Tetra Tech Project No. 100-PEN-T31263

Supplemental Site Investigation Report
Former Rantec Microwave Systems, Inc. Site
24003 Ventura Boulevard
Calabasas, California 91302

Prepared for:

Calabasas Storage, LLC
2870 Los Feliz Place, 2nd Floor
Los Angeles, CA 90039

Prepared by:

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107

September 2015

September 11, 2015

Ms. Jessica Pao
Water Resources Control Engineer
Site Cleanup Program, Unit IV
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, California 90013

Via: Uploading to GeoTracker

Re: **Response to the RWQCB Letter Dated June 29, 2015**
Review of Supplemental Site Investigation Report Pursuant to California Water Code Section 1326 Order R4-2015-0043

Site: **Former Rantec Microwave Systems, Inc. Facility, 24003 Ventura Blvd., Calabasas, CA 91302 (ACP No. 1298, Site ID No. 2040433)**

Subject: **Supplemental Site Investigation Report, Former Rantec Microwave Systems, Inc. Facility, 24003 Ventura Blvd., Calabasas, CA**

Dear Ms. Pao:

I am submitting this Supplemental Site Investigation (SSI) Report regarding the former Rantec Microwave Systems, Inc. site located at 24003 Ventura Boulevard in Calabasas, California (the Site), in response to the letter received from the Los Angeles Regional Water Quality Control Board (Regional Board) dated June 29, 2015.

The SSI was completed in accordance with the SSI Workplan, which was approved by the Regional Board on March 14, 2014. The investigation was conducted based on the SSI Workplan between May 19 and June 14, 2014. A SSI Report was submitted to the Regional Board on June 2nd 2015 via GeoTracker. The SSI report included a workplan to further address the perceived data gaps. The Regional Board approved the additional workplan for data gaps on June 29, 2015. The additional data gap investigation was performed at the Site in May and June, 2015. During the additional site investigations, one additional groundwater monitoring well and 4 nested vapor probes were installed and sampled.

As you requested by the Regional Board, attached is the SSI Report including the results of the additional work performed in May and June 2015, for your review. This SSI

Tetra Tech, Inc.
3475 E. Foothill Boulevard, Pasadena, CA 91107-6024
Tel 626.470.2462 Fax 626.470.2662 www.tetratech.com

Report supersedes the previous SSI Report submitted to the Regional Board on June 2nd, 2015, and covers all the data included in the previous Report.

Please contact me or Salar Niku of Tetra Tech (our consultant) if you have any questions or comments. I may be reached at 310-980-9025, and Mr. Niku may be reached at 626-470-2462 or "salar.niku@tetratech.com.

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

Sincerely,

Calabasas Storage, LLC.

By: Bruce H. Rothman, Authorized Signatory

cc: Salar Niku
Tetra Tech, Inc.
3475 E. Foothill Blvd.
Pasadena, CA 91107

DISCLAIMER

This Supplemental Site Investigation Report (Report) for soil, soil gas, and groundwater investigation is prepared for the sole use and benefit of Calabasas Storage, LLC (Client) and for the specific Site known as former Rantec Microwave Systems, Inc. Site located at 24003 Ventura Boulevard in unincorporated Calabasas, California. Neither this Report nor any of the information contained therein shall be used or relied upon for any purpose by any person or entity other than the Client.

This Report was prepared based partially on information supplied to Tetra Tech from outside sources and other information which is in the public domain, and partially on the information Tetra Tech obtained during the proposal approval process. Documentation for the statements made in the Report is on file at Tetra Tech's Pasadena, California, office. Tetra Tech makes no warranty as to the accuracy of statements made by others which are contained in this Report, nor are any other warranties or guarantees, expressed or implied, included or intended in the Report with respect to information supplied by outside sources or conclusions or recommendations substantially based on information supplied by outside sources. This Report has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Since the facts forming the basis for this Report are subject to professional interpretation, differing conclusions could be reached. Tetra Tech does not assume responsibility for the discovery and elimination of hazards, which could possibly cause accidents, injuries, or damage unless those hazards were apparent, and should have been discovered, as a result of the services Tetra Tech performed for the Client. This Report represents the best professional judgment of Tetra Tech; however, compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of the Client's obligations under local, state, or federal laws, or any modifications or changes to such laws.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

TABLE OF CONTENTS

SECTION **PAGE**

Disclaimer i
Table of Contents ii

1. INTRODUCTION 1-1
1.1 Background 1-1
1.2 Site Location and Structures 1-2
1.3 Site Past Use 1-2
1.4 Purpose and Scope of Investigation 1-3

2. SITE SETTING 2-1
2.1 Topography 2-1
2.2 Regional Geology and Hydrogeology 2-1
2.3 Site Geology and Hydrogeology 2-2

3. PREVIOUS ENVIRONMENTAL INVESTIGATIONS 3-1

4. FIELD INVESTIGATION 4-1
4.1 Overview 4-1
4.2 Sample Location Justification 4-1
4.3 Field Preparation and Utility Clearance 4-3
4.4 Drilling and Soil Sampling 4-4
4.5 Soil Gas Survey 4-6
4.6 Drilling, Sampling, and Monitoring Well Installation 4-8
4.7 Analytical Testing Program 4-10
4.8 Investigation-Derived Waste Handling 4-11
4.9 Decontamination Procedures 4-11
4.10 Quality Assurance /Quality Control 4-11

5. NATURE AND EXTENT OF CONTAMINATION 5-1
5.1 Local Hydrostratigraphic Conditions 5-2
5.2 Analytical Results 5-2
5.3 Screening Levels 5-3
5.4 Comparison of Chemical Concentrations to RSLs 5-4
5.4.1 Comparison of Soil Concentrations to Soil RSLs and Soil RSLs Protective of Groundwater 5-4
5.4.2 Comparison of Soil Gas Concentrations to Soil Gas RBSLs 5-5
5.4.3 Comparison of Groundwater Concentrations and Tapwater RSLs and MCLs 5-6

6. SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS 6-1
6.1 Summary 6-1

TABLE OF CONTENTS (Continued)

6.2 Findings……..... 6-2
6.3 Data Gaps Evaluations and Conclusions 6-5
6.4 Recommendations..... 6-6

7. REFERENCES 7-1

LIST OF TABLES

Table 4-1 Summary of Samples Collected and Analyzed – Soil, Soil Gas, and Groundwater Samples
Table 4-2 Purgeables (EPA Method 8260B), in ug/kg
Table 4-3 Semi-Purgeables (EPA Method 8270C), in mg/kg
Table 4-4 Metal (EPA Method 6010/7000CAM), in mg/kg
Table 4-5 Chromium VI analysis (method 7199), in mg/kg
Table 4-6 Total Petroleum Hydrocarbons, in mg/kg
Table 4-7 Purgeables (EPA Method 8260B), in ug/L (soil gas)
Table 4-8 Purgeables (EPA Method 8260B), in ug/L (groundwater)
Table 4-9 Semi-Purgeables (EPA Method 8270C), in ug/L
Table 4-10 Metal (EPA Method 6010/7000CAM), in mg/L
Table 4-11 Chromium VI analysis (method 7199), in ug/L
Table 4-12 Total Petroleum Hydrocarbons, in mg/L
Table 5-1 Summary of Residential and Industrial Screening Levels
Table 5-2 Soil Sample Exceedances of Soil RSLs Protective of GW
Table 5-3 Comparison of Background Metals Concentrations to Site
Table 5-4A Soil Gas Sample Exceedances of Residential Soil Gas RBSLs
Table 5-4B Soil Gas Sample Exceedances of Industrial Soil Gas RBSLs
Table 5-5 Groundwater Sample Exceedances of MCL's or Tapwater RSLs

LIST OF FIGURES

Figure 1-1 Site Location
Figure 1-2 Aerial Map with Sample Locations
Figure 1-3 Site Plan & Current Structures
Figure 4-1 Sample Locations
Figure 5-1 Potentiometric Surface Map, June 17, 2014
Figure 5-2 Potentiometric Surface Map, June 4, 2015
Figure 5-3 Soil Sample Exceedances (May 2014 & May 2015)
Figure 5-4 Soil Gas Sample Exceedances for Industrial Land Use (June 3, 2015)

LIST OF APPENDICES

Appendix A Boring Logs and Boring Log Legend
Appendix B Monitoring Well Construction Diagrams
Appendix C Analytical Results
Appendix D Vapor Intrusion Analysis

1.1 BACKGROUND

Tetra Tech, Inc. was authorized by Calabasas Storage, LLC (Calabasas Storage) to conduct a Supplemental Site Investigation (SSI) of the former Rantec Microwave Systems, Inc. (Rantec) site located at 24003 Ventura Boulevard in Calabasas, California (the Site). The general location of the Site is shown on Figure 1-1.

In 2012, Rantec filed a Closure Application No. 736960 with the County of Los Angeles Department of Public Works (LACDPW). The LACDPW referred the regulatory oversight of this Site to the Los Angeles Regional Water Quality Control Board (LARWQCB or Regional Board) on June 3, 2013; based on an assumption that groundwater might be contaminated.

Tetra Tech reviewed the following environmental documents available for the Site:

1) Phase I ESA performed for ESCO Electronics Corporation (ESCO) by Kleinfelder, Inc., dated February 23, 2000 [Kleinfelder, 2000a];

2) Phase II ESA performed for ESCO by Kleinfelder, dated April 26, 2000 [Kleinfelder, 2000b];

3) Phase I ESA performed for Gershuni and Golstein, LLP by Kleinfelder West, Inc., dated August 31, 2007 [Kleinfelder West, 2007]; and

4) Industrial wastewater pretreatment facilities closure sampling event performed for the Industrial Waste Unit, Environmental Programs Division of the County of Los Angeles Department of Public Works by Partner Engineering and Science, Inc. (Partner ESI), dated May 21, 2013 [Partner ESI, 2013].

On November 11, 2013, Tetra Tech, and representatives from Calabasas Storage made a site walk with a representative from the Regional Board (Ms. Heather Hatlestad) to further evaluate the Site environmental conditions. The Regional Board representative requested Calabasas Storage, as the current owner of the Site, to conduct additional soil, soil gas, and groundwater investigation at the Site to determine if any of the recognized environmental conditions (RECs) and potential environmental concerns (PECs) exists.

On behalf of Calabasas Storage, Tetra Tech prepared a SSI Workplan and submitted to the Regional Board for review and approval on January 20, 2014 [Tetra Tech, 2014]. The Regional Board approved the Workplan on March 14, 2014 [LARWQCB, 2014]. The workplan was prepared to address the request of Regional Board to evaluate the current environmental condition of the Site in accessible areas.

The investigation was conducted based on the approved SSI Workplan between May 19, 2014 and June 14, 2014. Based on the request from the Regional Board, a SSI Report was submitted to the Regional Board on June 2nd 2015 via Geotracker. The SSI report included a workplan to

further address the perceived data gaps. The Regional Board approved the additional workplan for data gaps on June 29, 2015. The additional data gap investigation was performed at the Site in May and June 2015. Soil samples were collected for VOCs and metals. All soil gas probes were sampled for VOCs in June 2015. In addition, a round of groundwater samples from all six wells was conducted in June 2015. The latest soil gas and groundwater sampling results are discussed in this Report.

This SSI Report supersedes the previous SSI Report submitted to the Regional Board on June 2nd, 2015 and covers all the data included in the previous Report.

1.2 SITE LOCATION AND STRUCTURES

The Site is located on the northwestern corner of Ventura Boulevard and Old Scandia Lane in unincorporated Calabasas, California in an area of commercial and light industrial land uses. The street address is 24003 Ventura Boulevard, Calabasas, California. The Site occupies a portion of Los Angeles County Assessor's Parcel Number (APN) 2049-021-033, which totals approximately 5.67 acres.

There are three buildings (and three ancillary structures) on the Site with a total area of 128,000 square feet. These buildings are delineated on an aerial photograph (Figure 1-2) and a site plan (Figure 1-3). One of the buildings, with a total area of 34,200 square feet, was occupied by Rantec or its predecessor, Rantec Microwave and Electronics, Inc. from the 1960s to 2012. The southernmost Building has 14,755 square feet and is occupied by multiple office tenants. The third building is a multi-story self-storage building. Rantec vacated its building as well as the ancillary structures in December 2012. All former Rantec equipment apparently has been removed except for residuals from the microwave systems test area ancillary structure in the northwest corner of the Site.

The Rantec building has been recently remodeled into a modern self-storage building by Calabasas Storage, LLC. This building is currently in use.

The current land use for the Site is mainly commercial land use, within a surrounding residential area. The future land use for the Site is expected to remain the same.

1.3 SITE PAST USE

The Site was occupied by Rantec or its predecessor from 1960 to 2012, at which time the facility was decommissioned. Details of site ownership are provided in Partner ESI [2013]. The past on-site operations included the manufacturing of microwave communications antennae systems ranging from guidance systems to radar systems.

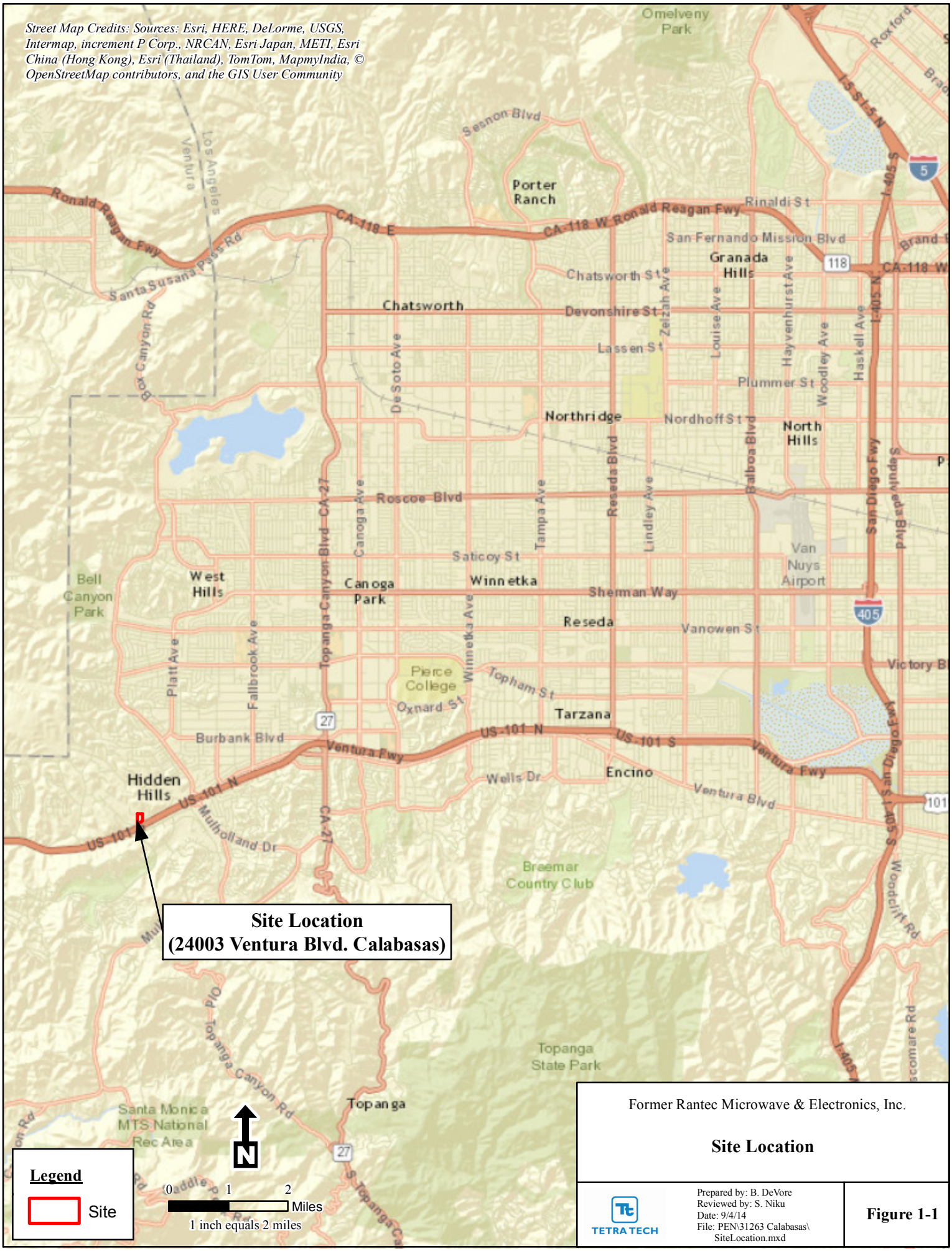
During Rantec's occupancy, the Site had an industrial wastewater pretreatment system that was located along the west-central portion of the Rantec Building (L-shaped Building 9). This pretreatment system processed wastewater generated during manufacturing activities prior to discharge to the sanitary sewer. It consisted of three steel aboveground storage tanks (ASTs)

within an exterior concrete secondary containment, a steel aboveground collection tank for collecting wastewater after treatment through the ASTs, and a 3-stage concrete below-grade clarifier with a sampling box. The three ASTs were removed during Rantec's decommissioning activities, and the discharge pipes to the clarifier were cut off and plugged. The collection tank (measuring approximately 3.3 feet by 2.3 feet by 2 feet tall) and the clarifier (measuring approximately 9 feet long by 4 feet wide and 6.5 feet deep) remain in place. These features are shown on Figure 3 of the Partner ESI [2013] report.

The previous environmental assessments reports by Kleinfelder's Phase I ESA and Phase II ESA, Kleinfelder West's Phase I ESA, and Partner ESI's industrial waste pretreatment facilities closure sampling have identified several recognized environmental conditions (RECs) but no potential environmental concerns (PECs) on the Site that warrant further site investigation.

1.4 PURPOSE AND SCOPE OF INVESTIGATION

The purpose of the SSI was to identify the nature and extent of potential contamination, if any, underneath the Site. Each area of concern identified in the previous investigations as detailed in Section 3 was investigated to the extent practicable in this SSI.



Former Rantec Microwave & Electronics, Inc.

Site Location

TETRA TECH

Prepared by: B. DeVore
Reviewed by: S. Niku
Date: 9/4/14
File: PEN\31263 Calabasas\SiteLocation.mxd

Figure 1-1

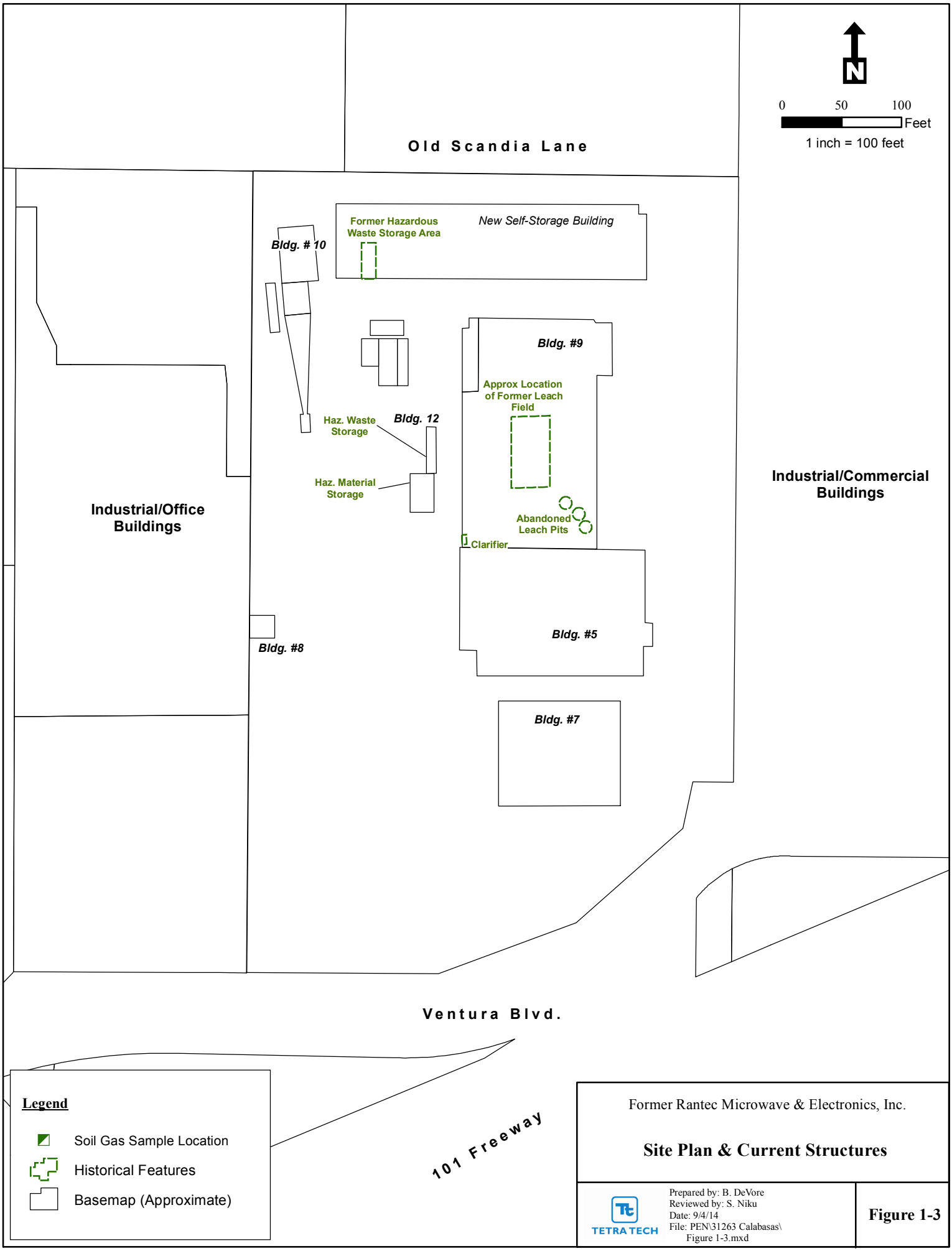
Former Rantec Microwave Systems, Inc.

Aerial Map with Sample Locations

TETRA TECH

Prepared by: B. DeVore
Reviewed by: K. Summers
Date: 9/1/15
File: PEN\31263 Calabasas\
Figure 1-2 Sample Locations.mxd

Figure 1-2



Former Rantec Microwave & Electronics, Inc.

Site Plan & Current Structures

TETRA TECH

Prepared by: B. DeVore
Reviewed by: S. Niku
Date: 9/4/14
File: PEN\31263 Calabasas\
Figure 1-3.mxd

Figure 1-3

2.1 TOPOGRAPHY

Based on a review of the United States Geological Survey (USGS) Calabasas, California Quadrangle 7.5-minute series (topographic) map, prepared in 1952 and photo-revised in 1967 [USGS, 1952; 1967], the Site is located at an approximate elevation of 950 feet above mean sea level (msl) and is relatively flat. The Site is in a shallow depression that is approximately 15 to 20 feet lower than Ventura Boulevard to the south. The local topography slopes to the northeast, generally towards the Arroyo Calabasas which is a tributary of the Los Angeles River.

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

Regional Geology

The Site is located in the western foothills of the Santa Monica Mountains which comprise the western block of the Transverse Ranges geomorphic province. The Los Angeles Basin borders the Transverse Ranges to the south and separates this province from the Peninsular Ranges geomorphic province on the south. According to Norris and Webb [1990], the Transverse Ranges province is characterized by approximately east-west trending, compressional (convergent) deformational structural features which contrast with the predominantly northwest-southwest trending structural features of the Peninsular Ranges and other geomorphic provinces in California. The Santa Monica Mountains extend 120 miles from Elysian Park in Los Angeles to San Miguel Island and have a granitic and metamorphic basement similar to the Sierra Nevada Mountains. The oldest rock type present in the Santa Monica Mountains, the Santa Monica Shale, is present in the central region which is near the Site. Norris and Webb [1990] note that Paleocene shale's and limestones are exposed in the mountain peaks proximal to the Site.

Partner ESI [2013] reports that surficial soils in the general area of the Site have been mapped on a 7.5-minute quadrangle geologic map prepared in 1992 by T.W. Dibbley [Dibbley, 1992] as Quaternary-aged alluvium that are comprised primarily of unconsolidated sands, silts, and gravels that were eroded from the surrounding upland areas. The surrounding hillsides are mapped by the USGS on a 30-minute x 60-minute quadrangle geologic map of the Los Angeles area as part of the Modelo formation [USGS, 2005]. The Modelo formation has been described as consisting predominantly of thin-bedded mudstone, siltstone, or diatomaceous clay shale which contains inter-beds of very fine-graded to coarse-graded sandstone.

Regional Hydrogeology

The Site is located within the southwestern portion of the San Fernando Groundwater Basin. According to the Upper Los Angeles River Area (ULARA) Watermaster report for the 2011-2012 Water Year (October 1, 2011 to September 30, 2012) published in 2013 [ULARA Watermaster, 2013], the Basin generally is bounded to the east and northeast by the San Rafael Hills, the Verdugo Mountains, and the San Gabriel Mountains; to the south by the Santa Monica Mountains; to the west and northwest by the Santa Susana Mountains and Simi Hills; and to the north by the San Gabriel Mountains and the eroded south limb of the Little Tujunga Syncline. This structural feature separates the Basin from the Sylmar Groundwater Basin to the north.

Based on information on groundwater usage in Kleinfelder West [2007], groundwater wells in the area have not been used as a potable water supply for over 20 years [now, 27 years] according to Mr. Kirk Allen from the Los Angeles County Department of Public Works. The closest groundwater well to the Site, as listed on the Los Angeles County Department of Public Works [2007] Groundwater Well map site (http://dwp2.co.la.ca.us/website/wells/viewer.asp) is Well number 3575D, which is located 1.4 miles to the southeast (hydraulically upgradient) of the Site.

According to Mr. Allen, the Los Virgenes Municipal Water District (LVMWD) supplies potable water to the area. According to the LVMWD website, the LVMWD imports all potable water from through the Metropolitan Water District of Southern California, since "the local water supplies are scarce and of poor quality" [LVMWD website, 2014]. In its most recent annual report, the LVMWD states that "LVMWD's service area has no local source of drinking water; all supplies must be imported from Northern California through Metropolitan Water District of Southern California …" [From Bridging Our Water Service Full Circle, LVMWD, 2013 Annual Report].

The LVMWD has a back-up water supply reservoir, Las Virgenes Reservoir, with a total capacity of 9,500 acre-feet that is filled with MWD potable water. The reservoir serves as a 3-month back-up supply of potable water during scheduled maintenance, or after earthquakes or as an additional source during droughts. The LVMWD also uses the Tapia wastewater treatment plant to treat wastewater to make recycled water suitable for irrigation. About 20% of the total used per year (or 5,707 acre-feet) is recycled water. Potable water used in 2012-2013 was 22,264 acre-feet [LVMWD, 2013 Annual Report].

2.3 SITE GEOLOGY AND HYDROGEOLOGY

Prior to implementation of the SSI Workplan, the total depth of exploration to date had been 21 feet below ground surface (bgs) in a Geoprobe® direct push boring advanced by Kleinfelder in April 2000 during a Phase II ESA at the Site. Boring GP-3 was logged as brown fine- to coarse-grained silty sand to 2 feet (beneath a 4-inch concrete slab), underlain by stiff to very stiff olive brown silts with one thin silty clay from 6 to 8 feet bgs. Groundwater was not encountered. Boring GP-3 was drilled near the center of the former leach field in the middle of the L-shaped building. Soils in the other four borings generally consisted of brown to olive brown silt, silt with clay, and silty clay. Partner ESI [2013] reported similar soils in seven Geoprobe® direct push borings consisting of brown or red brown, dry to moist, very stiff clayey silt to at least 9 feet bgs. The total depth of exploration was 9 feet bgs and groundwater was not encountered.

Partner ESI reviewed the State Water Resources Control Board (SWRCB) GeoTracker™ website for T0603705363. Partner ESI notes that groundwater conditions at a nearby closed Leaking Underground Storage Tank (LUST) site (specifically, the Exxon Station #7-2893 at 24025 Calabasas Road, located approximately 0.15 mile to the south-southwest of the Site) suggests that depths to groundwater at the LUST site ranged from 10.73 to 19.54 feet below top of casing. The direction of groundwater flow was to the northeast, toward the Site. The most recent data were for January 14, 2009 and the LUST case file has been closed.

Projecting groundwater flow from the former Exxon station site toward the Site, assuming that the water table aquifer between the sites is continuous, and taking into account the difference in elevation between the Site and the former Exxon station (the Site is approximately 10 to 15 feet lower in elevation), groundwater at the Site was expected to be encountered at a depth of 25 to 30 feet bgs.

During the SSI, the groundwater at the Site was found to be under confined conditions at depths of first encounter ranging from 9 to 27 feet bgs based on both the 2014 and 2015 data.

3. PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Several Phase I and Phase II environmental site investigations have been conducted at the Site between 1990 and 2013. An overview of these investigations is provided below. The locations of the key features are shown on Figure 1-3 in Section 1. The previous subsurface investigations assessed soil conditions only.

Tenera Investigation, September 1990

Kleinfelder [2000a] reportedly reviewed a previous environmental investigation report prepared by Tenera, titled "3.23 Rantec Division, 24003 Ventura Boulevard, Calabasas, California", dated September 1990. Tenera [1990] identified four areas of concern: 1) former onsite septic systems; 2) releases of used oil and/or spent solvents in the former hazardous waste drum storage area in the northwestern portion of the Site, near Building 10; 3) wastewater discharge violations from the clarifier; and 4) possible presence of asbestos-containing materials in Site buildings. Tenera [1990] suggested soil sampling near the former onsite septic system, but no soil sampling was conducted.

Note: All the areas of concern listed above were targeted for further investigation during the SSI.

Kleinfelder Phase I ESA, February 2000 [Kleinfelder 2000a]

In the Phase I ESA, Kleinfelder observed 7 buildings and 8 roll-off storage containers at the Site. Historical waste discharge practices at the Site included:

1) 1960-1967 discharge of industrial waste from plating and dip brazing to a 10-ft x 15-ft pit (cesspool, location unknown) connected to an approximately 35-ft x 90-ft leach field located beneath the central portion of Building 9;

2) three abandoned leach pits, indicated as circular features with a diameter of 5 to 7 feet on a 1966 site plan;

3) clarifier located just northwest of the northwest corner of Building 5 and west of the southwest corner of Building 9 (the northern two-thirds of the L-shaped building);

4) hazardous materials/waste storage on an unpaved area adjacent to Building 10 (now covered by a 2-story self-storage building;

5) hazardous materials storage in Building 12, which has an epoxy-covered floor;

6) additional hazardous materials storage in a fenced-in, covered area attached to the north-end of Building 12; and

7) apparent petroleum staining beneath a lapping machine near a small spray booth in Building 9 (located near the clarifier, but inside the building).

From the above areas of concern, Kleinfelder identified three recognized environmental conditions (RECs) warranting further site assessment:

1) former waste discharge to the cesspool and abandoned leach pits and leach field;

2) former hazardous waste storage area adjacent to Building 10, where uncovered drums of tramp oil (a lubrication oil) and water-soluble cutting fluids were stored in uncovered drums which reportedly would overflow during rain storms; and

3) staining beneath the lapping machine in Building 9.

Note: All the areas of concern listed above were targeted for further investigation during the SSI.

Kleinfelder Phase II ESA, April 2000 [Kleinfelder 2000b]

Kleinfelder performed a limited Phase II ESA at the Site in April 2000 to investigate the three RECs by drilling and sampling five direct-push soil borings in the suspect areas to a maximum depth of 21 feet bgs. Two soil samples from each boring were analyzed for total petroleum hydrocarbons (TPH) by carbon chain analysis; two samples from four of the soil borings (excluding the boring near the lapping machine) also were analyzed for volatile organic compounds (VOCs), California Assessment Manual (CAM) Title 22 metals, hexavalent chromium, and fluoride. Kleinfelder reported that TPH in the range of kerosene (carbon range C_8-C_{16}) and diesel (carbon range C_{10}-C_{22}) was detected only in the 1-foot sample at the lapping machine stained area; the reported concentrations were 2,740 and 2,720 milligrams per kilogram (mg/kg), respectively. The 5-foot sample contained non-detectable concentrations of TPH in the range of kerosene and diesel; the detection limit was 10 mg/kg. There were no elevated concentrations of Title 22 metals, and the only hexavalent chromium detections were 0.1 and 0.3 mg/kg in the 13-15 foot depth interval. VOC concentrations were not detected in any soil samples.

Note: During this investigation, the capillary fringe was not included, however, during the SSI the capillary fringe sampling was included in the areas of concern.

Kleinfelder West Phase I ESA, August 2007 [Kleinfelder West, 2007]

In August 2007, Kleinfelder West performed a follow-on Phase I ESA. In that report they described the metal brazing process used by Rantec in Building 9 in its manufacture of microwave communications system antennae's. Reportedly, Rantec brazed aluminum in a molten salt furnace and then rinsed pieces in a series of chemical baths in the processing room. The rinse basins were located within a concrete secondary containment structure, and the floor of the processing room was concrete covered by an epoxy. Chemicals used in the brazing and cleaning processes (such as nitric acid, caustic soda, lubricants, brazing salts, and solvents) were stored in drums and containers on metal grating above secondary containment structures on the interior sides of the bunker. Other chemicals such as aerosol paint, degreasers, lubricants, and similar products were stored on shelving in the bunker. The fenced-in and covered area north of Building 12 was used to store drums of lime sludge and empty drums.

Kleinfelder West identified the presence of two 3-stage clarifiers, one located outside and the other inside Building 9. However, only the exterior clarifier is visible today. They also identified the same three RECs as before, plus the potential for hazardous materials releases in and around the chemical storage bunker Building 12. They recommended:

1) soil and groundwater sampling in the area of Building 9 to assess the impact of former sumps, leach fields, leach pits, and hydrocarbon impacts from the lapping machine;

2) soil sampling in the area near Building 10, the test chamber, to assess releases from the tramp oil/cutting fluids drum storage area;

3) soil sampling in and around the Building 12, the chemical storage bunker; and

4) a file review of the Regional Board file on EXXON Station #7-2893 to assess status and extent of contamination and to evaluate potential impact of gasoline release on the Rantec Site.

Note: There is no record that the recommended investigations were performed. The SSI included investigation of the areas of concern listed above, except the area of lapping machine which is currently inaccessible (located inside the new self-storage building).

Partner ESI Industrial Waste Pretreatment Facilities Closure Investigation, May 2013 [Partner ESI, 2013]

Partner ESI conducted an industrial waste pretreatment facilities closure sampling event at the Site in May 2013 in and around the pretreatment system. The purpose was to provisionally investigate the potential impact of potential chemicals of concern to soil as a consequence of a release(s) from the former industrial wastewater pretreatment facility. Partner ESI advanced three hand auger and four direct-push soil borings to a maximum depth of 2.5 feet bgs (for 4-inch bucket hand auger borings) and 9 feet bgs for direct-push borings. Groundwater was not encountered.

The samples were analyzed for RCRA 8 metals (EPA 6010B/7471A), VOCs (EPA 8260B), semi-volatile organic compounds (SVOCs) (EPA 8270C), pH (EPA 9045), and cyanide (EPA 9010B). With the exception of trichloroethene (TCE) and tetrachloroethene (PCE), no VOCs were detected. TCE and PCE were detected in three Geoprobe® direct push soil borings advanced on the east side of the clarifier at depths of 2 to 9 feet bgs. TCE concentrations were minimal and ranged from 0.028 to 0.431 mg/kg, and PCE concentrations were also minimal and ranged from 0.0024 to 0.0426 mg/kg, with the maximum concentrations in the boring advanced at the south-end of the clarifier just northeast of the sump. No SVOCs and no cyanide were detected, and pH values ranged from 6.41 to 7.30 standard units. None of the metals except barium (at 1,340 mg/kg in the 9-foot sample near the south-end of the clarifier) had elevated concentrations.

Note: Partner ESI did not investigate the capillary fringe in their investigation. However, the SSI included capillary fringe sampling in the areas of concern.

4.1 OVERVIEW

The supplemental site investigation (SSI) field work in 2014 consisted of drilling 8 soil borings, 6 hand auger borings, and 5 well borings and subsurface soil sampling. Two of the soil borings were advanced and sampled using a Geoprobe® direct-push drill rig; the remainder of the soil borings and the 5 well borings were drilled using hollow-stem auger drill rig. Soil samples were also collected from 5 monitoring wells and 4 soil gas boring locations. A total of 5 groundwater monitoring wells were installed, developed, followed later by purging and groundwater sampling. A total of 4 dual-nested soil gas probes were installed. Soil gas samples were collected and then analyzed in a mobile laboratory.

The additional investigation conducted in May-June 2015 consisted of installing 4 additional soil gas borings and one groundwater monitoring well. The locations of the new soil gas samples and monitoring well are shown on Figure 4-1. Soil samples were also collected from the new soil gas and groundwater borings. A total of 4 dual-nested soil gas probes were installed. The new groundwater monitoring well was installed, developed, and followed later by purging and groundwater sampling.

A round of 6 groundwater sampling (including 5 existing and one new well) were conducted on June 4, 2015. The existing and new soil gas probes were sampled on June 3, 2015.

Soil and groundwater samples were analyzed by a State-certified, fixed-base analytical testing laboratory, the American Environmental Testing Laboratory (AETL) located in Burbank, California. Soil gas samples were also analyzed by a State-certified mobile analytical laboratory, H&P Mobile Geochemistry, Inc.

Borings and Sample Label Protocol

The following labeling protocol was used for borings and samples in this SSI. All borings and sample labels were identified starting with "Tt" to specify that the boring was installed and the sample was collected in this round of investigation by Tetra Tech. All soil borings were identified by "SB" (whether drilled with Geoprobe or hollow-stem auger drill rig) and those drilled using hand auger were identified by "HA". Soil gas borings were identified by "SG", and groundwater monitoring well borings was identified by "MW". Each boring name was followed by a dash and a number in sequence, representing a specific location of the boring. It should be noted that soil samples also were collected from soil gas (SG) and groundwater (MW) borings.

In each soil and soil gas boring, several samples were collected. Each sample within the boring was distinguished by a dash and the depth of the sample. For example, "TtSB-3-5" represents soil boring sample from boring number 3 at 5 feet depth, collected by Tetra Tech, or "TtSG-1-15" represents soil gas sample from boring number 1 at 15 feet depth, collected by Tetra Tech.

4.2 SAMPLE LOCATION JUSTIFICATION

The locations of the soil borings and groundwater and soil gas probes are shown on Figure 4-1. The list of samples collected and analyzed for chemicals of concern during SSI is included in

Table 4-1. The sampling locations were selected to be in and around all of the onsite RECs identified in the previous site investigations (as discussed in Section 3). Each of the following RECs has been addressed during the SSI.

1. **Former waste discharge to the cesspool and abandoned leach pits and leach field in Building #9**
   Boring TtSG-4 was originally (in the work plan) proposed inside Building 9 at the east entrance of loading dock to investigate soil and soil gas near former leach pits. However, because access to the building was limited and drill rig could not fit in the loading dock area, this boring was installed outside the loading dock as close as possible to the building.

   Boring TtHA-3 was installed inside Building 9 in a central aisle for soil sampling near the suspected location of the former leach field.

   Monitoring Well TtMW-4 was installed close to the former leach pits and Monitoring Well TtMW-3 was installed further downgradient of both former leach pits and former leach field areas for capillary fringe soil sampling and groundwater sampling.

2. **Former hazardous waste storage area adjacent to Building #10**
   Tramp oil (a lubrication oil) and water-soluble cutting fluids were stored in uncovered drums which reportedly would overflow during rain storms. Borings TtSB-4, TtSG-3, and TtMW-2 were drilled and sampled to investigate soil, soil gas, and groundwater in the vicinity of the former hazardous waste storage area (Building 10).

3. **Staining beneath the lapping machine in Building #9**
   This area is inaccessible (covered by self-storage units inside the building) except to the west at the clarifier. Soil boring TtHA-4 was hand augered and sampled at the north-end of the clarifier as close as possible to the former lapping machine location. It should be noted that Kleinfelder also advanced boring GP-1 in this area and found that TPH impacts as kerosene and diesel extended to less than 4 feet bgs.

4. **Potential storage of hazardous materials in Building #12 (the chemical storage bunker)**
   Borings TtHA-1, TtSG-2, and TtMW-1 were advanced and sampled to investigate soil, soil gas, and groundwater inside and adjacent to the chemical storage bunker.

5. **Industrial wastewater pretreatment system (clarifier & sump) adjacent to west of Building #9**
   Borings TtHA-4 (mentioned above), TtSG-1, and TtMW-1 (mentioned above) were advanced and sampled to investigate soil, soil gas, and groundwater in the alleyway adjacent to the 3-stage clarifier and sump. It should be noted that Partner ESI advanced three direct-push borings to 9 feet bgs and detected PCE and TCE from depths of 2 to 4 feet bgs at the sump and at 9 feet bgs along the east side of the clarifier.

Several other areas of concern were identified for sampling during the SSI, including:

6. **<u>Building #10, the former test chamber</u>**
   Three borings TtSB-5, TtSB-6, and TtSB-7 were drilled and sampled to investigate soil conditions around building 10 (no access inside building 10).

7. **<u>Upper Range Utility Building #8</u>**
   Boring TtSB-8 was drilled in the driveway of Building 8 to investigate soil conditions outside the communications building.

8. **<u>Building #5, southern one-third of the L-shaped building (former pre-treatment AST area)</u>**
   Three borings TtSB-1, TtSB-2, and TtSB-3 were drilled to investigate soil conditions outside the new remodeled self-storage building to confirm the absence of soil impacts from past usage of this building. Two additional borings, TtHA-5 and TtHA-6, were hand augered and sampled to investigate soil conditions in the former pre-treatment system AST area.

   Boring TtSB-1, located at the bottom of a ramp, was cleared by hand auger to 5 feet below grade; groundwater was encountered at 4 feet below grade (or 17 feet below natural ground surface). The boring was not advanced deeper because the raised mast of the hollow-stem auger drill rig was too close to overhead high-voltage power lines.

The 2015 sampling locations were selected to be in and around the areas identified as data gaps in the SSI investigation. The location for the new groundwater monitoring Well TtMW-6 is approximately 105 feet downgradient (to the north-northeast) of Well TtMW-3 in the traveled way of Old Scandia Lane where it makes a 90 degree turn[1]. TtMW-6 was installed in the downgradient direction to determine whether VOCs were present.

Three nested soil gas probes (TtSG-5, TtSG-6, and TtSG-8) were installed at a depth of 5 feet to surround the only location (TtSG-2) where elevated TCE and PCE soil gas concentrations were found during the SSI. The fourth nested soil gas probe TtSG-7 was located adjacent to the north of Well TtMW-3. Soil gas samples could not be obtained from 15 feet depth since the soils were tight, except for TtSG-8. Groundwater samples collected from Well TtMW-3 in 2014 during the SSI contained the highest concentrations of TCE, PCE, and vinyl chloride. Therefore, an additional soil gas investigation was warranted to determine if potential exists for soil gas off gassing from the capillary fringe of the water table aquifer with possible vapor migration into the nearby New Self-storage Building. Both TtMW-3 and nearby soil gas probe are proximal to the only portion of the Building that is continually occupied (e.g., the office).

4.3 FIELD PREPARATION AND UTILITY CLEARANCE

<u>Underground Utility Clearance</u>

Each proposed boring location was clearly marked in advance with white paint. Underground Service Alert (USA) was notified in advance of the planned start of field work to conduct a utility clearance survey at the Site prior to commencement of intrusive field work.

[1] The actual downgradient property line is the northern and eastern edge of Old Scandia Lane; however, there is a line of electric power poles near the eastern edge. A 25-foot horizontal safety setback was used for the nearest approach of a drill rig's mast to the line of power poles.

GEO*Vision* Geophysical Services completed a geophysical survey to clear a 10-ft by 10-ft area centered on each boring location within the study area using a combination of the following instruments: GSSI SIR3000 ground penetrating radar system with 400 megaHertz (MHz) antenna, Metrotech 810 electromagnetic utility locator, Radio Detection RD-4000 electromagnetic utility locator with sewer sondes, and Fisher TW-6 deep search pipe locator/metal detector. The soil, soil gas, and monitoring well borings were placed at least three feet outside of marked utility lines.

The subsurface of western portion of the Site was surveyed during the geophysical clearance in an attempt to locate any potential former underground storage tanks; no anomalies (i.e., subsurface structures) were found.

Prior to each drilling, the first five feet of each boring was advanced using a hand auger to assure that there were no shallow non-metallic utilities present.

Well Installation Permit

Well installation permits for installing all six groundwater monitoring wells were secured from the Los Angeles County Department of Public Health, Environmental Health Division, Drinking Water Program.

4.4 DRILLING AND SOIL SAMPLING

A limited access Geoprobe® drilling rig equipped for direct push drilling was used to advance soil borings TtSB-2 and TtSB-3 to total depths of refusal of 20 and 16 feet bgs. Very stiff to hard silts were encountered from approximately 5 feet bgs in each boring. The remaining soil borings (TtSB-4 through TtSB-8 and TtSG-1 through TtSG-4) were drilled and sampled to approximately 21.5 feet bgs using a CME-85 hollow-stem auger drill rig after they were cleared to approximately 5 feet bgs using hand augers. Boring TtSB-1 was located on a ramp; it was completed as a 5-foot deep hand auger boring. Boring locations are shown on Figure 4-1. Soil sampling depths for analytical testing are listed in Table 4-1. The soil analytical results are discussed in Section 4.7.

Geoprobe® Drilling and Soil Sampling

The drilling method involved advancement of small-diameter (2.25-inch) steel drive casing and retrieval of continuous core inside a clear acetate tube. Soil samples were collected for analytical testing, including one within the capillary fringe, which is expected to be at approximately 15 to 20 feet bgs. The continuous core from each Geoprobe® boring were logged by a California-registered Professional Geologist (PG) according to the Unified Soil Classification System (USCS), using the visual-manual procedures prescribed by American Society for Testing & Materials (ASTM) Standard D 2488-06, Standard Practice for Description and Identification of soils (Visual-Manual Procedure). Core samples for analytical testing were cut out of the acetate sleeves, covered with Teflon pads, capped with plastic end caps, uniquely labeled, entered on a chain-of-custody form, and packed in ice in a cooler pending delivery to the analytical testing laboratory.

Hollow-stem Auger Drilling and Soil Sampling

The remaining soil borings (TtSB-3 through TtSB-8) and soil gas borings (TtSG-1 through TtSG-4) were drilled using a CME-85 hollow-stem auger (HSA) drill rig equipped with 8.25-inch outside diameter, continuous flight HSAs. Each soil and soil gas boring was typically advanced with sampling at 5-foot depth intervals from 5 feet bgs to approximately a total depth of 40 to 55 feet bgs (approximately 10 feet into the water table). Soil samples were used for lithologic logging and/or analytical testing. Soil samples were retrieved at 5-foot depth intervals using a split-barrel sampler equipped with stainless steel or brass sample sleeves. Soil from one of the sample sleeves was placed in a zip-lock bag, disaggregated, exposed to sunlight for at least 10 minutes, and then field screened for volatile organic vapors using a photoionization detector. A California PG logged the borings for lithologic purposes according to the USCS, using the visual-manual procedures prescribed by ASTM Standard D 2488-06. The drill cuttings were containerized temporarily onsite in 10-cubic yard roll-off bins. Upon retrieval, the ends of the lowermost sample ring of each analytical testing sample were covered with Teflon pads, capped with plastic end caps, uniquely labeled, entered on a chain-of-custody form, and packed in ice in a cooler pending delivery to the analytical testing laboratory.

Following soil sampling, four of the borings (TtSG borings) were completed as dual-nested vapor probes (TtSG-1 through TtSG-4; Figure 4-1) with probe tips set at one at 5 feet bgs and the second near the capillary fringe at approximately 12.5 to 15 feet bgs. The soil gas borings were completed at the surface in traffic-rated boxes in concrete or black-dyed concrete pads to match or blend with the existing/surrounding pavement.

Hand Augering and Sampling

Seven borings were advanced using a hand auger due to their inaccessibility for drill rigs. The boring locations are shown on Figure 4-1. The hand auger borings included:

1) TtHA-1 in the middle of Building #12 (the former hazardous material storage building);

2) TtHA-2 inside the fenced-in former drum storage compound located adjacent to Building #12 to the north);

3) TtHA-3 along the central north-south aisle of the self-storage building in the L-shaped building (Building #9) proximal to the former leach field;

4) TtHA-4 at the northeast-end of the clarifier along the exterior wall;

5) TtHA-5 and TtHA-6 at the former industrial wastewater pre-treatment system AST area; and

6) TtSB-1 at the bottom of a ramp south of Building #5 which could not be drilled with a hollow-stem auger drill rig because the raised mast was too close to high voltage power lines.

The concrete floor slabs were cored prior to advancing the hand auger borings. Each hand auger boring was advanced to the capillary fringe or to hand auger refusal (if shallower). Soil samples were collected using 2-inch diameter by 6-inch long stainless steel or brass rings fitted to a slide

hammer-operated sample driver. Upon retrieval, the ends of the lowermost sample ring were covered with Teflon pads, capped with plastic end caps, uniquely labeled, entered on a chain-of-custody form, and packed in ice in a cooler pending delivery to the analytical testing laboratory. The cuttings were used by the California PG to log the hand auger borings using the USCS as described above in accordance with ASTM Standard D 2488-06. Sampling depths are listed in Table 4-1.

Soil boring logs are included in Appendix A.

Borehole Abandonment

Those borings that were not completed as soil gas probes were properly abandoned after sampling, using 3-5% by weight hydrated bentonite/cement slurry and capped properly with concrete or black-dyed concrete to match or blend with the existing site conditions.

4.5 SOIL GAS SURVEY

The soil gas survey was conducted in accordance with the 2012 Advisory Active Soil Gas Investigation document prepared by California Environmental Protection Agency [Cal EPA, 2012].

Following the soil sampling, four soil borings (TtSG-1 through TtSG-4; Figure 4-1) were completed as dual-nested vapor probes. The probe tips were set at 5 feet and at approximately 12.5 to 15 feet bgs (close to the capillary fringe). Permanent soil gas probes and Nylaflow™ tubing were used with the probes completed within traffic-rated boxes mounted flush with the surface to match or blend with existing/surrounding pavement. Probe construction details are shown on the soil boring logs in Appendix A.

Four additional soil gas probes were installed and sampled at a depth of 5 feet in June 2015, as shown in Table 4-1. Two soil gas samples were installed in TtSG-8 at depths of 5 feet and 15 feet.

Soil Gas Probe Installation

The soil gas probes were installed through the hollow-stem augers as they were withdrawn. Before placing the soil gas probe, the borehole was backfilled with hydrated bentonite chips to 1.5 feet below the target depth for the probe tip. A 1-foot thick layer of dry #8 granular bentonite was placed next. A 6-inch stainless steel soil gas probe tip connected to 1/4-inch diameter Nylaflow™ tubing was lowered to just above the top of the #8 bentonite layer through the inside of the hollow-stem auger and backfilled (gravity fed) with approximately 1.5 feet of Monterey silica sand filter pack. The top was capped with 1 foot of #8 granular bentonite and then backfilled to 6.5 feet bgs, after which another 1-foot thick layer of dry #8 granular bentonite was placed. The probe tip was set at 5 feet bgs and backfilled with #3 Monterey sand (1.5 feet) and 1 foot of dry #8 granular bentonite. The annular space was backfilled to near the surface with hydrated bentonite chips. The hollow-stem augers were pulled up slowly while the probes were set to ensure that there was no caving. At the surface, the end of the probe tube was sealed with a Swagelok™ 3-way valve. The probe was completed at the surface inside a 5-inch diameter traffic-rated well box with a concrete or black-dyed concrete skirt to match or blend

with the existing/surrounding pavement. The probes were allowed to equilibrate/stabilize at least 2 working days before sampling.

A soil gas probe construction diagram that accurately depicts the depths of the probe tip, Nylaflow™ tubing, filter packs, bentonite seal, bentonite/cement grout seal, and wellhead completion was logged in the field.

Tracer Gas Testing

A tracer gas consisting of Isopropanol or one of the tracer compounds listed in the 2012 advisory document [Cal EPA, 2012] was used to detect potential ambient air intrusion into soil gas samples during soil gas sampling at each probe. A cloth saturated with the tracer compound was placed at the ground surface collar of the gas probes and near the sampling assembly during purging and sampling, and the samples were analyzed for the tracer compound.

Purge Volume Testing

A purge volume test was conducted on TtSG-1 on the first day of soil gas sampling at the first sampling location. Soil gas samples were collected following one, three, and ten system-volume purges. The resulting analytical data were examined by the project geologist and the purge volume for the remaining locations was selected based on the sample containing the highest concentrations of target analytes. Ten purge volume (10 PV) was selected for soil gas sampling because the concentrations of contaminants were highest in the 10 PV soil gas sample.

Soil Gas Sampling

Soil gas was withdrawn from the end of the inert tubing that runs from the sampling tip to the surface using a 60 milliliter (ml) syringe connected to the tubing via a 3-way Swagelok™ valve. The probe tip and sampling tubing were purged based on the optimum purge volume as described above. A sample of in-situ soil gas was withdrawn and immediately transferred to the mobile lab for analysis. Each soil gas sample was analyzed within 30 minutes from the time of collection. The use of small calibrated syringes allowed for careful monitoring of purge and sample volumes. This procedure ensured that an adequate sample flow was obtained without excessive pumping of air or introduction of surface air into the samples.

Purging and sampling was timed so that the flow rate did not exceed 200 milliliters per minute (ml/min). This was accomplished by withdrawing the plunger on the syringe at a constant rate for 20 seconds. The sample collector noted the collection time and the volume of sample collected on a log sheet, and also recorded any resistance to sample flow which could be felt on the syringe during collection.

No soil gas samples could be collected from the 12.5-foot to 15-foot probes because of the hydraulic tightness of the sandy silts. Only in TtSG-8 soil gas samples could be collected at a depth of 15 feet. The withdrawal of less than 100 cubic centimeters resulted in induced vacuums of 15 inches of mercury; the vacuum did not decrease for more than 5 minutes.

One duplicate soil gas sample was collected on the sampling date and analyzed for quality assurance and quality control (QA/QC) purposes in the same manner as described above.

Onsite Soil Gas Analytical Testing

All soil gas samples, including the duplicate QA/QC samples, were analyzed onsite by a California certified mobile laboratory for volatile organic compounds (VOCs) using EPA Method 8260B.

4.6 DRILLING, SAMPLING, AND MONITORING WELL INSTALLATION

Six shallow groundwater monitoring wells (TtMW-1 through TtMW-6) with 20-foot well screens were installed at the Site at the locations shown on Figure 4-1.

- Well TtMW-1 was installed in the alley between Building #12 and the L-shaped building (Building #9) to assess groundwater conditions proximal to the clarifier and to the hazardous material storage area.

- Well TtMW-2 was installed close to the former hazardous waste storage area opposite of Building #10 that is now covered by a new self-storage building.

- Well TtMW-3 was installed in a driveway northeast of the L-shaped building (Building #9) and downgradient of the clarifier, the former leach field, and the former hazardous material storage areas.

- Well TtMW-4 was installed close to the approximate locations of the three abandoned leach pits now covered by the northern two-thirds of the L-shaped building (Building #9).

- Well TtMW-5 was installed in the parking area at the south-end of the Site to serve as an upgradient monitoring well.

- Well TtMW-6 was installed approximately 105 feet downgradient (to the north-northeast) of Well TtMW-3 in the traveled way of Old Scandia Lane where it makes a 90 degree turn. Well TtMW-6 was installed in the downgradient direction to determine whether VOCs were present.

Drilling and Soil Sampling of Monitoring Wells

The well borings were drilled using a CME-85 hollow-stem auger (HSA) drill rig equipped with 10.25-inch outside diameter, continuous flight HSAs. Each well boring was advanced to depths of 40 to 55 feet bgs with sampling at 5-foot depth intervals from 5 feet bgs to approximately 10 feet into the water table. The samples were used for lithologic logging and/or analytical testing. Soil samples were retrieved at 5-foot depth intervals using a split-barrel sampler equipped with stainless steel or brass sample sleeves. A California PG logged the well borings for lithologic purposes according to the USCS, using the visual-manual procedures prescribed by ASTM Standard D 2488-06. The drill cuttings were containerized temporarily onsite in a 10-cubic yard roll-off bin. Soil samples collected for analytical testing are listed in Table 4-1.

Well Installation Procedures

The design and installation of the wells was completed in accordance with: 1) California Department of Water Resources (DWR) California Well Standards, Combined Bulletins 74-81 and 74-90 (Supplement to Bulletin 74-81); and 2) California Environmental Protection Agency "Guidance Manual for Ground Water Investigations", dated July 1995 [Cal-EPA, 1995]. The

well screen depths (typically 15-35 feet bgs) were selected based on review of bedrock surface maps and boring logs for nearby wells that Tetra Tech and other consultants had prepared.

Each well boring was completed using 4-inch nominal diameter, Schedule 40 polyvinyl chloride (PVC) blank casing and 0.020-inch, mill cut slotted screen. The screened intervals of shallow wells were 20 feet. The filter pack surrounding the well screen was constructed with #3 Monterey silica sand from total depth to approximately 2 feet above the slotted screen. The wells were surged to seat the filter pack and additional sand added as required. A 3-foot thick hydrated bentonite pellet seal was placed above the sand pack. The bentonite was allowed to hydrate for one hour before the remaining annular space was backfilled with cement-bentonite (3% by weight) grout.

Each well was grouted through the augers. Grout was placed to approximately 3 feet below surface grade and allowed to set for one hour. The upper 3 feet was filled with ready mix concrete, and a 12-inch diameter, traffic-rated well box was placed flush with the surface. Each well box was slightly raised above the surrounding pavement so that rainwater runoff does not accumulate over the well box. Each monitoring well was fitted with an end cap. Cement-bentonite grout consisting of Type II Portland Cement with 3% (by weight) powdered bentonite (collectively termed "grout") was pumped into the annular space from the top of the hydrated bentonite well seal to near the surface. The grout was placed slowly in 10-foot lifts as the 5-foot auger flights were removed until the grout was three feet below surface grade.

A well construction diagram that accurately depicts the depths of the well screen, blank casing, filter pack, bentonite seal, bentonite/cement grout seal, and wellhead completion was logged in the field. The monitoring well construction diagrams are provided in Appendix B, Figures B-1 through B-6 for wells TtMW-1 through TtMW-6, respectively.

Wellhead Surveying

A California-licensed professional land surveyor (WM Surveys, Inc. of Ventura, CA) surveyed the horizontal (X-Y) and vertical (Z) coordinates of the wellhead vault cover and the measuring-point mark on the north side of the top of the well casing. The X and Y coordinates were surveyed to the nearest 0.01 foot using North American Datum 83 (NAD83), and the Z coordinate was surveyed to the nearest 0.01 foot from a nearby benchmark of known elevation.

Well Development

Each newly-installed well were developed by a Smeal 5T (or equivalent) well development rig using surging, bailing, and pumping. A combination of 3-gallon and 5-gallon steel bailers and low-volume pumping (1 to 2 gallons per minute) was used to extract well water; and a 3-inch surge block was used to surge each well. During well development, a hand-held water quality indicator (WQI) meter was used to monitor the WQI parameters pH, specific conductivity, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity. Well development continued at each well until all WQI parameters stabilized within 10% on three consecutive readings and the turbidity was less than 5 Nephelometric Turbidity Units (NTUs). Well development water was containerized in 250-gallon high-density polyethylene (HDPE) totes and/or in 55-gallon Department of Transportation approved 17-H steel drums with lockable lids.

Well Sampling

At least 48 hours following development, each newly-installed well was purged and sampled by low-flow purging and sampling techniques using a bladder pump with dedicated bladders and tubing. The bladder pump was set approximately 2 feet above the base of the well. Groundwater was extracted at a rate of approximately 200 ml/min while the same WQI parameters were monitored as were used for well development. Purging continued until the WQI parameters stabilized within 10% for three successive readings, measured 5 minutes apart. Groundwater samples were collected immediately after purging ended, at the same flow rate. Groundwater samples were prepared by filling laboratory-supplied glass and/or plastic bottles and glass 40-ml VOA vials. Groundwater samples collected for analytical testing are listed in Table 4-1. Purge water was stored onsite temporarily in a 250-gallon HDPE tote or in 55-gallon steel DOT drums, until analyzed and properly disposed offsite.

4.7 ANALYTICAL TESTING PROGRAM

Soil Samples

Depending on field conditions and depth to groundwater, 4 soil samples were collected for analytical testing from each well boring. Three soil samples were collected from each soil boring and 1 or 2 deepest samples from as close to the capillary fringe as possible, from each hand auger boring. Table 4-1 provides a summary of soil samples analyzed.

A total of 76 soil samples (including 5 field duplicates) and 8 equipment blank samples were collected in 2014 and 2015 investigations. The results of soil sample analyses are presented in Appendix C (only in electronic format) and summarized in Tables 4-2 through 4-6.

The soil analytical testing program included full-range total petroleum hydrocarbons (TPHs), volatile organic carbons (VOCs), and California Assessment Manual (CAM) Title 22 metals using appropriate U.S. Environmental Protection Agency (EPA) test methods. These included EPA 8015(M) for TPH (carbon chain, C_4-C_{44}) for gasoline-, diesel-, and oil-range hydrocarbons; EPA 8260B for VOCs; EPA 6010B/7471A for Title 22 metals; and hexavalent chromium by EPA 7199. In addition, select samples from soil borings were analyzed for semi-volatile organic compounds (SVOCs) by EPA 8270C.

Soil Gas Samples

A total of 19 soil gas samples (including 1 field duplicate) were collected during the 2014 and 2015 field investigations. Table 4-1 provides a summary of soil gas samples analyzed. The results of soil gas sample analyses are presented in Appendix C (only in electronic format) and summarized in Table 4-7.

Soil gas samples were analyzed onsite by a mobile analytical testing laboratory for VOCs by EPA 8260B.

Groundwater Samples

A total of 6 groundwater samples (including 1 field duplicate) and 1 equipment blank were collected in 2014 and 7 (including 1 field duplicate) samples in 2015. The results of groundwater sample analyses are presented in Appendix C (only in electronic format) and summarized in Tables 4-8 through 4-12.

The groundwater analytical testing program included full-range TPH (carbon chain C_4-C_{44}) by EPA 8015(M), VOCs by EPA 8260, SVOCs by EPA 8270 (only in 2014), Title 22 metals by EPA 6000/7000 CAM, and hexavalent chromium by EPA 7199.
All soil, groundwater, and waste characterization samples were sent to the American Environmental Testing Laboratory, Inc. (AETL)[2].

4.8 INVESTIGATION-DERIVED WASTE HANDLING

All investigation derived wastes (IDW) were managed and disposed of according to federal, state, and local regulations. DOT-approved 55-gallon drums, 250-gallon HDPE totes, or covered 10-cubic yard roll-offs that contained IDW wastes were left onsite temporarily while processing the profile samples and related disposal documentations. A composited soil sample was collected from the roll-off and a water sample was collected from the liquid waste tote for waste profiling. All IDW drums left onsite were properly labeled and locked. The IDW soil wastes were transported to Chiquita Canyon Landfill in Castaic, California under non-hazardous waste manifest for disposal as non-hazardous, non-regulated waste solids. The IDW liquid wastes were transported to Green Compass of Anaheim, California under non-hazardous waste manifest for treatment and disposal as non-hazardous, non-regulated liquids.

4.9 DECONTAMINATION PROCEDURES

All equipment that came into contact with potentially contaminated soil was decontaminated consistently to assure the quality of samples collected. Disposable equipment intended for one-time use was not decontaminated, but packaged for appropriate disposal. Decontamination occurred prior to and after each use of a piece of equipment. All down-hole drilling equipment was decontaminated between borings using high-pressure spray or steam cleaning, followed by brushing with a stiff wire brush to remove any visible soil. All sampling equipment and devices were decontaminated after each use using the following procedures:

1) Non-phosphate detergent and tap water wash, using a brush if necessary;
2) Tap water rinse;
3) Initial de-ionized/distilled water rinse; and
4) Final de-ionized/distilled water rinse.

Sampling equipment was decontaminated by methods consistent with the equipment's use. Nitrile or latex surgical gloves were worn during handling and assembly of the sampling apparatus.

4.10 QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Both field and laboratory QA/QC samples were collected to evaluate the performance of the field and analytical procedures. QA/QC samples were analyzed along with Site samples to evaluate field sampling and analytical accuracy and precision.

[2] The American Environmental Testing Laboratory, Inc. (AETL) is a laboratory accredited under the California Department of Health Environmental Laboratory Accreditation Program (ELAP) and/or the National Environmental Laboratory Accreditation Program (NELAP) for chemical analysis.

Field Quality Control Samples

Field quality control samples that were collected by field personnel included field duplicates, equipment blanks, and trip blanks.

Field Duplicates: Field duplicate samples were collected for soil, soil gas, and groundwater samples to calculate the precision of the field sampling and analytical procedures. The duplicate samples were co-located with site samples and were collected from the identical depth whenever possible to maximize sample similarity. For each matrix, one field duplicate was collected for every 20 site samples (5% of site samples). Each duplicate was analyzed for the same parameters as its corresponding site sample. Duplicate soil samples were obtained from immediately adjacent sleeves within the same sampler whenever possible. Duplicate soil gas samples were obtained simultaneously using a Y-connector and two sample syringes.

In general, there was good agreement between field samples and field duplicates for soil samples for VOCs, SVOCs, metals, and TPHs. There was also good agreement for VOCs for the soil gas sample and its field duplicate. There was good agreement for SVOCs, metals, and TPHs in the groundwater sample and its field duplicate. However, the field duplicate (TtMW-1 Dup) contained much lower concentrations of VOCs than the field sample (TtMW-1), which suggests that the duplicate sample experienced some oxidation during its collection. Overall, the results demonstrate that the data collected in the field are sufficiently precise.

Equipment Blanks: Equipment blanks were collected to ensure that no contaminants were introduced into the sampling train during collection and analysis. Equipment blanks were collected when reusable or non-disposable sampling equipment was used during the sampling event. To prevent cross-contamination of samples, all field sampling equipment was decontaminated prior to reuse. All soil sampling equipment blank samples consisted of deionized water that had been passed through the shoe of the split-barrel sampler or the hand auger. One equipment blank was collected for each day of soil sampling. Equipment blanks were analyzed for the same parameters as their corresponding Site sample.
All of the equipment blanks contained non-detectable concentrations of VOCs, SVOCs, metals, and TPHs, indicating that decontamination procedures between samples had been thorough.

Trip Blanks: Trip blanks containing deionized water were supplied by the laboratory and placed in the sample cooler for each day that VOCs were collected. The trip blanks were evaluated to determine if any contaminants had entered the sample container at the Site. All of the trip blank samples contained non-detectable concentrations of VOCs.

Laboratory Quality Control Samples

Both of the laboratories, AETL and H&P Mobile Geochemistry, analyzed the following laboratory QC samples: method blanks, laboratory control samples (LCSs), matrix spike/matrix spike duplicates (MS/MSDs), and surrogate spikes.

Method Blank: Method blanks were used to identify any background interference or contamination that could be introduced into the samples from the laboratory. The laboratories used appropriate in-house “clean” matrix (i.e., solid, gas, or liquid) sample to monitor each analytical batch for background interference and contamination that could be introduced from glassware, reagents, and other potential laboratory-generated contaminants. One method blank

was included with each preparation batch but not to exceed 20 samples or with each type of sample matrix, whichever was more frequent. The method blank was taken through the entire sample preparation process and then analyzed for the same parameters as its corresponding site samples.

Laboratory Control Samples (LCS): LCSs were used to determine the presence of any matrix or sample preparation interference and to determine the accuracy and precision of the analyses. An LCS is defined as a blank in-house matrix (i.e., solid, gas, or liquid) spiked with a known amount of analyte. The spiking solution was prepared independently of the calibration standards. Spiking solutions were used to establish the possibility of matrix interference. One LCS was analyzed for each preparation batch not to exceed 20 samples or with each different type of matrix, whichever was more frequent. The LCS was analyzed for the spiking compound.

Based on review of the laboratory QA/QC results provided in the analytical reports (Appendix C), there was no report of matrix or sample preparation interference in any of the soil, soil gas, or groundwater samples collected. The surrogate spike recoveries were within the acceptable limits for each of the USEPA methods used, which indicates that the sample results were useable and reliable.

Matrix Spike and Matrix Spike Duplicates (MS/MSDs): MS/MSDs were used to determine the presence of any matrix or sample preparation interference and to determine the accuracy and precision of the analyses. Aliquot of the field samples were used for the laboratory QC samples (MS/MSDs and surrogate spikes) for soil and groundwater.

The MS/MSD recoveries were within the acceptable limits of relative percent difference for the USEPA methods used, which demonstrates that the analytical procedures used were sufficiently accurate and precise.

TABLE 4-1

Summary of Samples Collected and Analyzed - Soil, Soil Gas, and Groundwater Samples

Former Rantec Microwave, Inc. Site, Calabasas, CA

Sample Number	Depth	Date	Purgeables 8260B	Purgeables 8270C	Metals 6010/7000CAM	Chromium VI 7199	TPH M8015
Soil							
TtHA-1-5'	5	23-May-14	X		X		X
TtHA-2-3'	3	28-May-14	X	X	X	X	X
TtHA-3-5'	5	23-May-14	X		X	X	X
TtHA-3-10'	10	23-May-14	X		X	X	X
TtHA-4-5'	5	23-May-14	X	X	X	X	X
TtHA-5-5'	5	23-May-14	X	X	X	X	X
TtHA-5-10'	10	23-May-14	X	X	X	X	X
TtHA-6-5'	5	23-May-14	X	X	X	X	X
TtHA-6-10'	10	23-May-14	X	X	X	X	X
TtMW-1-5'	5	19-May-14	X		X	X	X
TtMW-1-15'	15	19-May-14	X		X	X	X
TtMW-1-25'	25	19-May-14	X		X	X	X
TtMW-1-25'-D	25	19-May-14	X		X	X	X
TtMW-1-35'	35	19-May-14	X		X	X	X
TtMW-2-5'	5	20-May-14	X		X	X	X
TtMW-2-15'	15	20-May-14	X		X	X	X
TtMW-2-25'	25	20-May-14	X		X	X	X
TtMW-2-25'D	25	20-May-14	X		X	X	X
TtMW-2-35'	35	20-May-14	X		X	X	X
TtMW-3-5'	5	21-May-14	X		X	X	X
TtMW-3-15'	15	21-May-14	X		X	X	X
TtMW-3-25'	25	21-May-14	X		X	X	X
TtMW-4-5'	5	20-May-14	X		X	X	X
TtMW-4-15'	15	20-May-14	X		X	X	X
TtMW-4-25'	25	20-May-14	X		X	X	X
TtMW-4-35'	35	20-May-14	X		X	X	X
TtMW-5-5'	5	19-May-14	X		X	X	X
TtMW-5-15'	15	19-May-14	X		X	X	X
TtMW-5-25'	25	19-May-14	X		X	X	X
TtMW-5-35'	35	19-May-14	X		X	X	X
TtSB-1-5'	5	28-May-14	X		X	X	X
TtSB-2-5'	5	22-May-14	X		X	X	X
TtSB-2-12'	12	22-May-14	X		X	X	X
TtSB-2-20'	20	22-May-14	X		X	X	X
TtSB-3-5'	5	22-May-14	X		X	X	X
TtSB-3-12'	12	22-May-14	X		X	X	X
TtSB-3-16'	16	22-May-14	X		X	X	X
TtSB-5-5'	5	28-May-14	X	X	X	X	X
TtSB-5-15'	15	28-May-14	X	X	X	X	X
TtSB-5-20'	20	28-May-14	X	X	X	X	X
TtSB-6-5'	5	28-May-14	X	X	X	X	X
TtSB-6-15'	15	28-May-14	X	X	X	X	X
TtSB-6-20'	20	28-May-14			X		
TtSB-7-5'	5	28-May-14	X		X	X	X
TtSB-7-15'	15	28-May-14	X		X	X	X
TtSB-7-15' D	15	28-May-14	X		X	X	X
TtSB-7-20'	20	28-May-14	X		X	X	X
TtSB-8-5'	5	28-May-14			X		
TtSB-8-15'	15	28-May-14			X		
TtSB-8-25'	25	28-May-14			X		
TtSG-1-5'	5	27-May-14	X	X	X	X	X
TtSG-1-15'	15	27-May-14	X	X	X	X	X

TABLE 4-1

Summary of Samples Collected and Analyzed - Soil, Soil Gas, and Groundwater Samples

Former Rantec Microwave, Inc. Site, Calabasas, CA

Sample Number	Depth	Date	Purgeables 8260B	Purgeables 8270C	Metals 6010/7000CAM	Chromium VI 7199	TPH M8015
TtSG-1-15'-D	15	27-May-14	X	X	X	X	X
TtSG-1-20'	20	27-May-14	X	X	X	X	X
TtSG-2-5'	5	27-May-14	X	X	X	X	X
TtSG-2-15'	15	27-May-14	X	X	X	X	X
TtSG-2-20'	20	27-May-14	X	X	X	X	X
TtSG-3-20'	20	28-May-14	X	X	X	X	X
TtSG-4-5'	5	27-May-14	X	X	X	X	X
TtSG-4-5'	5	28-May-14	X		X	X	X
TtSG-4-15'	15	27-May-14	X		X	X	X
TtSG-4-15'	15	28-May-14	X	X	X	X	X
TtSG-4-15'D	15	28-May-14	X	X	X	X	X
TtSG-4-20'	20	27-May-14	X		X	X	X
TtSG-4-20'	20	28-May-14	X	X	X	X	X
TtSG-5-5	5	11-May-15	X				
TtSG-5-15	15	11-May-15	X				
TtSG-6-5	5	11-May-15	X				X
TtSG-6-15	15	11-May-15	X				
TtSG-7-5	5	11-May-15	X				
TtSG-7-15	15	11-May-15	X				
TtSG-8-5	5	11-May-15	X				
TtSG-8-15	15	11-May-15	X				
TtMW-6-2	2	12-May-15			X	X	
TtMW-6-5	5	12-May-15	X		X	X	
TtMW-6-23	23	12-May-15	X		X	X	
Total			**71**	**23**	**68**	**63**	**62**

Soil Gas			8260B
TtSG-1-5, 10PV	5	6/18/2014	X
TtSG-1-5, 1PV	5	6/18/2014	X
TtSG-1-5, 3PV	5	6/18/2014	X
TtSG-2-5 Dup	5	6/18/2014	X
TtSG-2-5	5	6/18/2014	X
TtSG-3-5	5	6/18/2014	X
TtSG-4-5	5	6/18/2014	X
TtSG-1-5'	5	6/3/2015	X
TtSG-2-5'	5	6/3/2015	X
TtSG-3-5'	5	6/3/2015	X
TtSG-4-5'	5	6/3/2015	X
TtSG-4-5' Rep	5	6/3/2015	X
TtSG-5-5', 10PV	5	6/3/2015	X
TtSG-5-5', 1PV	5	6/3/2015	X
TtSG-5-5', 3PV	5	6/3/2015	X
TtSG-6-5'	5	6/3/2015	X
TtSG-7-5'	5	6/3/2015	X
TtSG-8-5'	5	6/3/2015	X
TtSG-8-15'	15	6/3/2015	X
Total			**19**

TABLE 4-1

Summary of Samples Collected and Analyzed - Soil, Soil Gas, and Groundwater Samples

Former Rantec Microwave, Inc. Site, Calabasas, CA

Sample Number	Depth	Date	Purgeables 8260B	Purgeables 8270C	Metals 6010/7000CAM	Chromium VI 7199	TPH M8015
Groundwater							
TtMW-1		17-Jun-14	X	X	X	X	X
TtMW-1-D		17-Jun-14	X	X	X	X	X
TtMW-2		17-Jun-14	X	X	X	X	X
TtMW-3		17-Jun-14	X	X	X	X	X
TtMW-4		17-Jun-14	X	X	X	X	X
TtMW-5		17-Jun-14	X	X	X	X	X
TTMW-1		6/4/2015	X		X	X	X
TTMW-2		6/4/2015	X		X	X	X
TTMW-3		6/4/2015	X		X	X	X
TTMW-4		6/4/2015	X		X	X	X
TTMW-4-D		6/4/2015	X		X	X	X
TTMW-5		6/4/2015	X		X	X	X
TTMW-6		6/4/2015	X		X	X	X
Total			**13**	**6**	**13**	**13**	**13**

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtHA-1-5' 23-May-14	TtHA-2-3' 28-May-14	TtHA-3-5' 23-May-14	TtHA-3-10' 23-May-14	TtHA-4-5' 23-May-14	TtHA-5-10' 23-May-14	TtHA-5-5' 23-May-14	TtHA-6-5' 23-May-14	TtHA-6-10' 23-May-14	TtMW-1-5' 19-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	**21.7**	<2	**2.54**	**4.73**	<2	<2	<2	<2	<2	**106**
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	<1.5	**9.86**	**20.3**	<1.5	<1.5	<1.5	<1.5	<1.5	**36.4**
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtMW-1-15' 19-May-14	TtMW-1-25' 19-May-14	TtMW-1-25'-D 19-May-14	TtMW-1-35' 19-May-14	TtMW-2-5' 20-May-14	TtMW-2-15' 20-May-14	TtMW-2-25' 20-May-14	TtMW-2-25'D 20-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	<2	<2	<2	<2	**9.1**	<2	<2	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtMW-2-35' 20-May-14	TtMW-3-5' 21-May-14	TtMW-3-15' 21-May-14	TtMW-3-25' 21-May-14	TtMW-4-5' 20-May-14	TtMW-4-15' 20-May-14	TtMW-4-25' 20-May-14	TtMW-4-35' 20-May-14	TtMW-5-5' 19-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	**12.4**	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	<2	**23.6**	**102**	<2	<2	**10.7**	<2	<2	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	**101**	**31.3**	**4.9**	<1.5	**5.3**	<1.5	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtMW-5-15' 19-May-14	TtMW-5-25' 19-May-14	TtMW-5-35' 19-May-14	TtSB-1-5' 28-May-14	TtSB-2-5' 22-May-14	TtSB-2-12' 22-May-14	TtSB-2-20' 22-May-14	TtSB-3-5' 22-May-14	TtSB-3-12' 22-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	**59.5**	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtSB-3-16' 22-May-14	TtSB-5-5' 28-May-14	TtSB-5-15' 28-May-14	TtSB-5-20' 28-May-14	TtSB-6-5' 28-May-14	TtSB-6-15' 28-May-14	TtSB-7-5' 28-May-14	TtSB-7-15' 28-May-14	TtSB-7-15' D 28-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	**3.66**	<1	<1	**1.57**	**2.43**	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	**1.06**	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	**2.19**	<1	<1	**1.28**	**1.37**	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtSB-7-20' 28-May-14	TtSG-1-5' 27-May-14	TtSG-1-15' 27-May-14	TtSG-1-15'-D 27-May-14	TtSG-1-20' 27-May-14	TtSG-2-5' 27-May-14	TtSG-2-15' 27-May-14	TtSG-2-20' 27-May-14	TtSG-3-20' 28-May-14
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	**1.58**	**2.28**	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	**1.9**	**1.86**	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	<2	<2	<2	<2	<2	**244**	**3.38**	**34**	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	**1.52**	**2.71**	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	<1.5	<1.5	<1.5	<1.5	<1.5	**4.88**	<1.5	**6.12**	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtSG-4-5' 27-May-14	TtSG-4-5' 28-May-14	TtSG-4-15' 27-May-14	TtSG-4-15' 28-May-14	TtSG-4-15'D 28-May-14	TtSG-4-20' 27-May-14	TtSG-4-20' 28-May-14	TtSG-5-5 11-May-15	TtSG-5-15 11-May-15
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	**7.8**	<1	<1	<1	<1	**1.54**	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	**1.09**	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	**2.06**	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	**44.5**	<2	**4.44**	**2.22**	**5.59**	<2	**3.33**	**20.5**	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	**4.12**	<1	<1	<1	<1	**1.54**	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	**1.65**	<1	**83.2**	**2.54**	**9.37**	<1.5	**321**	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-2
Purgeables (EPA Method 8260B), in ug/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

ANALYTE	Residential Soil RSL	Soil RSL Protective of GW	TtSG-6-5 11-May-15	TtSG-6-15 11-May-15	TtSG-7-5 11-May-15	TtSG-7-15 11-May-15	TtSG-8-5 11-May-15	TtSG-8-15 11-May-15	TtMW-6-5 12-May-15	TtMW-6-23 12-May-15
1,1,1,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane			<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	230,000	0.0025	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane (DBCP)			<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane (EDC)			<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
2,2-Dichloropropane			<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)			<25	<25	<25	<25	<25	<25	<25	<25
2-Chloroethyl vinyl ether			<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone			<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene			<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)			<25	<25	<25	<25	<25	<25	<25	<25
Acetone			<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1,200	2.60	<1	<1	<1	<1	<1	<1	<1	<1
Bromobenzene (Phenyl bromide)			<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane			<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	290	22.00	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform (Tribromomethane)	67,000	21.00	<25	<25	<25	<25	<25	<25	<25	<25
Bromomethane (Methyl bromide)			<15	<15	<15	<15	<15	<15	<15	<15
Carbon Disulfide	770,000	240.00	<25	<25	<25	<25	<25	<25	<25	<25
Carbon tetrachloride			<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene			<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane			<15	<15	<15	<15	<15	<15	<15	<15
Chloroform (Trichloromethane)	320	22.00	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane (Methyl chloride)			<15	<15	<15	<15	<15	<15	<15	<15
cis-1,2-Dichloroethene	160,000	21.00	<5	<5	**7.96**	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	730	21.00	<5	<5	<5	<5	<5	<5	<5	<5
Dibromomethane			<5	<5	<5	<5	<5	<5	<5	<5
Dichlorodifluoromethane			<15	<15	<15	<15	<15	<15	<15	<15
Ethylbenzene	5,800	780.00	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene			<15	<15	<15	<15	<15	<15	<15	<15
Iodomethane			<5	<5	<5	<5	<5	<5	<5	<5
Isopropylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
m,p-Xylenes	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride (DCM)			<25	<25	<25	<25	<25	<25	<25	<25
Methyl-tert-butyl ether (MTBE)			<2	<2	<2	<2	<2	<2	<2	<2
Naphthalene			<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
n-Propylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	58,000	9,800.00	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene			<5	<5	<5	<5	<5	<5	<5	<5
sec-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
Styrene			<5	<5	<5	<5	<5	<5	<5	<5
tert-Butylbenzene			<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	24,000	2.30	**136**	<2	**4.65**	53	<2	**8.8**	<2	<2
Toluene (Methyl benzene)	4,900,000	690.00	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	1,600,000	29.00	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene			<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	940	1.80	**108**	<1.5	**33.2**	**17.7**	<1.5	<1.5	<1.5	<1.5
Trichlorofluoromethane	40,000,000	140,000.00	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate			<25	<25	<25	<25	<25	<25	<25	<25
Vinyl chloride (Chloroethene)	59	0.69	<5	<5	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-3

Semi-Purgeables (EPA Method 8270C), in mg/kg

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

	TtHA-2-3'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'	TtHA-6-5'	TtHA-6-10'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'	TtSB-6-5'	TtSB-6-15'
Analyte	28-May-14	23-May-14	23-May-14	23-May-14	23-May-14	23-May-14	28-May-14	28-May-14	28-May-14	28-May-14	28-May-14
1,2,4-Trichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,2-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,4-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4,5-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4,6-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dimethylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dinitrophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dinitrotoluene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,6-Dinitrotoluene (2,6-DNT)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Chloronaphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Chlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylphenol (2-Cresol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Nitrophenol (o-Nitrophenol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3,3'-Dichlorobenzidine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3-Methylphenol (3-Cresol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4,6-Dinitro-2-methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Bromophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chloro-3-methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chloroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chlorophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Nitrophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Acenaphthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Acenaphthylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Azobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzidine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(a)anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(a)pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(b)fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(g,h,i)perylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(k)fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzoic Acid	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzyl Alcohol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-Chloroethoxy)methane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-Chloroethyl)ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-chloroisopropyl) ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-ethylhexyl) phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Butyl benzyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chrysene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dibenzo(a,h)anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dibenzofuran	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Diethyl phthalate (Diethyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dimethyl phthalate (Dimethyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Di-n-butyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Di-n-octyl phthalate (Dioctyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Fluorene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorobutadiene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorocyclopentadiene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Indeno(1,2,3-cd)pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isophorone	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Nitrobenzene (NB)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
N-Nitroso-Di-n-propylamine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
N-nitrosodiphenylamine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Pentachlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Phenanthrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Phenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-3

Semi-Purgeables (EPA Method 8270C), in mg/kg

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

	TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	TtSG-1-20'	TtSG-2-5'	TtSG-2-15'	TtSG-2-20'	TtSG-3-20'	TtSG-4-5'	TtSG-4-15'
Analyte	27-May-14	27-May-14	27-May-14	27-May-14	27-May-14	27-May-14	27-May-14	28-May-14	28-May-14	28-May-14
1,2,4-Trichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,2-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,4-Dichlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4,5-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4,6-Trichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dichlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dimethylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dinitrophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,4-Dinitrotoluene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2,6-Dinitrotoluene (2,6-DNT)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Chloronaphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Chlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylphenol (2-Cresol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Nitrophenol (o-Nitrophenol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3,3'-Dichlorobenzidine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3-Methylphenol (3-Cresol)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
3-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4,6-Dinitro-2-methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Bromophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chloro-3-methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chloroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Chlorophenyl phenyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Methylphenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Nitroaniline	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4-Nitrophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Acenaphthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Acenaphthylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Azobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzidine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(a)anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(a)pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(b)fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(g,h,i)perylene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzo(k)fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzoic Acid	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzyl Alcohol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-Chloroethoxy)methane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-Chloroethyl)ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-chloroisopropyl) ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bis(2-ethylhexyl) phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Butyl benzyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chrysene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dibenzo(a,h)anthracene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dibenzofuran	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Diethyl phthalate (Diethyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dimethyl phthalate (Dimethyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Di-n-butyl phthalate	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Di-n-octyl phthalate (Dioctyl ester)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Fluoranthene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Fluorene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorobenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorobutadiene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachlorocyclopentadiene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Hexachloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Indeno(1,2,3-cd)pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isophorone	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Nitrobenzene (NB)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
N-Nitroso-Di-n-propylamine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
N-nitrosodiphenylamine	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Pentachlorophenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Phenanthrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Phenol	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Pyrene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-3

Semi-Purgeables (EPA Method 8270C), in mg/kg

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

	TtSG-4-15'D	TtSG-4-20'
Analyte	28-May-14	28-May-14
1,2,4-Trichlorobenzene	<0.25	<0.25
1,2-Dichlorobenzene	<0.25	<0.25
1,3-Dichlorobenzene	<0.25	<0.25
1,4-Dichlorobenzene	<0.25	<0.25
2,4,5-Trichlorophenol	<0.25	<0.25
2,4,6-Trichlorophenol	<0.25	<0.25
2,4-Dichlorophenol	<0.25	<0.25
2,4-Dimethylphenol	<0.25	<0.25
2,4-Dinitrophenol	<0.25	<0.25
2,4-Dinitrotoluene	<0.25	<0.25
2,6-Dinitrotoluene (2,6-DNT)	<0.25	<0.25
2-Chloronaphthalene	<0.25	<0.25
2-Chlorophenol	<0.25	<0.25
2-Methylnaphthalene	<0.25	<0.25
2-Methylphenol (2-Cresol)	<0.25	<0.25
2-Nitroaniline	<0.25	<0.25
2-Nitrophenol (o-Nitrophenol)	<0.25	<0.25
3,3'-Dichlorobenzidine	<0.25	<0.25
3-Methylphenol (3-Cresol)	<0.25	<0.25
3-Nitroaniline	<0.25	<0.25
4,6-Dinitro-2-methylphenol	<0.25	<0.25
4-Bromophenyl phenyl ether	<0.25	<0.25
4-Chloro-3-methylphenol	<0.25	<0.25
4-Chloroaniline	<0.25	<0.25
4-Chlorophenyl phenyl ether	<0.25	<0.25
4-Methylphenol	<0.25	<0.25
4-Nitroaniline	<0.25	<0.25
4-Nitrophenol	<0.25	<0.25
Acenaphthene	<0.25	<0.25
Acenaphthylene	<0.25	<0.25
Anthracene	<0.25	<0.25
Azobenzene	<0.25	<0.25
Benzidine	<0.25	<0.25
Benzo(a)anthracene	<0.25	<0.25
Benzo(a)pyrene	<0.25	<0.25
Benzo(b)fluoranthene	<0.25	<0.25
Benzo(g,h,i)perylene	<0.25	<0.25
Benzo(k)fluoranthene	<0.25	<0.25
Benzoic Acid	<0.25	<0.25
Benzyl Alcohol	<0.25	<0.25
Bis(2-Chloroethoxy)methane	<0.25	<0.25
Bis(2-Chloroethyl)ether	<0.25	<0.25
Bis(2-chloroisopropyl) ether	<0.25	<0.25
Bis(2-ethylhexyl) phthalate	<0.25	<0.25
Butyl benzyl phthalate	<0.25	<0.25
Chrysene	<0.25	<0.25
Dibenzo(a,h)anthracene	<0.25	<0.25
Dibenzofuran	<0.25	<0.25
Diethyl phthalate (Diethyl ester)	<0.25	<0.25
Dimethyl phthalate (Dimethyl ester)	<0.25	<0.25
Di-n-butyl phthalate	<0.25	<0.25
Di-n-octyl phthalate (Dioctyl ester)	<0.25	<0.25
Fluoranthene	<0.25	<0.25
Fluorene	<0.25	<0.25
Hexachlorobenzene	<0.25	<0.25
Hexachlorobutadiene	<0.25	<0.25
Hexachlorocyclopentadiene	<0.25	<0.25
Hexachloroethane	<0.25	<0.25
Indeno(1,2,3-cd)pyrene	<0.25	<0.25
Isophorone	<0.25	<0.25
Naphthalene	<0.25	<0.25
Nitrobenzene (NB)	<0.25	<0.25
N-Nitroso-Di-n-propylamine	<0.25	<0.25
N-nitrosodiphenylamine	<0.25	<0.25
Pentachlorophenol	<0.25	<0.25
Phenanthrene	<0.25	<0.25
Phenol	<0.25	<0.25
Pyrene	<0.25	<0.25

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-4
Metal (EPA Method 6010/7000CAM), in mg/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

Sample ID	Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury (EPA 7470)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			1.0	1.0	2.5	1.3	1.3	2.5	2.5	2.5	2.5	0.1	2.5	2.5	1.0	2.5	1.0	2.5	2.5	***MDL***
			5.0	5.0	5.0	2.5	2.5	5.0	5.0	5.0	5.0	0.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	***PQL***
GW Protection SSLs (based MCL)			0.27	0.29	82	3.2	0.38	180,000	NE	46	14	0.10	NE	NE	0.26	NE	0.14	NE	NE	
Residential Soil RSLs			31	0.67	15,000	160	70	120,000	23	3,100	400	9.4	390	1,500	390	390	0.78	390	23,000	
Industrial Soil RSLs			470	3.0	220,000	2,300	980	1,800,000	350	47,000	800	40	5,800	22,000	5,800	5,800	12	5,800	350,000	
TtHA-1-5'	5	23-May-14	<1	<1	**374**	<1.3	<1.3	31.6	6.94	22.6	<2.5	<0.1	3.94	34.5	<1	<2.5	<1	21.7	60.4	
TtHA-2-3'	3	28-May-14	<1	**10.7**	**646**	<1.3	<1.3	36.3	5	34.9	<2.5	<0.1	5.51	38.9	<1	<2.5	<1	40.1	53.9	
TtHA-3-5'	5	23-May-14	<1	**8.19**	**106**	<1.3	<1.3	31	5.23	25.7	<2.5	<0.1	<2.5	39.9	<1	<2.5	<1	35.2	71.3	
TtHA-3-10'	10	23-May-14	<1	**14.1**	**103**	<1.3	<1.3	31	5.22	34.2	2.77	<0.1	8.78	39.1	<1	<2.5	<1	38.5	76.4	
TtHA-4-5'	5	23-May-14	<1	<1	**390**	<1.3	<1.3	32.3	3.55	23.5	<2.5	<0.1	2.7	35.9	<1	<2.5	<1	36.3	59.5	
TtHA-5-5'	5	23-May-14	<1	<1	**89.1**	<1.3	<1.3	30	6.37	29.9	<2.5	<0.1	<2.5	32.3	<1	<2.5	<1	20.6	62.7	
TtHA-5-10'	10	23-May-14	<1	<1	**86.9**	<1.3	<1.3	25.7	5.35	28	<2.5	<0.1	3.84	25.3	<1	<2.5	<1	21.3	98.3	
TtHA-6-5'	5	23-May-14	<1	<1	62.8	<1.3	<1.3	31.8	4.2	24.8	3.18	<0.1	6.76	38.7	<1	<2.5	<1	33.2	80.6	
TtHA-6-10'	10	23-May-14	<1	<1	**123**	<1.3	<1.3	31.7	5.27	26	<2.5	<0.1	9.58	49.2	<1	<2.5	<1	30.2	73	
TtMW-1-5'	5	19-May-14	<1	**6.15**	**154**	<1.3	<1.3	23.1	<2.5	25.7	<2.5	<0.1	3.42	26.8	<1	<2.5	<1	18.3	49.4	
TtMW-1-15'	15	19-May-14	<1	<1	55.1	<1.3	<1.3	31.8	6.97	27.5	<2.5	<0.1	7.23	41.1	<1	<2.5	<1	24.2	67.7	
TtMW-1-25'	25	19-May-14	<1	**5**	54.7	<1.3	<1.3	40.2	7.68	**46.7**	3.39	<0.1	7.39	54.4	<1	<2.5	<1	48.1	89	
TtMW-1-25'-D	25	19-May-14	<1	**6.94**	65.3	<1.3	<1.3	43.1	7.24	42.6	3.01	<0.1	7.48	55	<1	<2.5	<1	72.5	80.1	
TtMW-1-35'	35	19-May-14	<1	<1	51.1	<1.3	<1.3	36.2	6.46	19.4	<2.5	<0.1	3.56	38.5	<1	<2.5	<1	25.2	54.3	
TtMW-2-5'	5	20-May-14	<1	<1	**1240**	<1.3	<1.3	25.9	3.44	17.2	<2.5	<0.1	<2.5	17.2	<1	<2.5	<1	16.1	29.3	
TtMW-2-15'	15	20-May-14	<1	<1	**91.3**	<1.3	<1.3	34	5.04	36.1	<2.5	<0.1	5.4	18.9	<1	<2.5	<1	24.4	60.5	
TtMW-2-25'	25	20-May-14	<1	<1	61.6	<1.3	<1.3	44.3	7.65	42.9	3.43	<0.1	12.5	54.5	<1	<2.5	<1	68.2	90.9	
TtMW-2-25'D	25	20-May-14	<1	<1	61.8	<1.3	<1.3	44.1	7.55	43.9	3	<0.1	13.4	55.8	<1	<2.5	<1	69.1	84.4	
TtMW-2-35'	35	20-May-14	<1	<1	66	<1.3	<1.3	28	6.58	13.4	<2.5	<0.1	3.94	38.5	<1	<2.5	<1	19.8	45.5	
TtMW-3-5'	5	21-May-14	<1	<1	**171**	<1.3	<1.3	25.3	7.77	21.9	<2.5	<0.1	<2.5	34	<1	<2.5	<1	32.4	40.7	
TtMW-3-15'	15	21-May-14	<1	<1	56.2	<1.3	<1.3	28.1	4.98	42.8	2.76	<0.1	11.8	11.1	<1	<2.5	<1	21.2	53.6	
TtMW-3-25'	25	21-May-14	<1	<1	70.1	<1.3	<1.3	34.3	7.13	36.2	<2.5	<0.1	4.37	40.3	<1	<2.5	<1	29.5	81.5	
TtMW-4-5'	5	20-May-14	<1	<1	**570**	<1.3	<1.3	31.9	<2.5	35.8	<2.5	<0.1	5.06	21.4	<1	<2.5	<1	41.6	35	
TtMW-4-15'	15	20-May-14	<1	<1	63.3	<1.3	<1.3	36.2	6.87	41	<2.5	<0.1	11.3	20.7	<1	<2.5	<1	39.8	69.9	
TtMW-4-25'	25	20-May-14	<1	<1	**181**	<1.3	<1.3	41.3	7.42	21.8	<2.5	<0.1	4.7	42.7	<1	<2.5	<1	25.6	51.4	
TtMW-4-35'	35	20-May-14	<1	<1	67.8	<1.3	<1.3	48.6	8.41	35	<2.5	<0.1	8.23	46.6	<1	<2.5	<1	47.3	77.1	
TtMW-5-5'	5	19-May-14	<1	<1	**95.5**	<1.3	<1.3	24.7	4.9	38	<2.5	<0.1	<2.5	30.1	<1	<2.5	<1	21.6	47.7	
TtMW-5-15'	15	19-May-14	<1	<1	73.8	<1.3	<1.3	29.6	8.38	32.7	2.53	<0.1	7.11	50.4	<1	<2.5	<1	24	75	
TtMW-5-25'	25	19-May-14	<1	<1	78.3	<1.3	<1.3	29.7	7.54	38.6	3.01	<0.1	4.02	39.2	<1	<2.5	<1	29.5	75.9	
TtMW-5-35'	35	19-May-14	<1	**4.04**	81.9	<1.3	<1.3	33.4	8	37.5	<2.5	<0.1	4.67	44.1	<1	<2.5	<1	34.6	82.2	
TtSB-1-5'	5	28-May-14	<1	<1	61	<1.3	<1.3	35.1	22.9	23.1	<2.5	**0.159**	15.9	82.8	<1	<2.5	<1	25.7	62.6	
TtSB-2-5'	5	22-May-14	<1	<1	**498**	<1.3	<1.3	29.1	16.9	10.8	<2.5	<0.1	11.9	55	<1	<2.5	<1	14	47	
TtSB-2-12'	12	22-May-14	<1	<1	**85.4**	<1.3	<1.3	43.1	7.51	37.1	3.32	<0.1	3.53	47.4	<1	<2.5	<1	48.4	86.7	
TtSB-2-20'	20	22-May-14	<1	**5.28**	**318**	<1.3	<1.3	32.2	7.05	38	2.54	<0.1	11.2	53.1	<1	<2.5	<1	29.7	98.4	
TtSB-3-5'	5	22-May-14	<1	<1	57	<1.3	<1.3	36.5	12.1	14.9	4.91	<0.1	14.3	39.8	<1	<2.5	<1	40	98.1	
TtSB-3-12'	12	22-May-14	<1	**6.85**	54.1	<1.3	<1.3	46.5	8.26	**46.4**	2.92	<0.1	13.2	79.5	<1	<2.5	<1	40.8	59.2	
TtSB-3-16'	16	22-May-14	<1	**5.64**	48	<1.3	<1.3	47.5	7.97	38.5	<2.5	<0.1	7.5	50.1	<1	<2.5	<1	34.3	83.3	
TtSB-5-5'	5	28-May-14	<1	<1	**158**	<1.3	<1.3	17.1	6.46	18.7	**238**	<0.1	<2.5	23.9	<1	<2.5	<1	30.8	59.5	
TtSB-5-15'	15	28-May-14	<1	<1	**178**	<1.3	<1.3	20	6.25	19.6	**20.6**	<0.1	<2.5	26.8	<1	<2.5	<1	25.8	42.2	
TtSB-5-20'	20	28-May-14	<1	<1	51.8	<1.3	<1.3	37.7	8.51	30	3.89	<0.1	9.65	32.3	<1	<2.5	<1	40	70.1	
TtSB-6-5'	5	28-May-14	<1	**8.8**	**101**	<1.3	<1.3	37.6	6.26	28.8	<2.5	<0.1	<2.5	50.7	<1	<2.5	<1	37.5	74	
TtSB-6-15'	15	28-May-14	<1	<1	**90.5**	<1.3	<1.3	21.2	<2.5	28.5	<2.5	<0.1	<2.5	79.2	<1	<2.5	<1	23.2	73.7	
TtSB-6-20'	20	28-May-14	<1	**2.13**	59.4	<1.3	<1.3	38.3	5.16	**46.5**	3.55	<0.1	<2.5	105	<1	<2.5	<1	41.7	109	
TtSB-7-5'	5	28-May-14	<1	<1	**172**	<1.3	<1.3	26.8	8.05	21	<2.5	<0.1	<2.5	29.9	<1	<2.5	<1	34.2	36.8	
TtSB-7-15'	15	28-May-14	<1	<1	59	<1.3	<1.3	24.3	19	29.1	<2.5	<0.1	4.54	35.6	<1	<2.5	<1	20.8	48.4	
TtSB-7-15' D	15	28-May-14	<1	<1	56.5	<1.3	<1.3	26.4	5.38	30	<2.5	<0.1	2.8	27.6	<1	<2.5	<1	22.3	47.5	

TABLE 4-4
Metal (EPA Method 6010/7000CAM), in mg/kg
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Samples at Calabasas Site

Sample ID	Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury (EPA 7470)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			1.0	1.0	2.5	1.3	1.3	2.5	2.5	2.5	2.5	0.1	2.5	2.5	1.0	2.5	1.0	2.5	2.5	***MDL***
			5.0	5.0	5.0	2.5	2.5	5.0	5.0	5.0	5.0	0.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	***PQL***
GW Protection SSLs (based MCL)			0.27	0.29	82	3.2	0.38	180,000	NE	46	14	0.10	NE	NE	0.26	NE	0.14	NE	NE	
Residential Soil RSLs			31	0.67	15,000	160	70	120,000	23	3,100	400	9.4	390	1,500	390	390	0.78	390	23,000	
Industrial Soil RSLs			470	3.0	220,000	2,300	980	1,800,000	350	47,000	800	40	5,800	22,000	5,800	5,800	12	5,800	350,000	
TtSB-7-20'	20	28-May-14	<1	**4.66**	61.2	<1.3	<1.3	27.1	4.96	31.3	<2.5	<0.1	15.5	26.4	<1	<2.5	<1	30.1	59.2	
TtSB-8-5'	5	28-May-14	<1	**3.1**	**197**	<1.3	<1.3	25.7	7.77	35.2	2.51	<0.1	3.03	35.9	<1	<2.5	<1	23.8	80.1	
TtSB-8-15'	15	28-May-14	<1	**1.98**	**108**	<1.3	<1.3	17.3	3.22	32.4	<2.5	<0.1	4.9	13.3	<1	<2.5	<1	15.8	49	
TtSB-8-25'	25	28-May-14	<1	<1	**108**	<1.3	<1.3	23	4.64	21.2	<2.5	<0.1	2.82	33.5	<1	<2.5	<1	23	84.1	
TtSG-1-5'	5	27-May-14	<1	<1	**422**	<1.3	<1.3	29.4	4.8	28.5	<2.5	<0.1	4.95	27.9	<1	<2.5	<1	24.4	56.5	
TtSG-1-15'	15	27-May-14	<1	<1	51	<1.3	<1.3	32.5	6.58	22.9	<2.5	<0.1	6.11	46.1	<1	<2.5	<1	23.6	52.7	
TtSG-1-15'-D	15	27-May-14	<1	<1	48.9	<1.3	<1.3	30.3	6.55	24	<2.5	<0.1	6	46.5	<1	<2.5	<1	21.2	57.4	
TtSG-1-20'	20	27-May-14	<1	<1	69.2	<1.3	<1.3	41.9	6.18	34.3	2.79	<0.1	8.8	44.4	<1	<2.5	<1	78.5	74.9	
TtSG-2-5'	5	27-May-14	<1	<1	**652**	<1.3	<1.3	19.5	3.21	16.3	<2.5	<0.1	<2.5	28.8	<1	<2.5	<1	37	43.6	
TtSG-2-15'	15	27-May-14	<1	<1	60.2	<1.3	<1.3	33	7.67	35.4	2.58	<0.1	3.19	51.6	<1	<2.5	<1	27.1	87.2	
TtSG-2-20'	20	27-May-14	<1	<1	**139**	<1.3	<1.3	22.1	4.93	16.4	<2.5	<0.1	4.18	29.9	<1	<2.5	<1	17	39.3	
TtSG-3-20'	20	28-May-14	<1	<1	35.6	<1.3	<1.3	20.6	5.91	22	<2.5	<0.1	6.36	50.4	<1	<2.5	<1	14.4	75.7	
TtSG-4-5'	5	27-May-14	<1	<1	47.9	<1.3	<1.3	35	5.36	36.1	<2.5	<0.1	<2.5	64.6	<1	<2.5	<1	40.7	119	
TtSG-4-5'	5	28-May-14	<1	**7.52**	**88.2**	<1.3	<1.3	24.3	4.84	26.9	<2.5	<0.1	2.54	33.6	<1	<2.5	<1	35.2	52.2	
TtSG-4-15'	15	27-May-14	<1	<1	61	<1.3	<1.3	27.3	4.21	28	<2.5	<0.1	6.12	15.7	<1	<2.5	<1	20.5	46.5	
TtSG-4-15'	15	28-May-14	<1	<1	**164**	<1.3	<1.3	31.7	23	15.7	<2.5	<0.1	7.23	212	<1	<2.5	<1	37.4	215	
TtSG-4-15'D	15	28-May-14	<1	<1	**132**	<1.3	<1.3	35.4	21.2	16.7	<2.5	**0.267**	6.64	210	<1	<2.5	<1	39.9	226	
TtSG-4-20'	20	27-May-14	<1	<1	49.2	<1.3	<1.3	29.8	8.08	32.1	<2.5	<0.1	3.48	61.8	<1	<2.5	<1	20.7	87.2	
TtSG-4-20'	20	28-May-14	<1	**4.44**	75.9	<1.3	<1.3	28.7	7.24	22.7	<2.5	<0.1	10.7	62	<1	<2.5	<1	21.3	70	
TtMW-6-2	2	12-May-15	<1	<1	**107**	<1.3	<1.3	11.2	3.83	10.6	5.21	<0.1	<2.5	15.5	<1	<2.5	<1	19.6	33.6	
TtMW-6-5	5	12-May-15	<1	<1	55.7	<1.3	<1.3	7.98	3.19	7.19	4.9	<0.1	<2.5	7.04	<1	<2.5	<1	15.8	21.8	
TtMW-6-23	23	12-May-15	<1	<1	**120**	<1.3	<1.3	17.9	3.72	14.4	4.88	<0.1	<2.5	23.4	<1	<2.5	<1	23.9	38.7	

NE = Not Established.

BOLD values indicate that the soil RSLs to protect groundwater were exceeded. The gray box indicates that the residential and industrial soil RSLs were also exceeded in the top 10 feet of the soil.

TABLE 4-5
Chromium VI analysis (method 7199), in mg/kg

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

GW Protection SSLs (based MCL)	0.0067
Residential Soil RSLs	0.3
Industrial Soil RSLs	6.3

Sample ID	Depth	Date	PQL	MDL	Chromium (VI) 7199
TtHA-2-3'	3	28-May-14	0.20	0.20	<0.2
TtHA-3-5'	5	23-May-14	0.20	0.20	<0.2
TtHA-3-10'	10	23-May-14	0.20	0.20	<0.2
TtHA-4-5'	5	23-May-14	0.20	0.20	<0.2
TtHA-5-5'	5	23-May-14	0.20	0.20	**0.534**
TtHA-5-10'	10	23-May-14	0.20	0.20	**1.02**
TtHA-6-5'	5	23-May-14	0.20	0.20	<0.2
TtHA-6-10'	10	23-May-14	0.20	0.20	<0.2
TtMW-1-5'	5	19-May-14	0.20	0.20	<0.2
TtMW-1-15'	15	19-May-14	0.20	0.20	<0.2
TtMW-1-25'	25	19-May-14	0.20	0.20	<0.2
TtMW-1-25'-D	25	19-May-14	0.20	0.20	<0.2
TtMW-1-35'	35	19-May-14	0.20	0.20	<0.2
TtMW-2-5'	5	20-May-14	0.20	0.20	<0.2
TtMW-2-15'	15	20-May-14	0.20	0.20	**0.604**
TtMW-2-25'	25	20-May-14	0.20	0.20	<0.2
TtMW-2-25'D	25	20-May-14	0.20	0.20	<0.2
TtMW-2-35'	35	20-May-14	0.20	0.20	<0.2
TtMW-3-5'	5	21-May-14	0.20	0.20	<0.2
TtMW-3-15'	15	21-May-14	0.20	0.20	**1.07**
TtMW-3-25'	25	21-May-14	0.20	0.20	<0.2
TtMW-4-5'	5	20-May-14	0.20	0.20	<0.2
TtMW-4-15'	15	20-May-14	0.20	0.20	<0.2
TtMW-4-25'	25	20-May-14	0.20	0.20	<0.2
TtMW-4-35'	35	20-May-14	0.20	0.20	<0.2
TtMW-5-5'	5	19-May-14	0.20	0.20	<0.2
TtMW-5-15'	15	19-May-14	0.20	0.20	<0.2
TtMW-5-25'	25	19-May-14	0.20	0.20	<0.2
TtMW-5-35'	35	19-May-14	0.20	0.20	<0.2
TtSB-1-5'	5	28-May-14	0.20	0.20	<0.2
TtSB-2-5'	5	22-May-14	0.20	0.20	<0.2
TtSB-2-12'	12	22-May-14	0.20	0.20	<0.2
TtSB-2-20'	20	22-May-14	0.20	0.20	<0.2
TtSB-3-5'	5	22-May-14	0.20	0.20	<0.2
TtSB-3-12'	12	22-May-14	0.20	0.20	<0.2
TtSB-3-16'	16	22-May-14	0.20	0.20	<0.2
TtSB-5-5'	5	28-May-14	0.20	0.20	**0.227**
TtSB-5-15'	15	28-May-14	0.20	0.20	<0.2
TtSB-5-20'	20	28-May-14	0.20	0.20	**0.268**
TtSB-6-5'	5	28-May-14	0.20	0.20	**0.216**
TtSB-6-15'	15	28-May-14	0.20	0.20	**0.256**
TtSB-7-5'	5	28-May-14	0.20	0.20	<0.2
TtSB-7-15'	15	28-May-14	0.20	0.20	<0.2
TtSB-7-15' D	15	28-May-14	0.20	0.20	<0.2
TtSB-7-20'	20	28-May-14	0.20	0.20	<0.2
TtSG-1-5'	5	27-May-14	0.20	0.20	**0.706**
TtSG-1-15'	15	27-May-14	0.20	0.20	<0.2
TtSG-1-15'-D	15	27-May-14	0.20	0.20	<0.2
TtSG-1-20'	20	27-May-14	0.20	0.20	<0.2

TABLE 4-5
Chromium VI analysis (method 7199), in mg/kg

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

GW Protection SSLs (based MCL)	0.0067
Residential Soil RSLs	0.3
Industrial Soil RSLs	6.3

Sample ID	Depth	Date	PQL	MDL	Chromium (VI) 7199
TtSG-2-5'	5	27-May-14	0.20	0.20	<0.2
TtSG-2-15'	15	27-May-14	0.20	0.20	<0.2
TtSG-2-20'	20	27-May-14	0.20	0.20	<0.2
TtSG-3-20'	20	28-May-14	0.20	0.20	<0.2
TtSG-4-5'	5	27-May-14	0.20	0.20	<0.2
TtSG-4-5'	5	28-May-14	0.20	0.20	<0.2
TtSG-4-15'	15	27-May-14	0.20	0.20	**0.598**
TtSG-4-15'	15	28-May-14	0.20	0.20	<0.2
TtSG-4-15'D	15	28-May-14	0.20	0.20	<0.2
TtSG-4-20'	20	27-May-14	0.20	0.20	<0.2
TtSG-4-20'	20	28-May-14	0.20	0.20	<0.2
TtMW-6-2	2	12-May-15	0.20	0.20	<0.2
TtMW-6-5	5	12-May-15	0.20	0.20	<0.2
TtMW-6-23	23	12-May-15	0.20	0.20	**0.26**

TABLE 4-6
Total Petroleum Hydrocarbons (TPH)

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

			TPH (M8015G), in **mg/kg**	TPH (M8015D), in **mg/kg**			
Sample Number	Depth	Date	TPH as Gasoline and Light HC. (C4-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)	TPH Total as Diesel and Heavy HC.C13-C40	
			0.100	1.0	1.0	1.0	**MDL**
			1.000	5.0	5.0	5.0	**PQL**
TtHA-1-5'	5	23-May-14	<0.1	NA	NA	NA	
TtHA-2-3'	3	28-May-14	<0.1	19.1	13.1	32.2	
TtHA-3-5'	5	23-May-14	<0.1	NA	NA	NA	
TtHA-3-10'	10	23-May-14	<0.1	NA	NA	NA	
TtHA-4-5'	5	23-May-14	<0.1	NA	NA	NA	
TtHA-5-5'	5	23-May-14	<0.1	NA	NA	NA	
TtHA-5-10'	10	23-May-14	<0.1	NA	NA	NA	
TtHA-6-5'	5	23-May-14	<0.1	NA	NA	NA	
TtHA-6-10'	10	23-May-14	<0.1	NA	NA	NA	
TtMW-1-5'	5	19-May-14	0.265	<1	<1	<1	
TtMW-1-15'	15	19-May-14	0.171	5.42	47.5	52.9	
TtMW-1-25'	25	19-May-14	0.139	31	154	185	
TtMW-1-25'-D	25	19-May-14	<0.1	15.6	79.9	95.5	
TtMW-1-35'	35	19-May-14	0.156	<1	35.5	35.5	
TtMW-2-5'	5	20-May-14	<0.1	<1	<1	<1	
TtMW-2-15'	15	20-May-14	<0.1	<1	<1	<1	
TtMW-2-25'	25	20-May-14	0.22	24.7	102	127	
TtMW-2-25'D	25	20-May-14	0.227	26.4	116	142	
TtMW-2-35'	35	20-May-14	<0.1	13.2	69.9	83.1	
TtMW-3-5'	5	21-May-14	<0.1	<1	<1	<1	
TtMW-3-15'	15	21-May-14	<0.1	<1	<1	<1	
TtMW-3-25'	25	21-May-14	<0.1	13.5	22.7	36.2	
TtMW-4-5'	5	20-May-14	<0.1	<1	<1	<1	
TtMW-4-15'	15	20-May-14	<0.1	<1	<1	<1	
TtMW-4-25'	25	20-May-14	<0.1	<1	18.4	18.4	
TtMW-4-35'	35	20-May-14	<0.1	<1	48.1	48.1	
TtMW-5-5'	5	19-May-14	<0.1	<1	7.08	7.08	
TtMW-5-15'	15	19-May-14	0.21	20.8	68.5	89.3	
TtMW-5-25'	25	19-May-14	0.203	27.9	69.6	97.5	
TtMW-5-35'	35	19-May-14	0.129	13.6	34	47.6	
TtSB-1-5'	5	28-May-14	<0.1	<1	<1	<1	
TtSB-2-5'	5	22-May-14	0.125	<1	<1	<1	
TtSB-2-12'	12	22-May-14	0.377	14	47.2	61.2	
TtSB-2-20'	20	22-May-14	<0.1	19.3	79.2	98.5	
TtSB-3-5'	5	22-May-14	<0.1	<1	<1	<1	
TtSB-3-12'	12	22-May-14	<0.1	28.8	130	159	
TtSB-3-16'	16	22-May-14	<0.1	24.4	138	162	
TtSB-5-5'	5	28-May-14	<0.1	9.22	182	191	
TtSB-5-15'	15	28-May-14	<0.1	7.8	153	161	
TtSB-5-20'	20	28-May-14	<0.1	<1	<1	<1	
TtSB-6-5'	5	28-May-14	<0.1	<1	<1	<1	

TABLE 4-6
Total Petroleum Hydrocarbons (TPH)

Former Rantec Microwave, Inc. Site, Calabasas, CA

Soil Samples at Calabasas Site

			TPH (M8015G), in **mg/kg**	TPH (M8015D), in **mg/kg**			
Sample Number	Depth	Date	TPH as Gasoline and Light HC. (C4-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)	TPH Total as Diesel and Heavy HC.C13-C40	
			0.100	1.0	1.0	1.0	**MDL**
			1.000	5.0	5.0	5.0	**PQL**
TtSB-6-15'	15	28-May-14	<0.1	<1	<1	<1	
TtSB-7-5'	5	28-May-14	<0.1	<1	<1	<1	
TtSB-7-15'	15	28-May-14	<0.1	<1	<1	<1	
TtSB-7-15' D	15	28-May-14	<0.1	<1	<1	<1	
TtSB-7-20'	20	28-May-14	<0.1	<1	<1	<1	
TtSG-1-5'	5	27-May-14	<0.1	<1	45.8	45.8	
TtSG-1-15'	15	27-May-14	<0.1	<1	17.3	17.3	
TtSG-1-15'-D	15	27-May-14	<0.1	<1	12.7	12.7	
TtSG-1-20'	20	27-May-14	0.17	17.4	78.6	96	
TtSG-2-5'	5	27-May-14	0.119	<1	<1	<1	
TtSG-2-15'	15	27-May-14	0.135	12.2	37.4	49.6	
TtSG-2-20'	20	27-May-14	0.188	<1	<1	<1	
TtSG-3-20'	20	28-May-14	<0.1	<1	<1	<1	
TtSG-4-5'	5	27-May-14	<0.1	<1	<1	<1	
TtSG-4-5'	5	28-May-14	<0.1	<1	<1	<1	
TtSG-4-15'	15	27-May-14	<0.1	<1	<1	<1	
TtSG-4-15'	15	28-May-14	<0.1	<1	<1	<1	
TtSG-4-15'D	15	28-May-14	<0.1	<1	<1	<1	
TtSG-4-20'	20	27-May-14	<0.1	12.2	23.7	35.9	
TtSG-4-20'	20	28-May-14	<0.1	17.6	60.7	78.3	
TtSG-6-5	5	11-May-15	<0.1	<1	<1	<1	

NA = Not Analyzed

TABLE 4-7
Purgeables (EPA Method 8260B), in ug/L
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Gas Samples at Calabasas Site

	TtSG-1-5, 10PV	TtSG-1-5, 1PV	TtSG-1-5, 3PV	TtSG-2-5 Dup	TtSG-2-5
ANALYTE	06/18/2014 10:08:00	06/18/2014 08:51:00	06/18/2014 09:22:00	06/18/2014 11:49:00	06/18/2014 11:05:00
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	<10	<0.5
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<10	<0.5
1,1,2 Trichlorotrifluoroethane (F113)	1.9	1.6	1.7	77	56
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<10	<0.5
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<10	<0.5
1,1-Dichloroethane	<0.5	<0.5	<0.5	<10	<0.5
1,1-Dichloroethene	<0.5	<0.5	<0.5	<10	<0.5
1,1-Dichloropropene	<0.5	<0.5	<0.5	<10	<0.5
1,1-Difluoroethane (LCC)	<0.5	<0.5	<0.5	<10	<0.5
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	<10	<0.5
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	<10	<0.5
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<10	<0.5
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	<10	<0.5
1,2-Dibromo-3-chloropropane	<5	<5	<5	<100	<5
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<10	<0.5
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<10	<0.5
1,2-Dichloroethane (EDC)	<0.1	<0.1	<0.1	<2	<0.1
1,2-Dichloropropane	<0.5	<0.5	<0.5	<10	<0.5
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	<10	<0.5
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	<10	<0.5
1,3-Dichloropropane	<0.5	<0.5	<0.5	<10	<0.5
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<10	<0.5
2,2-Dichloropropane	<0.5	<0.5	<0.5	<10	<0.5
2-Chlorotoluene	<0.5	<0.5	<0.5	<10	<0.5
4-Chlorotoluene	<0.5	<0.5	<0.5	<10	<0.5
Benzene	<0.1	<0.1	<0.1	<2	<0.1
Bromobenzene	<0.5	<0.5	<0.5	<10	<0.5
Bromochloromethane	<0.5	<0.5	<0.5	<10	<0.5
Bromodichloromethane	<0.5	<0.5	<0.5	<10	<0.5
Bromoform	<0.5	<0.5	<0.5	<10	<0.5
Bromomethane	<0.5	<0.5	<0.5	<10	<0.5
Carbon tetrachloride	<0.1	<0.1	<0.1	<2	<0.1
Chlorobenzene	<0.1	<0.1	<0.1	<2	<0.1
Chloroethane	<0.5	<0.5	<0.5	<10	<0.5
Chloroform	<0.1	<0.1	<0.1	<2	<0.1
Chloromethane	<0.5	<0.5	<0.5	<10	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<10	1.5
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<10	<0.5
Dibromochloromethane	<0.5	<0.5	<0.5	<10	<0.5
Dibromomethane	<0.5	<0.5	<0.5	<10	<0.5
Dichlorodifluoromethane (F12)	<0.5	<0.5	<0.5	<10	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<10	<0.5
Hexachlorobutadiene	<0.5	<0.5	<0.5	<10	<0.5
Isopropylbenzene (Cumene)	<0.5	<0.5	<0.5	<10	<0.5
m,p-Xylene	<0.5	<0.5	<0.5	<10	<0.5
Methyl tertiary-butyl ether (MTBE)	<0.5	<0.5	<0.5	<10	<0.5
Methylene chloride (Dichloromethane)	<0.5	<0.5	<0.5	<10	<0.5
Naphthalene	<0.1	<0.1	<0.1	<2	<0.1
n-Butylbenzene	<0.5	<0.5	<0.5	<10	<0.5
n-Propylbenzene	<0.5	<0.5	<0.5	<10	<0.5
o-Xylene	<0.5	<0.5	<0.5	<10	<0.5
p-Isopropyltoluene	<0.5	<0.5	<0.5	<10	<0.5
sec-Butylbenzene	<0.5	<0.5	<0.5	<10	<0.5
Styrene	<0.5	<0.5	<0.5	<10	<0.5
tert-Butylbenzene	<0.5	<0.5	<0.5	<10	<0.5
Tetrachloroethene	<0.1	<0.1	<0.1	590	510
Toluene	<1	<1	<1	<20	<1
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<10	<0.5
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<10	<0.5
Trichloroethene	<0.1	<0.1	<0.1	35	27
Trichlorofluoromethane (F11)	<0.5	<0.5	<0.5	<10	<0.5
Vinyl chloride	<0.05	<0.05	<0.05	<1	<0.05

<: Compound not detected at or above reporting limit. Value shown in the table is the reporting limit (RL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-7
Purgeables (EPA Method 8260B), in ug/L
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Gas Samples at Calabasas Site

	TtSG-3-5	TtSG-4-5	TtSG-1-5'	TtSG-2-5'	TtSG-3-5'
ANALYTE	06/18/2014 11:55:00	06/18/2014 12:58:00	06/03/2015 11:46:00	06/03/2015 11:10:00	06/03/2015 13:23:00
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2 Trichlorotrifluoroethane (F113)	5.8	1.1	<0.5	5.3	5.3
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Difluoroethane (LCC)	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	<5
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane (EDC)	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	<0.5	<0.5	2.72	2.65	2.56
Benzene	<0.1	<0.1	<0.1	<0.1	<0.1
Bromobenzene	<0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroethane	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.1	<0.1	<0.1	0.2	<0.1
Chloromethane	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (F12)	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl tertiary-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloromethane)	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1
n-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
n-Propylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	<0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	5.9	0.82	0.18	190	5.1
Toluene	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.24	0.45	0.24	6.8	<0.1
Trichlorofluoromethane (F11)	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	<0.05	<0.05	<0.05	<0.05	<0.05

<: Compound not detected at or above reporting limit. Value shown in the table is the reporting limit (RL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-7
Purgeables (EPA Method 8260B), in ug/L
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Gas Samples at Calabasas Site

	TtSG-4-5'	TtSG-4-5' Rep	TtSG-5-5', 10PV	TtSG-5-5', 1PV	TtSG-5-5', 3PV
ANALYTE	06/03/2015 15:00:00	06/03/2015 15:01:00	06/03/2015 09:28:00	06/03/2015 08:29:00	06/03/2015 08:52:00
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<2	<0.5	<1
1,1,1-Trichloroethane	<0.5	<0.5	<2	<0.5	<1
1,1,2 Trichlorotrifluoroethane (F113)	<0.5	<0.5	72	62	69
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<2	<0.5	<1
1,1,2-Trichloroethane	<0.5	<0.5	<2	<0.5	<1
1,1-Dichloroethane	<0.5	<0.5	<2	<0.5	<1
1,1-Dichloroethene	<0.5	<0.5	<2	<0.5	<1
1,1-Dichloropropene	<0.5	<0.5	<2	<0.5	<1
1,1-Difluoroethane (LCC)	<0.5	<0.5	<2	<0.5	<1
1,2,3-Trichlorobenzene	<0.5	<0.5	<2	<0.5	<1
1,2,3-Trichloropropane	<0.5	<0.5	<2	<0.5	<1
1,2,4-Trichlorobenzene	<0.5	<0.5	<2	<0.5	<1
1,2,4-Trimethylbenzene	<0.5	<0.5	<2	<0.5	<1
1,2-Dibromo-3-chloropropane	<5	<5	<20	<5	<10
1,2-Dibromoethane (EDB)	<0.5	<0.5	<2	<0.5	<1
1,2-Dichlorobenzene	<0.5	<0.5	<2	<0.5	<1
1,2-Dichloroethane (EDC)	<0.1	<0.1	<0.4	<0.1	<0.2
1,2-Dichloropropane	<0.5	<0.5	<2	<0.5	<1
1,3,5-Trimethylbenzene	<0.5	<0.5	<2	<0.5	<1
1,3-Dichlorobenzene	<0.5	<0.5	<2	<0.5	<1
1,3-Dichloropropane	<0.5	<0.5	<2	<0.5	<1
1,4-Dichlorobenzene	<0.5	<0.5	<2	<0.5	<1
2,2-Dichloropropane	<0.5	<0.5	<2	<0.5	<1
2-Chlorotoluene	<0.5	<0.5	<2	<0.5	<1
4-Chlorotoluene	2.6	2.72	2.69	2.68	2.76
Benzene	<0.1	<0.1	<0.4	<0.1	<0.2
Bromobenzene	<0.5	<0.5	<2	<0.5	<1
Bromochloromethane	<0.5	<0.5	<2	<0.5	<1
Bromodichloromethane	<0.5	<0.5	<2	<0.5	<1
Bromoform	<0.5	<0.5	<2	<0.5	<1
Bromomethane	<0.5	<0.5	<2	<0.5	<1
Carbon tetrachloride	<0.1	<0.1	<0.4	<0.1	<0.2
Chlorobenzene	<0.1	<0.1	<0.4	<0.1	<0.2
Chloroethane	<0.5	<0.5	<2	<0.5	<1
Chloroform	<0.1	<0.1	<0.4	<0.1	<0.2
Chloromethane	<0.5	<0.5	<2	<0.5	<1
cis-1,2-Dichloroethene	<0.5	<0.5	<2	<0.5	<1
cis-1,3-Dichloropropene	<0.5	<0.5	<2	<0.5	<1
Dibromochloromethane	<0.5	<0.5	<2	<0.5	<1
Dibromomethane	<0.5	<0.5	<2	<0.5	<1
Dichlorodifluoromethane (F12)	<0.5	<0.5	<2	<0.5	<1
Ethylbenzene	<0.5	<0.5	<2	<0.5	<1
Hexachlorobutadiene	<0.5	<0.5	<2	<0.5	<1
Isopropylbenzene (Cumene)	<0.5	<0.5	<2	<0.5	<1
m,p-Xylene	<0.5	<0.5	<2	<0.5	<1
Methyl tertiary-butyl ether (MTBE)	<0.5	<0.5	<2	<0.5	<1
Methylene chloride (Dichloromethane)	<0.5	<0.5	<2	<0.5	<1
Naphthalene	<0.1	<0.1	<0.4	<0.1	<0.2
n-Butylbenzene	<0.5	<0.5	<2	<0.5	<1
n-Propylbenzene	<0.5	<0.5	<2	<0.5	<1
o-Xylene	<0.5	<0.5	<2	<0.5	<1
p-Isopropyltoluene	<0.5	<0.5	<2	<0.5	<1
sec-Butylbenzene	<0.5	<0.5	<2	<0.5	<1
Styrene	<0.5	<0.5	<2	<0.5	<1
tert-Butylbenzene	<0.5	<0.5	<2	<0.5	<1
Tetrachloroethene	0.21	0.18	220	170	180
Toluene	<1	<1	<4	<1	<2
trans-1,2-Dichloroethene	<0.5	<0.5	<2	<0.5	<1
trans-1,3-Dichloropropene	<0.5	<0.5	<2	<0.5	<1
Trichloroethene	<0.1	<0.1	16	15	15
Trichlorofluoromethane (F11)	<0.5	<0.5	<2	<0.5	<1
Vinyl chloride	<0.05	<0.05	<0.2	<0.05	<0.1

<: Compound not detected at or above reporting limit. Value shown in the table is the reporting limit (RL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-7
Purgeables (EPA Method 8260B), in ug/L
Former Rantec Microwave, Inc. Site, Calabasas, CA
Soil Gas Samples at Calabasas Site

	TtSG-6-5'	TtSG-7-5'	TtSG-8-5'	TtSG-8-15'
ANALYTE	06/03/2015 10:28:00	06/03/2015 13:23:00	06/03/2015 13:02:00	06/03/2015 13:04:00
1,1,1,2-Tetrachloroethane	<1	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	<1	<0.5	<0.5	<0.5
1,1,2 Trichlorotrifluoroethane (F113)	22	23	10	37
1,1,2,2-Tetrachloroethane	<1	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<1	<0.5	<0.5	<0.5
1,1-Dichloroethane	<1	<0.5	<0.5	<0.5
1,1-Dichloroethene	<1	<0.5	<0.5	<0.5
1,1-Dichloropropene	<1	<0.5	<0.5	<0.5
1,1-Difluoroethane (LCC)	<1	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	<1	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	<1	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	<1	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	<1	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane	<10	<5	<5	<5
1,2-Dibromoethane (EDB)	<1	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	<1	<0.5	<0.5	<0.5
1,2-Dichloroethane (EDC)	<0.2	<0.1	<0.1	<0.1
1,2-Dichloropropane	<1	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	<1	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	<1	<0.5	<0.5	<0.5
1,3-Dichloropropane	<1	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<1	<0.5	<0.5	<0.5
2,2-Dichloropropane	<1	<0.5	<0.5	<0.5
2-Chlorotoluene	<1	<0.5	<0.5	<0.5
4-Chlorotoluene	2.64	2.66	2.59	2.51
Benzene	<0.2	<0.1	<0.1	<0.1
Bromobenzene	<1	<0.5	<0.5	<0.5
Bromochloromethane	<1	<0.5	<0.5	<0.5
Bromodichloromethane	<1	<0.5	<0.5	<0.5
Bromoform	<1	<0.5	<0.5	<0.5
Bromomethane	<1	<0.5	<0.5	<0.5
Carbon tetrachloride	<0.2	<0.1	<0.1	<0.1
Chlorobenzene	<0.2	<0.1	<0.1	<0.1
Chloroethane	<1	<0.5	<0.5	<0.5
Chloroform	<0.2	<0.1	<0.1	<0.1
Chloromethane	<1	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<1	0.67	<0.5	<0.5
cis-1,3-Dichloropropene	<1	<0.5	<0.5	<0.5
Dibromochloromethane	<1	<0.5	<0.5	<0.5
Dibromomethane	<1	<0.5	<0.5	<0.5
Dichlorodifluoromethane (F12)	<1	<0.5	<0.5	<0.5
Ethylbenzene	<1	<0.5	<0.5	<0.5
Hexachlorobutadiene	<1	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	<1	<0.5	<0.5	<0.5
m,p-Xylene	<1	<0.5	<0.5	<0.5
Methyl tertiary-butyl ether (MTBE)	<1	<0.5	<0.5	<0.5
Methylene chloride (Dichloromethane)	<1	<0.5	<0.5	<0.5
Naphthalene	<0.2	<0.1	<0.1	<0.1
n-Butylbenzene	<1	<0.5	<0.5	<0.5
n-Propylbenzene	<1	<0.5	<0.5	<0.5
o-Xylene	<1	<0.5	<0.5	<0.5
p-Isopropyltoluene	<1	<0.5	<0.5	<0.5
sec-Butylbenzene	<1	<0.5	<0.5	<0.5
Styrene	<1	<0.5	<0.5	<0.5
tert-Butylbenzene	<1	<0.5	<0.5	<0.5
Tetrachloroethene	39	1.6	6.1	13
Toluene	<2	<1	<1	<1
trans-1,2-Dichloroethene	<1	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<1	<0.5	<0.5	<0.5
Trichloroethene	65	4	0.3	0.3
Trichlorofluoromethane (F11)	<1	<0.5	<0.5	<0.5
Vinyl chloride	<0.1	0.21	<0.05	<0.05

<: Compound not detected at or above reporting limit. Value shown in the table is the reporting limit (RL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-8

Purgeables (EPA Method 8260B), in ug/L

Groundwater Samples at Calabasas Site

ANALYTE	TtMW-1	TtMW-1-D	TtMW-2	TtMW-3	TtMW-4	TtMW-5	TTMW-1	TTMW-2	TTMW-3	TTMW-4	TTMW-4-D	TTMW-5	TTMW-6
	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14	6/4/2015	6/4/2015	6/4/2015	6/4/2015	6/4/2015	6/4/2015	6/4/2015
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<0.5	<0.5	1.06	<0.5	<0.5	<0.5	<0.5	1.16	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DBCP)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane (EDC)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Butanone (MEK)	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Chloroethyl vinyl ether	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Methyl-2-pentanone (MIBK)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromobenzene (Phenyl bromide)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	1.68	<0.5	<0.5	0.99	<0.5	<0.5	<0.5	<0.5	0.690J	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	3.92	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane (Methyl bromide)	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Carbon Disulfide	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Chloroform (Trichloromethane)	2.33	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane (Methyl chloride)	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
cis-1,2-Dichloroethene	1.4	<0.5	<0.5	7.57	0.71	<0.5	<0.5	<0.5	14.4	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	4.45	<0.5	<0.5	<0.5	0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Iodomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride (DCM)	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl-tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
n-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
n-Propylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	4.98	<0.5	<0.5	56.3	4.68	<0.5	<0.5	<0.5	40.2	<0.5	<0.5	<0.5	<0.5
Toluene (Methyl benzene)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	0.740J	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	18.3	0.85	<0.5	95.2	31.6	<0.5	0.900J	<0.5	62.8	0.630J	0.700J	<0.5	<0.5
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon-113)	3.33	<0.5	<0.5	44.6	3.25	<0.5	<0.5	<0.5	23.6	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride (Chloroethene)	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5	<0.5	4.74	<0.5	<0.5	<0.5	<0.5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-9

Semi-Purgeables (EPA Method 8270C), in ug/L

Groundwater Samples at Calabasas Site

ANALYTE	TtMW-1	TtMW-1-D	TtMW-2	TtMW-3	TtMW-4	TtMW-5
	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14	17-Jun-14
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5
1,2-Diphenylhydrazine	<5	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	<5	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5
2,4,5-Trichlorophenol	<5	<5	<5	<5	<5	<5
2,4,6-Trichlorophenol	<5	<5	<5	<5	<5	<5
2,4-Dichlorophenol	<5	<5	<5	<5	<5	<5
2,4-Dimethylphenol	<5	<5	<5	<5	<5	<5
2,4-Dinitrophenol	<5	<5	<5	<5	<5	<5
2,4-Dinitrotoluene	<5	<5	<5	<5	<5	<5
2,6-Dinitrotoluene (2,6-DNT)	<5	<5	<5	<5	<5	<5
2-Chloronaphthalene	<5	<5	<5	<5	<5	<5
2-Chlorophenol	<5	<5	<5	<5	<5	<5
2-Methylnaphthalene	<5	<5	<5	<5	<5	<5
2-Methylphenol (2-Cresol)	<5	<5	<5	<5	<5	<5
2-Nitroaniline	<5	<5	<5	<5	<5	<5
2-Nitrophenol (o-Nitrophenol)	<5	<5	<5	<5	<5	<5
3,3'-Dichlorobenzidine	<5	<5	<5	<5	<5	<5
3-Methylphenol (3-Cresol)	<5	<5	<5	<5	<5	<5
3-Nitroaniline	<5	<5	<5	<5	<5	<5
4,6-Dinitro-2-methylphenol	<5	<5	<5	<5	<5	<5
4-Bromophenyl phenyl ether	<5	<5	<5	<5	<5	<5
4-Chloro-3-methylphenol	<5	<5	<5	<5	<5	<5
4-Chloroaniline	<5	<5	<5	<5	<5	<5
4-Chlorophenyl phenyl ether	<5	<5	<5	<5	<5	<5
4-Methylphenol	<5	<5	<5	<5	<5	<5
4-Nitroaniline	<5	<5	<5	<5	<5	<5
4-Nitrophenol	<5	<5	<5	<5	<5	<5
Acenaphthene	<5	<5	<5	<5	<5	<5
Acenaphthylene	<5	<5	<5	<5	<5	<5
Anthracene	<5	<5	<5	<5	<5	<5
Azobenzene	<5	<5	<5	<5	<5	<5
Benzidine	<5	<5	<5	<5	<5	<5
Benzo(a)anthracene	<5	<5	<5	<5	<5	<5
Benzo(a)pyrene	<5	<5	<5	<5	<5	<5
Benzo(b)fluoranthene	<5	<5	<5	<5	<5	<5
Benzo(g,h,i)perylene	<5	<5	<5	<5	<5	<5
Benzo(k)fluoranthene	<5	<5	<5	<5	<5	<5
Benzoic Acid	<5	<5	<5	<5	<5	<5
Benzyl Alcohol	<5	<5	<5	<5	<5	<5
Bis(2-Chloroethoxy)methane	<5	<5	<5	<5	<5	<5
Bis(2-Chloroethyl)ether	<5	<5	<5	<5	<5	<5
Bis(2-chloroisopropyl) ether	<5	<5	<5	<5	<5	<5
Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5	<5	<5
Butyl benzyl phthalate	<5	<5	<5	<5	<5	<5
Chrysene	<5	<5	<5	<5	<5	<5
Dibenzo(a,h)anthracene	<5	<5	<5	<5	<5	<5
Dibenzofuran	<5	<5	<5	<5	<5	<5
Diethyl phthalate (Diethyl ester)	<5	<5	<5	<5	<5	<5
Dimethyl phthalate (Dimethyl ester)	<5	<5	<5	<5	<5	<5
Di-n-butyl phthalate	<5	<5	<5	<5	<5	<5
Di-n-octyl phthalate (Dioctyl ester)	<5	<5	<5	<5	<5	<5
Fluoranthene	<5	<5	<5	<5	<5	<5
Fluorene	<5	<5	<5	<5	<5	<5
Hexachlorobenzene	<5	<5	<5	<5	<5	<5
Hexachlorobutadiene	<5	<5	<5	<5	<5	<5
Hexachlorocyclopentadiene	<5	<5	<5	<5	<5	<5
Hexachloroethane	<5	<5	<5	<5	<5	<5
Indeno(1,2,3-cd)pyrene	<5	<5	<5	<5	<5	<5
Isophorone	<5	<5	<5	<5	<5	<5
Naphthalene	<5	<5	<5	<5	<5	<5
Nitrobenzene (NB)	<5	<5	<5	<5	<5	<5
N-Nitrosodimethylamine	<5	<5	<5	<5	<5	<5
N-Nitroso-Di-n-propylamine	<5	<5	<5	<5	<5	<5
N-nitrosodiphenylamine	<5	<5	<5	<5	<5	<5
Pentachlorophenol	<5	<5	<5	<5	<5	<5
Phenanthrene	<5	<5	<5	<5	<5	<5
Phenol	<5	<5	<5	<5	<5	<5
Pyrene	<5	<5	<5	<5	<5	<5

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 4-10
Metal (EPA Method 6010/7000CAM), in mg/L

Groundwater Samples at Calabasas Site

Sample ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury (EPA 7470)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
		1.0	1.0	2.5	1.3	1.3	2.5	2.5	2.5	2.5	0.1	2.5	2.5	1.0	2.5	1.0	2.5	2.5	***MDL***
		5.0	5.0	5.0	2.5	2.5	5.0	5.0	5.0	5.0	0.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	***PQL***
CA Maximum Contaminant Level		0.006	0.010	2	0.004	0.005	0.100	NE	1.3	0.015	0.002	NE	NE	0.050	NE	0.002	NE	NE	
USEPA Region 9 Tapwater RSL		0.0078	0.000052	3.8	0.025	0.0092	NE	0.006	0.800	0.015	0.0057	0.100	0.390	0.100	0.094	0.0002	0.086	0.006	
TtMW-1	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0264	0.0132	<0.05	<0.01	<0.05	<0.03	<0.01	
TtMW-1-D	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0255	0.0133	<0.05	<0.01	<0.05	<0.03	<0.01	
TtMW-2	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0459	0.012	<0.05	<0.01	<0.05	<0.03	<0.01	
TtMW-3	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	0.041	<0.01	<0.05	<0.001	0.145	0.0631	<0.05	<0.01	<0.05	<0.03	0.0761	
TtMW-4	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0907	<0.01	<0.05	<0.01	<0.05	<0.03	<0.01	
TtMW-5	17-Jun-14	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.12	0.0192	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-1	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0165J	<0.01	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-2	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0179J	<0.01	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-3	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	0.0429J	<0.01	<0.05	<0.001	0.165	0.0486J	<0.05	<0.01	<0.05	<0.03	0.0866	
TTMW-4	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	<0.01	<0.01	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-4-D	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	<0.01	<0.01	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-5	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.0905	0.0149J	<0.05	<0.01	<0.05	<0.03	<0.01	
TTMW-6	6/4/2015	<0.05	<0.05	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.001	0.187	0.0923	<0.05	<0.01	<0.05	<0.03	<0.01	
MCL (mg/L)		0.006	0.01	2	0.004	0.0058	0.1	NE	1.3	0.015	0.002	NE	NE	0.05	NE	0.002	NE	NE	

Source: USEPA Region 9 "Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ = 1) January 2015.

TABLE 4-11
Chromium VI analysis (method 7199), in ug/L

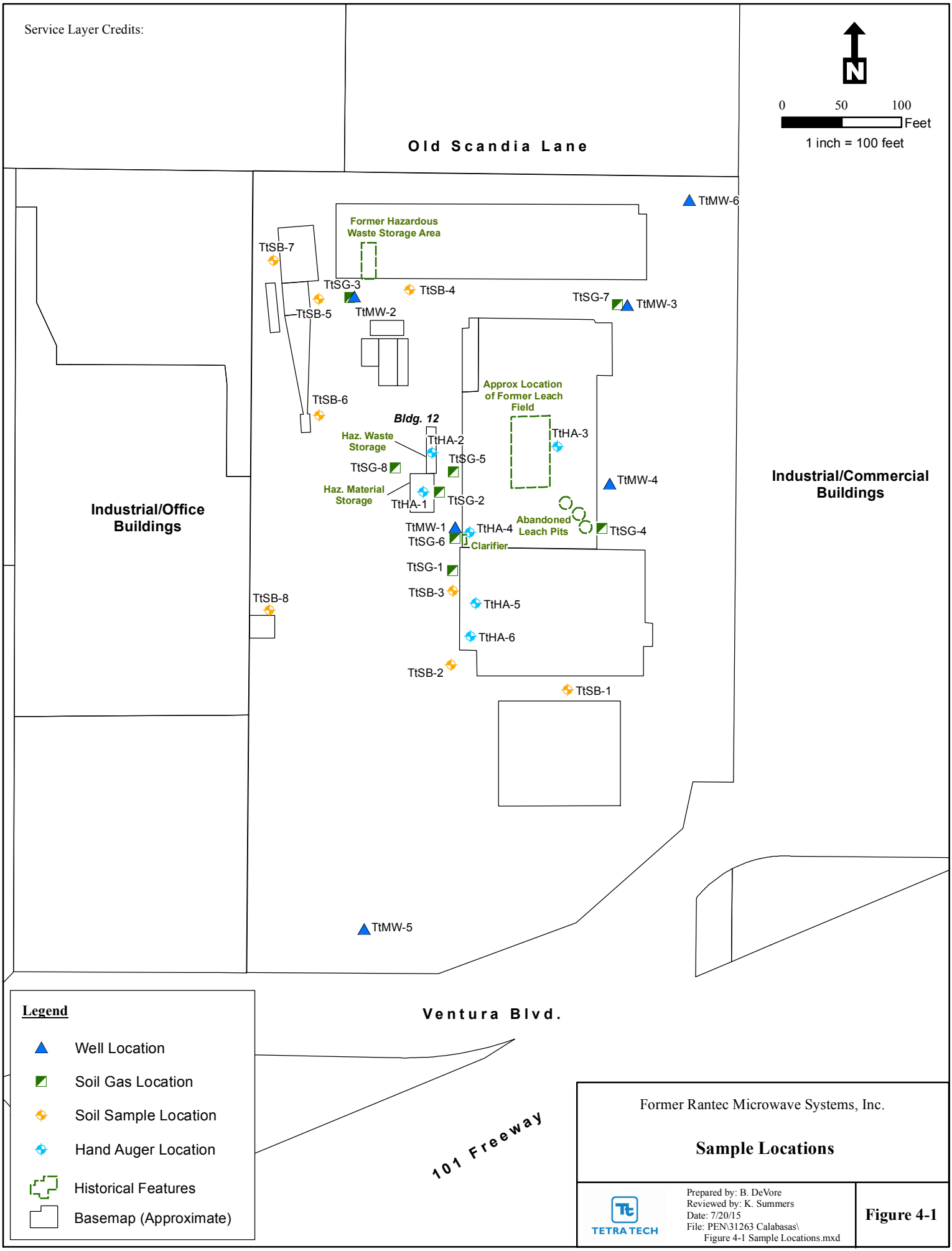
Groundwater Samples at Calabasas Site

Sample ID	Date	PQL	MDL	Chromium (VI) 7199
TtMW-1	17-Jun-14	2.0	2.0	<2.0
TtMW-1-D	17-Jun-14	2.0	2.0	<2.0
TtMW-2	17-Jun-14	2.0	2.0	<2.0
TtMW-3	17-Jun-14	2.0	2.0	<2.0
TtMW-4	17-Jun-14	2.0	2.0	<2.0
TtMW-5	17-Jun-14	2.0	2.0	<2.0
TTMW-1	6/4/2015	2.0	2.0	<2.0
TTMW-2	6/4/2015	2.0	2.0	<2.0
TTMW-3	6/4/2015	2.0	2.0	<2.0
TTMW-4	6/4/2015	2.0	2.0	<2.0
TTMW-4-D	6/4/2015	2.0	2.0	<2.0
TTMW-5	6/4/2015	2.0	2.0	<2.0
TTMW-6	6/4/2015	2.0	2.0	<2.0

TABLE 4-12
Total Petroleum Hydrocarbons (TPH)

Groundwater Samples at Calabasas Site

			TPH (M8015G), in **mg/L**	TPH (M8015D), in **mg/L**		
	Sample Number	Date	TPH as Gasoline and Light HC. (C4-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)	TPH Total as Diesel and Heavy HC.C13-C40
MDL			0.005	0.1	0.1	0.1
PQL			0.01	0.5	0.5	0.5
	TtMW-1	17-Jun-14	<0.005	<0.1	<0.1	<0.1
	TtMW-1-D	17-Jun-14	<0.005	<0.1	<0.1	<0.1
	TtMW-2	17-Jun-14	<0.005	<0.1	<0.1	<0.1
	TtMW-3	17-Jun-14	0.0501	<0.1	<0.1	<0.1
	TtMW-4	17-Jun-14	<0.005	<0.1	<0.1	<0.1
	TtMW-5	17-Jun-14	<0.005	<0.1	<0.1	<0.1
	TTMW-1	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-2	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-3	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-4	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-4-D	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-5	6/4/2015	<0.005	<0.1	<0.1	<0.1
	TTMW-6	6/4/2015	<0.005	<0.1	<0.1	<0.1



Former Rantec Microwave Systems, Inc.

Sample Locations

TETRA TECH

Prepared by: B. DeVore
Reviewed by: K. Summers
Date: 7/20/15
File: PEN\31263 Calabasas\
Figure 4-1 Sample Locations.mxd

Figure 4-1

5. NATURE AND EXTENT OF CONTAMINATION

Tetra Tech performed a Supplemental Site Investigation (SSI) of the Site in general accordance with the scope of work of our SSI Workplan [Tetra Tech, 2014]. The supplemental site investigations (SSI) field work in 2014 and 2015 consisted of drilling 8 soil borings, 6 hand auger borings, and 6 well borings; subsurface soil sampling; installation of 6 groundwater monitoring wells; well development, followed later by purging and groundwater sampling; installation of 8 dual-nested vapor probes; and in-situ collection and mobile laboratory analysis of soil gas samples from the vapor probes (Figure 4-1). Two of the soil borings were advanced and sampled using a Geoprobe® direct-push drill rig. The remainder of the soil borings and the 6 well borings were drilled and sampled using hollow-stem auger drill rig. The purpose of this SSI was to evaluate the following areas:

- Former waste discharge to the cesspool and abandoned leach pits and leach field in Building #9;
- Former hazardous waste storage area adjacent to Building #10;
- Staining beneath the lapping machine in Building #9;
- Potential storage of hazardous materials in Building #12 (the chemical storage bunker);
- Industrial wastewater pretreatment system (clarifier & sump) adjacent west of Building #9;
- Building #10, the former test chamber;
- Upper Range Utility Building #8; and
- Building #5, southern one-third of the L-shaped building (former pre-treatment AST area).

The additional field investigation was conducted in May-June 2015. The purpose of this additional investigation was to sample in and around the areas identified as previous data gaps in the 2014 SSI investigation. The location for the new groundwater monitoring Well TtMW-6 is approximately 105 feet downgradient (to the north-northeast) of Well TtMW-3 in the traveled way of Old Scandia Lane where it makes a 90 degree turn. TtMW-6 was installed to determine whether VOCs were present.

Three nested soil gas probes (TtSG-5, TtSG-6, and TtSG-8) were installed to surround the only location (TtSG-2) where elevated TCE and PCE soil gas concentrations were found when sampled in June 2014 as part of the SSI. The fourth nested soil gas probe (TtSG-7) was located adjacent to Well TtMW-3. Groundwater samples collected from this well in 2014 during the SSI contained the highest concentrations of TCE, PCE, and vinyl chloride. Further soil gas investigation was performed to evaluate any potential for soil gas off gassing from the capillary fringe of the water table aquifer with possible vapor migration into the nearby New Self-storage Building. Both the well and soil gas probe locations are proximal to the only portion of the Building that is continually occupied (e.g., the office).

This section presents the results of the SSI performed in 2014 and 2015. Local hydrostratigraphic conditions encountered in the soil borings are discussed first, followed by analytical results for environmental media (soil, soil gas, and groundwater).

5.1 LOCAL HYDROSTRATIGRAPHIC CONDITIONS

Logs of soil borings and well borings are presented in Appendix B. Based on the boring logs, shallow soils (to a depth of 1 to as much as 7 feet bgs) consist of sandy silt with varying amounts of gravel, poorly graded gravel with sand, clayey sand, and sandy clay, which may be alluvium or artificial fill. Soils encountered at greater depth consisted of hard, brown to olive brown, and very dark grayish brown to very dark gray sandy silt or silt with sand to the maximum depth of exploration (56.3 feet bgs in boring TtMW-1).

Groundwater is tightly held across the Site. Groundwater was first encountered at depths ranging from 20 to 27 feet bgs in the well borings. In well boring TtMW-1, groundwater appeared to be dry to 56.3 feet bgs, but when it was left overnight, groundwater was found pooled at the base of the boring and a saturated zone was identified at 20 feet bgs. Similarly, well boring TtMW-4 appeared to be dry to 41.5 feet bgs when the boring was first advanced; but overnight, groundwater accumulated at the base of the boring and a saturated zone was identified at 22 feet bgs. Groundwater was encountered at 27 feet bgs in boring TtMW-5, but it rose to approximately 1.3 feet bgs after the well was installed and developed. Groundwater appears to be under confining conditions across the Site, with pressure heads typically ranging from 11 to 13 feet bgs.

Groundwater gauging of the newly-developed monitoring wells was completed on June 17, 2014 and showed that the groundwater is under confined conditions. Water levels in the well casings (pressure heads) ranged from 1.1 feet below top of casing (BTOC) in TtMW-5 to 13.33 feet BTOC in TtMW-3. Pressure heads in the other three wells (TtMW-1, TtMW-3, and TtMW-4) ranged from 11.13 feet BTOC to 11.51 feet BTOC. As shown on Figure 5-1, groundwater elevations ranged from 959.38 feet above mean sea level (AMSL) to 942.70 feet AMSL.

During the June 4, 2015 sampling, the groundwater elevations were similar, ranging from 953.86 feet above mean sea level (AMSL) in TtMW-5 to 943.08 in TtMW-6. The depth to water in TtMW-6, when first measured after drilling, was 23 feet, but after development the water level rose to a depth of about 9.1 feet, indicating confined conditions were also present in this new well.

Groundwater flow direction is to the northeast across the Site (based on the potentiometric surface map for June 17, 2014; refer to Figure 5-1) at a hydraulic gradient of 0.040 foot/foot. The flow direction was similar using data for the 6 wells with a gradient of 0.029 foot/foot in June 2015 (Figure 5-2).

5.2 ANALYTICAL RESULTS

The following discussion on the nature and extent of contamination is based on both analytical results and field observations. The chemical data for all soil samples have been presented in a series of tables, as follows:

The results of soil, soil gas, and groundwater samples are listed in Tables 4-1 to 4-12 in Section 4. The analytical testing program is summarized in Table 4-1. Tables 4-2 through 4-6 show the results of VOCs (purgeables), SVOCs, metals (Title 22 CAM 17 metals), chromium VI metal,

and total petroleum hydrocarbons (TPH measured as gasoline, diesel, and heavier hydrocarbons) in the soil samples, respectively. Table 4-7 shows the results of VOCs (purgeables) in the soil gas samples. Tables 4-8 through 4-12 show the results of VOCs (purgeables), SVOCs, metal (Title 22 CAM 17 metals), chromium VI metal, and total petroleum hydrocarbons (TPH measured as gasoline, diesel, and heavier hydrocarbons) in the groundwater samples, respectively. The laboratory data sheets are included in Appendix C (only in electronic format).

Chemicals Detected

Chemicals detected in soil include: tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (one sample), benzene, carbon disulfide (one sample), ethylbenzene, toluene, xylene (one sample), chromium VI, lead (one location), arsenic, and TPHs. Several other metals were also detected including (chromium, cobalt, copper, molybdenum, nickel, vanadium, and zinc). No SVOCs were detected in soil.

Chemicals detected in soil gas included: PCE, TCE, and trichlorotrifluoroethane (Freon-113).

Chemicals detected in groundwater included: PCE, TCE, 1,1-dichloroethene (one sample), bromodichloromethane, broomcorn (tribromomethane), chloroform, cis-1,2-dichloroethene, dibromochloromethane, trans-1,2-Dichloroethene, trichlorotrifluoroethane (Freon-113), and vinyl chloride (one sample). No chromium VI, no SVOCs, and no TPHs were detected in groundwater. All the groundwater samples had detected molybdenum, but Well TtMW-3 had other metals (cobalt, nickel, and zinc) and TtMW-6 also had nickel. These metals do not have MCLs. It should be noted that the water samples were analyzed for total metals and not for dissolved metals.

5.3 SCREENING LEVELS

Chemicals detected in soil, soil gas, and groundwater were compared to the residential and industrial Regional Screening Levels (RSLs) established by United States Environmental Protection Agency (USEPA) Region 9, dated January 2015 [USEPA Region 9, 2015. USEPA RSLs are human health risk-based soil, air, or water concentrations developed to be protective of residential or commercial land use. USEPA RSLs are developed based on a target risk level of $1x10^{-6}$ (i.e., one in a million) for carcinogenic effects or a target hazard index (HI) of 1 for non-carcinogenic effects. The USEPA soil RSLs protective of groundwater used in this evaluation were derived by USEPA to be protective of chemicals migrating from soil to groundwater and are based on protection of chemical-specific maximum contaminant levels (MCLs). The screening levels shown in Table 5-1 are based on a dilution factor of 1 and not the EPA allowed default dilution factor of 20.

Table 5-1 summarizes the RSLs for soil, soil gas, and groundwater under residential (i.e., unrestricted land use) or industrial land use. The units in Table 5-1 have been modified (e.g., from mg/kg to µg/kg) to match the units in Tables 4-2 to 4-12 to make comparison easier. The USEPA air RSLs in Table 5-1 were used to develop residential and industrial soil gas risk-based screening levels (RBSLs) in accordance with DTSC guidelines [DTSC 2011 and 2015]. For this evaluation, soil gas RBSLs were developed based on a target risk level of $1x10^{-6}$ for the residential scenario and a target risk level of $1x10^{-5}$ for the industrial scenario for carcinogenic

effects (see Appendix D). For non-carcinogenic effects, the residential and industrial soil gas RBSLs were developed based on a target HI of 1.

There is no soil RSL established for TPHs. The concentration of TPHs in soil is compared to the 1996 RWQCB guidelines [Table 4-1- Maximum Soil Screening Levels (mg/kg) for TPH and BTEX above Drinking Water Aquifers – a copy in included at the end of Section 5]. A copy of 1996 RWQCB Table 4-1 has been included at the end of Section 5 for reference.

It should be noted that the RSLs are not intended to be remedial goals and they are for preliminary comparison of data. If necessary, site-specific risk-based remedial goals can be established by depth intervals to compare the data with, and determine if, there are true site-specific exceedances that need to be addressed. A cursory comparison of the data with RSLs is provided in the following section.

5.4 COMPARISON OF CHEMICAL CONCENTRATIONS TO RSLs

In this section the concentration of chemicals found in each media is compared to the appropriate soil, air, or groundwater RSLs to determine if there are any exceedances of chemicals at the Site.

5.4.1 Comparison of Soil Concentrations to Soil RSLs and Soil RSLs Protective of Groundwater

All areas of recognized environmental conditions were investigated except the former lapping machine area, the former location of abandoned leach pits, and the former location of leach field. These areas are within the current Self Storage Building #9 that limits the access by drilling equipment.

The analytical results of soil samples are compared to: 1) industrial or residential soil RSLs (Table 5-2), and 2) RSLs protective of groundwater (Tables 4-2 to 4-6, and Figure 5-3).

VOCs: The analytical results of VOCs in soil samples (Table 4-2) indicate that none of the concentrations exceed the industrial or residential soil RSLs. However, PCE and/or TCE exceed their Soil RSL protective of groundwater at eleven locations (TtMW-1, TtMW-2, TtMW-3, TtMW-4, TtHA-1, TtHA-3, TtSG-4, TtSG-5, TtSG-6, TtSG-7 and TtSG-8) in the upper 20 feet (Table 4-2). There were no VOCs detected in soil from TtMW-6. In addition, benzene exceeds its Soil RSL protective of groundwater in two locations (TtSB-5 and TtSG-4) in the upper 15 feet by a small amount (using a DAF of 1, but not using a DAF of 20).

It should be noted that the Soil RSLs protective of groundwater are based on a Dilution Attenuation Factor (DAF) of 1, and thus do not include the change in concentration when the pore water from the unsaturated zone mixes with the underlying groundwater. DAF of 1 assumes that there is no mixing of pore water and ambient groundwater. The EPA default value for DAF is 20; which means that the concentrations of chemicals in groundwater would be expected to be 20 times less when compared to Soil RSLs for protection of groundwater. The higher dilution factor of 20 has not been applied in our comparisons shown on Table 5-2, but the higher DAF of 20 has been used for the comparison shown on Figure 5-3.

The analytical results of soil samples in accessible areas (summarized in Tables 4-2 through 4-6), collected at depths of 5, 10, 15 and 20 feet bgs, indicate that COPCs are at generally low concentrations. When the soil concentrations are compared to the industrial or residential RSLs, they are lower than the industrial soil and residential soil RSLs but they exceed the soil RSLs protective of groundwater based on MCL (refer to Figure 5-3 for June 2014 and June 2015 and Table 5-2 for soil sample exceedances). There are four locations where PCE exceeds the soil RSL protective of groundwater and five locations where TCE exceeds. The other VOCs including benzene and cis-1,2-DCE did not exceed the RSLs to protect groundwater using a DAF of 20.

SVOCs: There are no detections of SVOCs in soil samples (Table 4-3).

Metals: The only metal that its concentration exceeds Soil RSL is arsenic (Table 4-4). In the upper 10 feet of soil, arsenic samples only exceed Soil RSL at four locations (TtHA-2, TtHA-3, TtSG-4, and TtMW-1). Several metals exceed Soil RSLs protective of groundwater (Table 4-4). The metals detected in soil are all considered to be naturally occurring, since the past operations onsite did not involve using any metals (except processing aluminum parts).

The metal concentrations were also compared to the 1996 Kearney Foundation report, titled "Background Concentrations of Trace and Major Elements in California Soils" (Table 5-3). Arsenic, molybdenum, and lead are the only 3 metals detected in the upper 10 feet that exceed the California background levels. Barium and lead do not exceed their Residential and Industrial Soil RSLs.

Arsenic was encountered at four locations (TtHA-2, TtHA-3, TtSG-4, and TtMW-1), at concentrations exceeding residential or industrial soil RSLs. Only at one location (TtHA-3 at 10 feet), the concentration of arsenic (14.1 mg/kg) is above the maximum California background soils (11.0 mg/kg). Arsenic was not detected in groundwater exceeding its MCL.

None of the metals were detected in groundwater exceeding their respective MCLs.

Chromium VI: Chromium VI does not exceed the industrial Soil RSL (Table 4-5), but exceeds the residential Soil RSL in 11 samples (5 samples in the upper 10 feet). There is no established SSL for chromium VI protective of groundwater based on MCL. Chromium VI has not been detected in groundwater at the Site.

TPHs: TPH concentrations in soil are all below the 1996 RWQCB Table 4-1 guidelines. The detected TPHs in soil are low in concentrations. No TPHs have been detected in groundwater.

5.4.2 Comparison of Soil Gas Concentrations to Soil Gas RBSLs

The chemical data for all of the soil gas samples have been presented in Table 4-7, which shows the results of VOCs (purgeables) using USEPA Method 8260B. The laboratory data sheets are included in Appendix C (electronic format only). All of the soil gas samples were collected from the 5-foot probes. Soil conditions at 15 feet bgs were too tight to allow for soil gas sampling in the 2014 samples, as described in Section 4, but were sampled at 15 feet in TtSG-8 in 2015.

PCE and TCE were detected at three probe locations (TtSG-2, TtSG-3, and TtSG-4) in 2014 as shown in Table 4-7, and at TtSG-2 and the four new locations in June 2015. The PCE concentrations in TtSG-2 decreased substantially from 590 ug/L in 2014 to 190 ug/L in 2015. The TCE concentrations in TtSG-2 also decreased from 35 ug/L in 2014 to 6.8 ug/L in 2015.

The soil gas screening levels used in this evaluation are developed using USEPA RSLs for ambient air (Table 5-1) and applying a site-specific soil gas attenuation factor developed using the Johnson and Ettinger model in accordance with the DTSC Vapor Intrusion Guidance [DTSC 2011] and Human Health Risk Assessment (HHRA) Note Number 3 [DTSC 2015]. The residential and industrial soil gas attenuation factors are summarized in Table D-2, respectively. The methodology and parameters used in the modeling are presented in Appendix D.

Using the approach above, the PCE and/or TCE soil gas concentrations exceed residential RBSLs in six locations at a depth of 5 feet, as shown on Table 5-4. TtSG-2 (both the sample and the duplicate) are located 5 feet east of the former hazardous materials storage building (Building 12). The other locations were TtSG-3, TtSG-5, TtSG-6, TtSG-7, and TtSG-8, which had exceedances of PCE at 5 feet for the residential RBSL (Table 5-4). TtSG-8 had an exceedance only of the residential RBSL for PCE at a depth of 15 feet. There was only one exceedance of the residential RSL for vinyl chloride in TtSG-7 at 5 feet. Similarly, there was one exceedance of the residential RBSL for chloroform in TtSG-2 at 5 feet. The other chemical detected in soil gas samples is Freon 113 with concentrations below the residential RBSLs for soil gas.

PCE and TCE in soil gas exceeded the industrial soil gas RBSLs. PCE exceeded industrial soil gas RBSL at two sampling locations (TtSG-2 and TtSG-5) at 5 feet and TCE exceeded the industrial RBSL at one sampling location (TtSG-6) at 5 feet as shown in Figure 5-4b.

As shown on Figure 5-4a, PCE, TCE, and vinyl chloride in soil gas exceeded the residential (i.e., unrestricted land use) soil gas RBSLs. PCE exceeded residential soil gas RBSL at six sampling locations (TtSG-2, TtSG-3, TtSG-5, TtSG-6, and TtSG-7) at 5 feet and TtSG-8 at 5 and 15 feet. TCE exceeded the residential RBSL at four sampling location (TtSG-2, TtSG-5, TtSG-6, and TtSG-7) at 5 feet. Vinyl chloride in soil gas exceeded residential RBSLs at one location TtSG-7 at 5 feet.

5.4.3 Comparison of Groundwater Concentrations to Tapwater RSLs and MCLs

The chemical data for all the groundwater samples have been presented in Tables 4-8 to 4-12. The chemicals detected in groundwater have been compared to: 1) tapwater RSLs (which apply to potable water sources), and 2) MCLs. In general the tapwater RSLs are lower than MCLs. If a chemical has both MCL and tapwater RSL, the MCL is the controlling screening level.

All chemical concentrations in groundwater samples are below MCLs except for PCE, TCE, and vinyl chloride. There are three other chemicals (bromodichloromethane, chloroform, and dibromochloromethane) that are below their MCLs but exceed their tapwater RSLs[1] for

1 The Tapwater RSLs are based on a Dilution Attenuation Factor (DAF) of 1, and thus do not include the change in concentration when the pore water from the unsaturated zone mixes with the underlying groundwater. In addition, the Tapwater RSL values for

residential sites but not for commercial/industrial sites (Table 5-5). Since PCE, TCE, and vinyl chloride have MCLs that are exceeded in one or more wells, these are the chemicals of concern.

There are two metals (cobalt and molybdenum) where their concentrations exceed the Tapwater RSLs in the groundwater; these metal concentrations in groundwater samples are believed to be from suspended solids in the groundwater samples. The water samples were collected unfiltered.

Figure 5-1 shows the wells with exceedances over MCLs sampled in 2014. The MCL exceedances for PCE and vinyl chloride are only in Well TtMW-3. Wells TtMW-1 and TTMW-4 have MCL exceedances for TCE only. The downgradient Well_TtMW-3 is the well with the highest concentration of PCE (56.3 µg/L), TCE (95.2 µg/L), and vinyl chloride (5.9 µg/L). It seems that groundwater quality degrades as it crosses the central portion of the Site (Figure 5-1). The presence of PCE degradation products TCE, cis-1,2-DCE, and vinyl chloride at TtMW-3 suggests that biodegradation has been occurring in the groundwater. Figure 5-2 shows the exceedances sampled in 2015. The new downgradient well TtMW-6 had no detected VOCs in the groundwater in 2015.

The upgradient well, TtMW-5, has no exceedances in 2014 or 2015. Also, Well TtMW-2 which is located near the former hazardous waste storage area at the southeast-end of the new Self-storage Building has no exceedances.

---

carcinogenic compounds are based on a cancer risk level of 10^{-6} (i.e., one in a million), whereas for a commercial/industrial site (i.e., our subject site) a cancer risk level of 10^{-5} is allowed for commercial/industrial workers, if they were drinking the onsite groundwater. Consequently, the Tapwater RSL values applicable to this commercial/ industrial Site would then be 10 times higher than those listed in Table 5-1, if groundwater is used for drinking onsite. Applying DAF factor of 20 and cancer multiplier of 10 for commercial/industrial use would end up with Tapwater RSLs 200 times higher than listed in Table 5-1. Consequently, the chemicals of concern in groundwater would not be determined by exceedances over Tapwater RSLs but rather would be determined by exceedance over MCL values. The chemicals of concern in groundwater, therefore, are PCE, TCE, and VC.

Table 5-1
Summary of Residential Screening Levels (RSLs)

	Regional Screening Levels - Residential				
	Residential Soil	Soil RSL Protective of Groundwater - MCL-Based	Tapwater	MCL	Residential Air
Chemical	(µg/kg)		(µg/L)		(µg/m3)
Benzene	1,200	2.6	0.45	5	0.36
Bromodichloromethane	290	22	0.13	80	0.076
Bromoform	67,000	21	9.2	80	2.6
Carbon Disulfide	770,000	24	810	NE	730
Chloroform	320	22	0.22	80	0.12
Chromium (VI)	300	NE	0.035	NE	0.000012
cis-1,2-Dichloroethene	160,000	21	36	70	NE
Cobalt	23,000	NE	6	NE	0.00031
Dibromochloromethane	730	21	0.17	80	0.1
1,1-Dichloroethene	230,000	2.5	280	70	210
Ethylbenzene	5,800	780	1.5	700	1.1
Lead	400,000	14,000	15	15	0.15
Molybdenum	390,000	NE	100	NE	NE
Tetrachlorethene	24,000	2.3	11	5	11
Toluene	4,900,000	690	1,100	1,000	5,200
trans-1,2-Dichloroethene	160,000	29	360	100	NE
Trichloroethene	940	1.8	0.49	5	0.48
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40,000,000	NE	55,000	NE	31,000
Vinyl Chloride	590	0.69	0.019	2	0.17
Xylenes	580,000	9,800	190	10,000	100

Note: Soil Gas RSLs will be derived by multiplying Residential Air RSLs (in µg/m3) times an attenuation factor. For soil gas RBSLs, please refer to Appendix D.
RSLs to protect groundwater are based on DAF of 1. See text and Figure 5-3 for values when DAF of 20 is used.

Summary of Industrial Screening Levels (RSLs)

	Industrial Screening Levels - Industrial				
	Industrial Soil	Soil RSL Protective of Groundwater MCL-Based	Tapwater	MCL	Industrial Air
Chemical	(ug/kg)		(µg/L)		(µg/m3)
Benzene	5,100	2.6	0.45	5	1.6
Bromodichloromethane	1,300	22	0.13	80	0.33
Bromoform	290,000	21	9.2	80	11
Carbon Disulfide	3,500,000	24	810	NE	3,100
Chloroform	1,400	22	0.22	80	0.53
Chromium (VI)	6,300	NE	0.035	NE	0.00015
cis-1,2-Dichloroethene	2,300,000	21	36	70	NE
Cobalt	350,000	NE	6	NE	0.0014
Dibromochloromethane	3,200	21	0.17	80	0.45
1,1-Dichloroethene	1,000,000	2.5	280	70	880
Ethylbenzene	25,000	780	1.5	700	4.9
Lead	800,000	14,000	15	15	NE
Molybdenum	5,800,000	NE	100	NE	NE
Tetrachlorethene	100,000	2.3	11	5	47
Toluene	47,000,000	690	1,100	1,000	22,000
trans-1,2-Dichloroethene	23,000,000	29	360	100	NE
Trichloroethene	6,000	1.8	0.49	5	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	170,000,000	NE	55,000	NE	130,000
Vinyl Chloride	1,700	0.69	0.019	2	2.8
Xylenes	2,800,000	9,800	190	10,000	440

Note: Soil Gas RSLs will be derived by multiplying Residential Air RSLs (in µg/m3) times an attenuation factor. For soil gas RBSLs, please refer to Appendix D.
Taken from USEPA Region 9 "Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=1) January 2015".

TABLE 5-2
Soil Sample Exceedances of Soil RSLs Protective of GW
Former Rantec Microwaves, Inc. Site, Calabasas, CA

ANALYTE	Soil RSL Protective of GW	TtHA-1-5'	TtHA-2-3'	TtHA-3-5'	TtHA-3-10'	TtMW-1-5'	TtMW-2-5'	TtMW-3-5'	TtMW-3-15'	TtMW-3-25'	TtMW-4-15'	TtSB-5-5'	TtSB-5-15'	TtSG-2-5'	TtSG-2-15'	TtSG-2-20'	TtSG-4-5'	TtSG-4-5'	TtSG-4-15'	TtSG-4-15'	TtSG-4-15'D	TtSG-4-20'
		23-May-14	23-May-14	23-May-14	23-May-14	19-May-14	20-May-14	21-May-14	21-May-14	21-May-14	20-May-14	28-May-14	28-May-14	27-May-14	27-May-14	27-May-14	27-May-14	28-May-14	27-May-14	28-May-14	28-May-14	28-May-14
Purgeables																						
Benzene (µg/kg)	2.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**3.66**	<1	<1	<1	<1	**7.8**	<1	<1	<1	**1.54**
cis-1,2-Dichloroethene (µg/kg)	21	<5	<5	<5	<5	<5	<5	**12.4**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene (µg/kg)	2.6	**21.7**	<2	**2.54**	**4.73**	**106**	**9.1**	**23.6**	**102**	<2	**10.7**	<2	<2	**244**	**3.38**	**34**	**44.5**	<2	**4.44**	**2.22**	**5.59**	**3.33**
Trichloroethene (µg/kg)	1.8	<1.5	<1.5	**9.86**	**20.3**	**36.4**	<1.5	**101**	**31.3**	**4.9**	**5.3**	<1.5	<1.5	**4.88**	<1.5	**6.12**	**1.65**	<1	**83.2**	**2.54**	**9.37**	**321**
Metals (Upper 10 Feet)																						
Arsenic (mg/kg)	0.29	<1	**10.7**	**8.19**	**14.1**	**6.15**	<1	<1				<1	<1	<1			<1	**7.52**				
Lead (mg/kg)	14	<2.5	<2.5	<2.5	2.77	<2.5	<2.5	<2.5				**238**	**20.6**	<2.5			<2.5	<2.5				

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound. RSLs shown in this table based o DAF of 1. Exceedances shown in Figure 5-3 use EPA-approved DAF of 20.

TABLE 5-2, continued
Soil Sample Exceedances of Soil RSLs Protective of GW
Former Rantec Microwaves, Inc. Site, Calabasas, CA

	Soil RSL Protective of GW	SG-5-5	SG-5-15	SG-6-5	SG-6-15	SG-7-5	SG-7-15	SG-8-5	SG-8-15	TtMW-6-2	TtMW-6-5	TtMW-6-23
ANALYTE		11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	11-May-15	12-May-15	12-May-15	12-May-15
Purgeables												
Benzene (µg/kg)	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene (µg/kg)	21	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/kg)	2.3	**20.5J**	<2.0	**136**	<2.0	**4.65J**	**53**	<2.0	**8.80J**	<2.0	<2.0	<2.0
Trichloroethene (µg/kg)	1.8	<1.5	<1.5	**108**	<1.5	**33.2**	**17.7J**	<1.5	<1.5	<1.5	<1.5	<1.5
Metals (Upper 10 Feet)												
Arsenic (µg/kg)	290	NA	NA	NA	NA	NA	NA	NA	NA	<1,000	<1,000	<1,000
Hexavalent Chromium (µg/kg)	0.67	NA	NA	NA	NA	NA	NA	NA	NA	<200	<200	260
Lead (µg/kg)	14,000	NA	NA	NA	NA	NA	NA	NA	NA	5,210	4,900J	4,880J

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

Table 5-3. Comparison of Background Metals Concentrations to Site

Metal	Site		Metals in Southern California Background			
	Minimum	Maximum	Minimum	Maximum	Average	Geometric Mean
Antimony	<1	<1	0.15	1.95	0.6	0.5
Arsenic	<1	**14.1 (10')**	0.6	11.0 (6.0*)	3.5	2.8
Barium	35.6	1240 (5')	133	1400	509	468
Beryllium	<1.3	<1.3	0.25	2.7	1.28	1.14
Cadmium	<1.3	<1.3	0.05	1.7	0.36	0.26
Chromium	7.98	48.6 (35')	23	1579	122	76
CrVI	<0.2	1.02 (10'); 1.07 (15')	NA	NA	NA	NA
Cobalt	<2.5	22.9 (5'); 23 (15')	2.7	46.9	14.9	12.6
Copper	7.19	38 (5'); 46.7 25')	9.1	96.4	28.7	24
Lead	<2.5	**238 (5')**	12.4	97.1	23.9	21.7
Mercury	<0.1	0.159 (5'); 0.267 (15')	0.1	0.9	0.26	0.2
Molybdenum	<2.5	**15.9 (5')**	0.1	9.6	1.3	0.9
Nickel	7.04	82.8 (5'); 212 (5')	9	509	57	36
Selenium	<1	<1	0.015	0.43	0.058	0.028
Silver	<2.5	<2.5	0.1	8.3	0.8	0.41
Thallium	<1	<1	0.17	1.1	0.56	0.52
Vanadium	14	41.6 (5'); 78.5 (20')	39	288	112	101
Zinc	21.8	119 (5'); 226 (15')	88	236	149	145

Units are in mg/kg.
NA = not available
Maximum site values in BOLD type exceed maximum background concentrations.
*Samples were collected from surface to 50 cm depth (1.6 feet) from 50 locations in southern California (Kearney, 1996).
** 6.0 mg/kg is the 95% UCL of the 99th percentile of the As background data set used for the LAUSD (DTSC, 2005). The number of samples was 589 in the top 10 feet of soil and they ranged from 0.19 to 5.9 mg/kg.

References:

Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, Univ. of California. March 1996.
DTSC, 2005. Final Report Background Metals at Los Angeles Unified School Sites -Arsenic.

TABLE 5-4A

Soil Gas Sample Exceedances of Residential Soil Gas RBSLs

Former Rantec Microwaves, Inc. Site, Calabasas, CA

ANALYTE	Residential Soil Gas RBSL (ug/L)	SG-1-5' 3-Jun-15	SG-2-5' 3-Jun-15	SG-3-5' 3-Jun-15	SG-4-5' 3-Jun-15	SG-4-5' Rep 3-Jun-15	SG-5-5', 10PV 3-Jun-15	SG-6-5' 3-Jun-15	SG-7-5' 3-Jun-15	SG-8-5' 3-Jun-15	SG-8-15' 3-Jun-15
Purgeables											
Chloroform	0.18	<0.1	**0.2**	<0.1	<0.1	<0.1	<0.4	<0.2	<1.0	<0.1	<0.1
cis-1,2-Dichloroethene	16	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	0.67	<0.5	<0.5
Tetrachloroethene	0.94	0.18	**190**	**5.1**	0.21	0.18	**220**	**39**	**1.6**	**6.1**	**13**
Trichloroethene	0.88	0.24	**6.8**	<0.1	<0.1	<0.1	**16**	**65**	**4.0**	0.3	0.3
Vinyl Chloride	0.014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	**0.21**	<0.05	<0.05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57,217	NA	5.3	5.3	<0.5	<0.5	72	22	23	10	5.3

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDLs for the same compound.

TABLE 5-4B

Soil Gas Sample Exceedances of Industrial Soil Gas RBSLs

Former Rantec Microwaves, Inc. Site, Calabasas, CA

ANALYTE	Site-Specific Industrial Soil Gas RBSL (ug/L)	SG-1-5' 3-Jun-15	SG-2-5' 3-Jun-15	SG-3-5' 3-Jun-15	SG-4-5' 3-Jun-15	SG-4-5' Rep 3-Jun-15	SG-5-5', 10PV 3-Jun-15	SG-6-5' 3-Jun-15	SG-7-5' 3-Jun-15	SG-8-5' 3-Jun-15	SG-8-15' 3-Jun-15
Purgeables											
Chloroform	16	<0.1	0.2	<0.1	<0.1	<0.1	<0.4	<0.2	<1.0	<0.1	<0.1
cis-1,2-Dichloroethene	135	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	0.67	<0.5	<0.5
Tetrachloroethene	83	0.18	**190**	5.1	0.21	0.18	**220**	39	1.6	6.1	13
Trichloroethene	32	0.24	6.8	<0.1	<0.1	<0.1	16	**65**	4.0	0.3	0.3
Vinyl Chloride	4.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.1	0.21	<0.05	<0.05
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	479,886	NA	5.3	5.3	<0.5	<0.5	72	22	23	10	5.3

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical process. There may be different MDL's for the same compound.

TABLE 5-5

Groundwater Sample Exceedances of MCLs or Tapwater RSLs

Former Rantec Microwaves, Inc. Site, Calabasas, CA

ANALYTE	MCL or Tapwater RSL (µg/L)	TtMW-1 4-Jun-15	TtMW-2 4-Jun-15	TtMW-3 4-Jun-15	TtMW-4 4-Jun-15	TtMW-4D 4-Jun-15	TtMW-5 4-Jun-15	TtMW-6 4-Jun-15
Purgeables								
Benzene (µg/L)	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichlorobenzene (µg/L)	80	<0.5	<0.5	0.690J	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene (µg/L)	70	<0.5	<0.5	1.16	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene (µg/L)	70	<0.5	<0.5	14.4	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene (µg/L)	100	<0.5	<0.5	0.740J	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (µg/L)	5	<0.5	<0.5	**40.2**	<0.5	<0.5	<0.5	<0.5
Trichloroethene (µg/L)	5	0.900J	<0.5	**62.8**	0.630J	0.700J	<0.5	<0.5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) (µg/L)	55,000(1)	<0.5	<0.5	23.6	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride (µg/L)	2	<0.5	<0.5	**4.74**	<0.5	<0.5	<0.5	<0.5
Title 22 Metals								
Arsenic (µg/L)	10	<50	<50	<50	<50	<50	<50	<50
Cobalt (µg/L)	6(1)	<10	<10	**42.9J**	<10	<10	<10	<10
Hexavalent Chromium (µg/L)	0.035(1)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Lead (µg/L)	15	<50	<50	<50	<50	<50	<50	<50
Molybdenum (µg/L)	100(1)	16.5J	17.9J	**165**	<10	<10	90.5	187
Nickel (µg/L)	390(1)	<10	<10	48.6J	<10	<10	14.9J	92.3
Zinc (µg/L)	6,000(1)	<10	<10	86.6	<10	<10	<10	<10

<: Compound not detected at or above detection limit. Value shown in the table is the detection limit (MDL) of the compound for the analytical

(1) Tapwater RSL; no MCL established for this compound.

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH and BTEX above Drinking Water Aquifers

	Distance Above Groundwater	Carbon Range		
TPH		C4-C12	C13-C22	C23-C32
	>150 feet	1,000	10,000	50,000
	20-150 feet	500	1,000	10,000
	<20 feet	100	100	1,000

	Distance Above Groundwater	Lithology			
BTEX		Gravel	Sand	Silt	Clay
	150 feet	B=0.044 T=2 E=8 X=23	B=0.077 T=4 E=17 X=48	B=0.165 T=9 E=34 X=93	B=0.8 T=43 E=170 X=465
	80 feet	B=0.022 T=1 E=4 X=11	B=0.033 T=2 E=7 X=20	B=0.066 T=4 E=15 X=40	B=0.34 T=18 E=73 X=200
	20 feet	B=0.011 T=0.15 E=0.7 X=1.75	B=0.011 T=0.3 E=0.7 X=1.75	B=0.011 T=0.45 E=2 X=5.3	B=0.044 T=2.3 E=9 X=24.5

- TPH = Total petroleum hydrocarbons.
- BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MCLs (ppm): B=0.001, T=0.15, E=0.7, X=1.75.
- MTBE (methyl tertiary butyl ether) must be included in BTEX analyses.
- BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for benzene. Table values for BTEX can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used; BTEX screening levels are set at 100 times respective MCLs as preliminary levels determined to be protective of human health and the environment.
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- For BTEX, each component is not to exceed the specified screening level.
- For TPH, the total allowable for each carbon range is not to be exceeded. In areas of naturally-occurring hydrocarbons, Regional Board staff will make allowance for TPH levels.
- BTEX to be analyzed by EPA Method 8020 or EPA Method 8260 (usually for confirmation).
- TPH to be analyzed by EPA Methods 418.1 plus 8015 (Modified). Ranges of TPH to be analyzed by GC/MS carbon range methods (EPA Method 8260) or EPA Method 8015 (Modified).

	TtMW-3
Tetrachloroethene	56.3
Trichloroethene	95.2
Vinyl Chloride	5.9

	TtMW-4
Trichloroethene	31.6

	TtMW-1
Trichloroethene	18.3

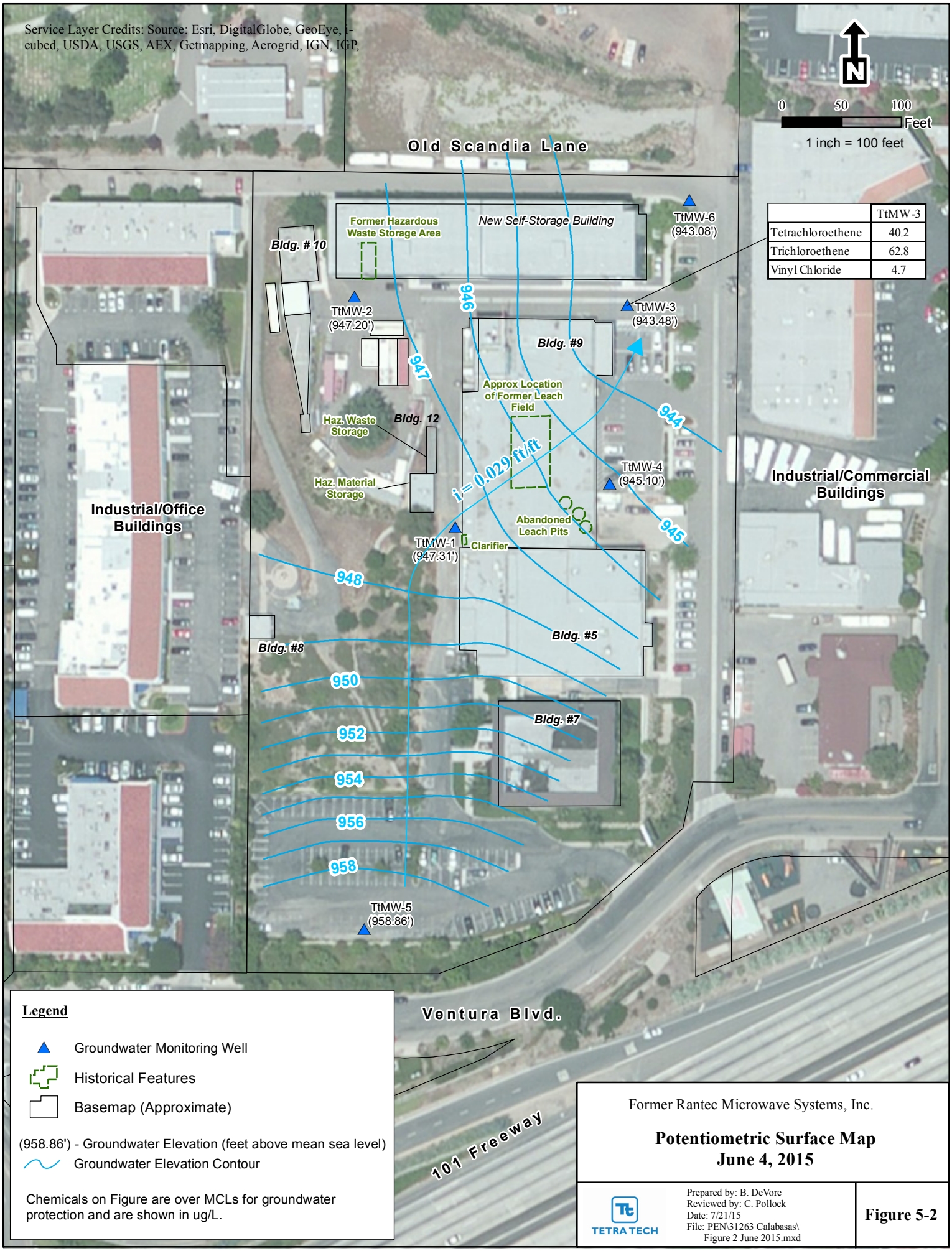
Former Rantec Microwave & Electronics, Inc.

Potentiometric Surface Map
June 17, 2014

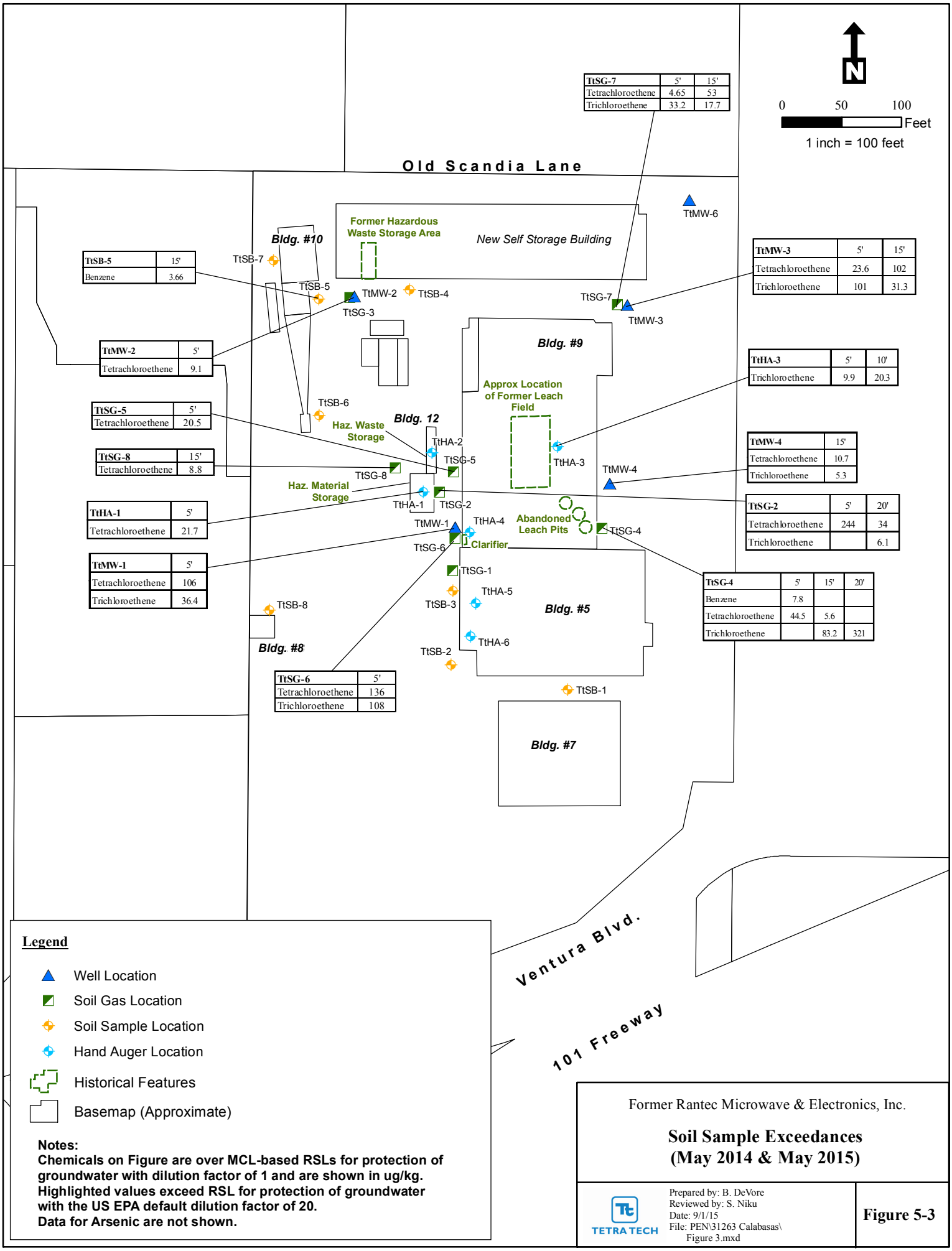
TETRA TECH

Prepared by: B. DeVore
Reviewed by: S. Niku
Date: 9/1/15
File: PEN\31263 Calabasas\
Figure 5.mxd

Figure 5-1



	TtMW-3
Tetrachloroethene	40.2
Trichloroethene	62.8
Vinyl Chloride	4.7



TtSG-7	5'	15'
Tetrachloroethene	4.65	53
Trichloroethene	33.2	17.7

TtSB-5	15'
Benzene	3.66

TtMW-2	5'
Tetrachloroethene	9.1

TtSG-5	5'
Tetrachloroethene	20.5

TtSG-8	15'
Tetrachloroethene	8.8

TtHA-1	5'
Tetrachloroethene	21.7

TtMW-1	5'
Tetrachloroethene	106
Trichloroethene	36.4

TtSG-6	5'
Tetrachloroethene	136
Trichloroethene	108

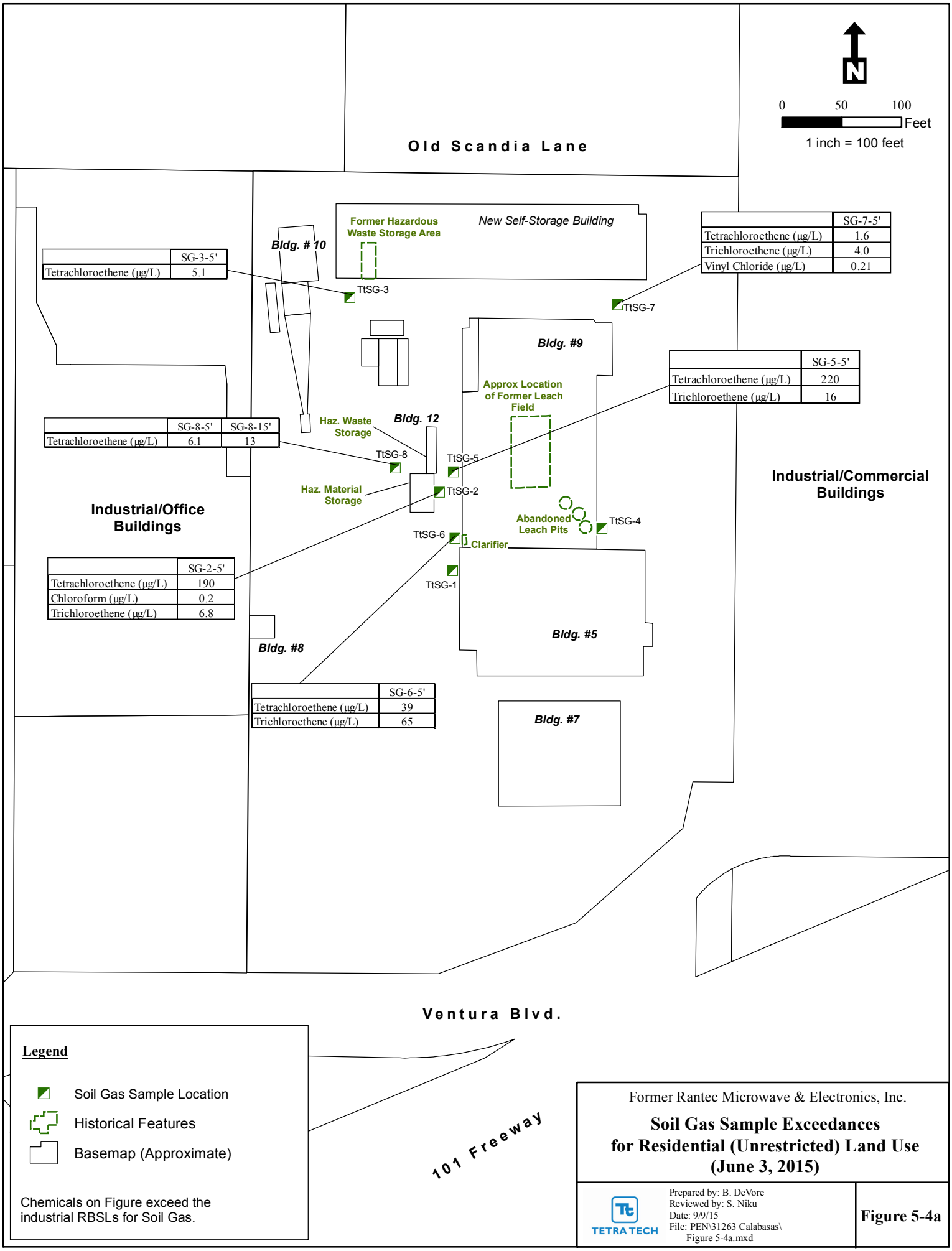
TtMW-3	5'	15'
Tetrachloroethene	23.6	102
Trichloroethene	101	31.3

TtHA-3	5'	10'
Trichloroethene	9.9	20.3

TtMW-4	15'
Tetrachloroethene	10.7
Trichloroethene	5.3

TtSG-2	5'	20'
Tetrachloroethene	244	34
Trichloroethene		6.1

TtSG-4	5'	15'	20'
Benzene	7.8		
Tetrachloroethene	44.5	5.6	
Trichloroethene		83.2	321



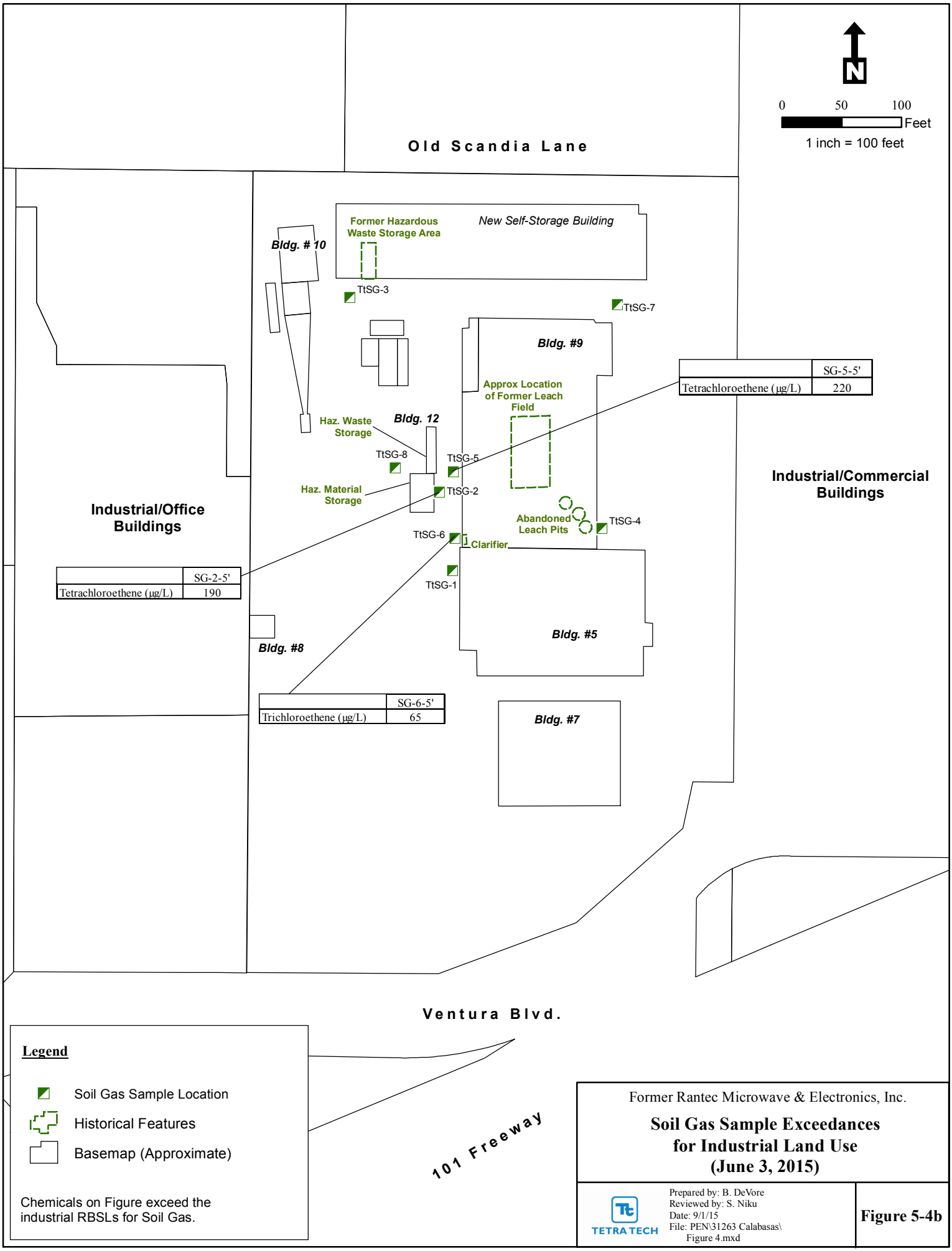
Former Rantec Microwave & Electronics, Inc.

Soil Gas Sample Exceedances for Residential (Unrestricted) Land Use (June 3, 2015)

TETRA TECH

Prepared by: B. DeVore
Reviewed by: S. Niku
Date: 9/9/15
File: PEN\31263 Calabasas\ Figure 5-4a.mxd

Figure 5-4a



	SG-2-5'
Tetrachloroethene (µg/L)	190

	SG-5-5'
Tetrachloroethene (µg/L)	220

	SG-6-5'
Trichloroethene (µg/L)	65

6. SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

6.1 SUMMARY

The Site is located on the northwestern corner of Ventura Boulevard and Old Scandia Lane in unincorporated Calabasas, California in an area of commercial and light industrial land uses. The street address is 24003 Ventura Boulevard, Calabasas, California.

In 2012, Rantec filed a Closure Application No. 736960 with the County of Los Angeles Department of Public Works (LACDPW). The LACDPW referred the regulatory oversight of this Site to the Los Angeles Regional Water Quality Control Board (LARWQCB or Regional Board) on June 3, 2013; based on an assumption that groundwater might be contaminated.

On November 11, 2013, Tetra Tech, and representatives from Calabasas Storage made a site walk with a representative from the Regional Board (Ms. Heather Hatlestad) to further evaluate the Site environmental conditions. The Regional Board representative requested Calabasas Storage, as the current owner of the Site, to conduct additional soil, soil gas, and groundwater investigation at the Site to determine if any of the recognized environmental conditions (RECs) and potential environmental concerns (PECs) exists.

On behalf of Calabasas Storage, Tetra Tech prepared a supplemental site investigation (SSI) Workplan and submitted to the Regional Board for review and approval on January 20, 2014. The Regional Board approved the Workplan on March 14, 2014. The investigation was conducted between May 19, 2014 and June 14, 2014. A SSI Report was sent to Regional Board on June 2, 2015, recommending to do additional site investigations to evaluate some data gaps. The Regional Board approved the additional data gap investigations on June 29, 2015. The additional site investigations were conducted in June, 2015.

The SSI field work (2014 and 2015) consisted of drilling a total of 8 soil borings, 6 hand auger borings, and 6 well borings; subsurface soil sampling; installation of 6 groundwater monitoring wells; well development, followed later by purging and groundwater sampling; installation of 8 dual-nested vapor probes (Figure 4-1); and in-situ collection and mobile laboratory analysis of soil gas samples from the vapor probes. Two of the soil borings were advanced and sampled using a Geoprobe® direct-push drill rig. The remainder of the soil borings and the 6 well borings were drilled and sampled using hollow-stem auger drill rig. The SSI was used to evaluate the following areas:

- Former waste discharge to the cesspool and abandoned leach pits and leach field in Building #9;
- Former hazardous waste storage area adjacent to Building #12;
- Staining beneath the lapping machine in Building #9;
- Potential storage of hazardous materials in Building #12 (the chemical storage bunker);
- Industrial wastewater pretreatment system (clarifier & sump) adjacent west of Building 9;
- Building #10, the former test chamber;
- Upper Range Utility Building #8; and

- Building #5, southern one-third of the L-shaped building (former pre-treatment AST area).

6.2 FINDINGS

The findings of this SSI are presented below, and are based on Tetra Tech's knowledge of the Site from site observations, review of documents supplied by our client, information gathered during our review, and the results of sampling activities. These findings are subject to the limitations presented in our Disclaimer at the front of this report, and may change if additional information becomes available. Findings of the SSI include:

Site Geology

Shallow soils (to a depth of 1 to as much as 7 feet bgs) consist of sandy silt, clayey sand, and sandy clay which may be alluvium or artificial fill. Soils encountered at greater depth consisted of hard sandy silt or silt with sand to the maximum depth of exploration (56.3 feet bgs).

Site Groundwater

Groundwater is tightly held across the Site and is under confining conditions. The saturated zone is at about 20 to 27 feet bgs. However in the monitoring wells, because of pressure heads, the static water levels typically appear to be approximately at 9 to 13 feet bgs, indicating confined conditions. Groundwater flows to the northeast across the Site at a hydraulic gradient of 0.040 foot/foot, based on the potentiometric surface map for June 17, 2014 (Figure 5-1) and 0.029 foot/foot, based on the potentiometric surface map for June 4, 2015 (Figure 5-2).

Site Past Use

The Site was occupied by Rantec or its predecessor from 1960 to 2012, at which time the facility was decommissioned. The past on-site operations included the manufacturing of microwave communications antennae systems ranging from guidance systems to radar systems. During Rantec's occupancy, the Site had an industrial wastewater pretreatment system consisting of three steel aboveground storage tanks (ASTs), a steel aboveground collection tank for collecting wastewater after treatment through the ASTs, and a 3-stage concrete below-grade clarifier with a sampling box. The three ASTs were removed during Rantec's decommissioning activities, and the discharge pipes to the clarifier were cut off and plugged. The collection tank and the clarifier remain in place. The previous environmental assessment reports by others have identified several recognized environmental conditions (RECs) but no potential environmental concerns (PECs) on the Site.

Chemicals of Potential Concern (COPCs)

Chemicals of potential concern (COPCs) at the Site, based on the SSI sampling results detected on site, include chlorinated solvents (PCE, TCE, and their degradation daughter products cis-1,2-DCE and vinyl chloride), benzene, chromium VI, arsenic, lead, and TPH.

Comparison to Regional Screening Levels (RSLs)

In order to evaluate the impact of site contaminants, the concentrations of all contaminants detected in soil, soil gas, and groundwater were compared to the residential (i.e., unrestricted land use) and industrial Regional Screening Levels (RSLs) established by United States Environmental Protection Agency (USEPA) Region 9, dated January 2015 [USEPA Region 9, 2015]. RSLs are human health risk-based soil, air, or water concentrations developed to be protective of residential or commercial land use. USEPA RSLs are developed based on a target risk level of 1×10^{-6} (i.e., one in a million) or a target hazard index of 1. The soil RSLs protective of groundwater used in this evaluation were derived by USEPA to be protective of chemicals migrating from soil to groundwater and are based on protection of chemical-specific maximum contaminant levels (MCLs).

Table 5-1 summarizes the USEPA RSLs for soil, air, and groundwater under residential or industrial land use. The units in Table 5-1 have been modified (e.g., from mg/kg to µg/kg) to match the units in Tables 4-2 to 4-12 to make comparison easier. The USEPA air RSLs in Table 5-1 were used to develop residential and industrial soil gas RBSLs in accordance with DTSC guidelines [DTSC 2011 and 2015]. For this evaluation, soil gas RBSLs were developed based on a target risk level of 1×10^{-6} for the residential scenario and a target risk level of 1×10^{-5} for the industrial scenario for carcinogenic effects. For non-carcinogenic effects, the residential and industrial soil gas RBSLs were developed based on a target HI of 1.

Nature and Extent of Soil Contamination

As discussed in Section 5, all areas of recognized environmental conditions were investigated except the former lapping machine area, the former location of abandoned leach pits, and the former location of leach field. These areas are within the current Self Storage Building #9 that limits the access by drilling equipment.

The analytical results of soil samples in accessible areas indicate that COPCs are at generally low concentrations. When the soil concentrations are compared to the industrial or residential RSLs, they are lower than the industrial soil and residential soil RSLs but they exceed the soil RSLs protective of groundwater based on MCL. There are four locations where PCE exceeds and five locations where TCE exceeds the soil RSL protective of groundwater, when a dilution factor of 20 is used. The other VOCs including benzene and cis-1,2-DCE did not exceed the RSLs to protect groundwater using a DAF of 20. There are seven locations based on the 2014 data where PCE exceeds the soil RSL protective of groundwater, six locations where TCE exceeds, and two locations where benzene exceeds (Figure 5-3). The soil samples from the new well and soil gas probes in 2015 had exceedances of RSLs to protect groundwater in four locations (Table 5-2), but none in TtMW-6.

Arsenic concentration exceeds the Southern California background only at one location (TtHA-3 at 10 feet), and was not detected in groundwater exceeding its MCL. Chromium VI does not exceed the industrial Soil RSL (Table 4-5), but exceeds the residential Soil RSL in 11 samples (5 samples in the upper 10 feet).

Nature and Extent of Soil Gas Contamination

The analytical results of soil gas samples indicate the presence of PCE, TCE, and 1,1,2-trichlorotrifluoroethane (Freon-113) in several of the 5-foot vapor probes. Soil conditions at 15 feet bgs were too tight to allow for soil gas sampling, except in TtSG-8 installed in May 2015 at 15 feet. When the results from 2014 are compared to industrial and residential soil gas RBSLs, there is only one location with soil gas exceedances (TtSG-2; Figure 5-4b) for PCE and TCE. TtSG-2 is in an open area located adjacent to the former hazardous material storage Building 12, which is empty and not occupied. Therefore, these soil gas exceedances are not considered to be a current concern for potential occupants in the building.

There were exceedances of residential RBSLs in the 2015 samples from 5-feet in TtSG-2, TtSG-3, TtSG-5, TtSG-6, TtSG-7, and TtSG-8 for PCE and/or TCE. TtSG-2 had a chloroform detection slightly above the residential RBSL and TtSG-7 had vinyl chloride above the residential RBSL. The soil gas sample from TtSG-8 at 15 feet exceeded the residential RBSL for PCE (Figure 5-4a).

PCE and TCE exceeded the industrial soil gas RBSLs. PCE exceeded the industrial soil gas RBSL at two sampling locations (TtSG-2 and TtSG-5) at 5 feet and TCE exceeded the industrial RBSL at one sampling location (TtSG-6) at 5 feet (Figure 5-4b).

Nature and Extent of Groundwater Contamination

The analytical results of groundwater samples indicate the presence of PCE and TCE and their degradation daughter products cis-1,2-DCE and vinyl chloride (the latter only in downgradient well TtMW-3), three metals (cobalt molybdenum and nickel, believed to be from suspended solids in the groundwater samples), and low to trace concentrations of bromodichloromethane, dibromochloromethane, and chloroform.

Well TtMW-3 is a downgradient well and has the highest concentration of PCE and TCE, and is the only location with vinyl chloride (VC). PCE, TCE, and VC concentrations in Well TtMW-3 exceeded MCLs and tapwater RSLs in 2014 (Figure 5-1) and TCE in two other wells (TtMW-1 and TtMW-4). There were no detected VOCs in TtMW-6, which is located downgradient of TtMW-3 and was sampled in 2015 (Figure 5-2).

As noted in Section 2.2, there are no potable drinking water sources in the region, and local water supplies are of poor quality. This includes the shallow water-bearing zone at the Site. Therefore, the groundwater at the Site is not predicted to be a source of drinking water for the foreseeable future and is not used at present.

Summary Findings

<u>Soil</u>

The analytical results of soil samples in accessible areas indicate that COPCs are at generally low concentrations. When the soil concentrations are compared to the industrial or residential (i.e., unrestricted land use) RSLs, they are lower than the industrial soil and residential soil RSLs

but they exceed the soil RSLs protective of groundwater based on MCL. Arsenic concentration exceeds the Southern California background at one location at 10 feet below surface. Chromium VI does not exceed the industrial Soil RSL but exceeds the residential Soil RSL in 11 samples (5 samples in the upper 10 feet).

Soil Gas

PCE, TCE, and vinyl chloride in soil gas exceeded residential (i.e., unrestricted land use) RBSLs in the 2015 samples from 5-feet, in six, four, and one locations, respectively. PCE and TCE exceeded the industrial soil gas RBSLs in two and one locations, respectively.

Groundwater

Well TtMW-3 is a downgradient well and has the highest concentration of PCE and TCE, and is the only location with vinyl chloride (VC). PCE, TCE, and VC concentrations in Well TtMW-3 exceeded MCLs and tapwater RSLs in 2014. There were no detected VOCs in TtMW-6, which is located downgradient of TtMW-3 and was sampled in 2015.

6.3 DATA GAPS EVALUATIONS AND CONCLUSIONS

The following data gaps identified based on the findings of the SSI, were addressed in the 2015 investigation:

a) The analytical results of soil gas sample at TtSG-2 (Figure 5-4b) in 2014 indicated the presence of PCE and TCE in the 5-foot vapor probe that exceeded industrial soil gas RBSLs. TtSG-2 is located adjacent to the east of the unoccupied former hazardous material storage building (Building 12). This area was investigated further in 2015 to determine the full lateral extent of soil gas contamination. The results indicated the PCE and TCE exceed the residential and industrial soil gas RBSLs in the general area of TtSG-2. For the residential land use scenario, there are two other locations (TtSG-3 and TtSG-7) where PCE and TCE exceed RBSLs and one location (TtSG-7) where vinyl chloride exceeds RBSLs.

b) There are no detectable concentrations of chemicals in groundwater in upgradient Well TtMW-5, whereas the downgradient Well Tt-MW-3 has the highest concentration of PCE, TCE and VC. The new Well TtMW-6 was installed at the furthest downgradient area of the Site at the north-east corner of the Site in the travelled way of Old Scandia Lane. The concentration of all VOCs in this well were non-detect, indicating that the existing residual contaminants found in Well TtMW-3 are limited and contaminants have not migrated offsite of the Site.

c) Additional investigation under Building #9, upgradient of Well TtMW-3, is not feasible at this time due to space and ceiling height constraints, and it would be difficult to determine if any source(s) of contaminants remain under the building. In lieu of soil sampling under Building #9, the potential for PCE/TCE/VC residuals left under the building was investigated by installing additional soil gas probes at 5- foot depth outside the building.

d) One nested soil gas probe (TtSG-7) was installed in May 2015 at a 5-foot depth next to TtMW-3 adjacent to the occupied office of the New Self Storage Building. PCE, TCE, and vinyl chloride were detected at levels exceeding the corresponding residential soil gas RBSLs. However, no chemicals were detected at levels exceeding the industrial soil gas RBSLs at this sampling location.

e) As noted before, the results of soil and groundwater samples were compared with the Regional Screening Levels (RSLs) established by EPA Region 9. The RSLs are human health risk-based soil, air, or water concentrations to be protective of residential or commercial land use, and are developed based on a target risk level of 1×10^{-6} (i.e., one-in-a-million) or a target hazard index of 1. For this evaluation, USEPA air RSLs were used in conjunction with site-specific soil gas attenuation factors to develop residential and industrial soil gas RBSLs in accordance with DTSC guidelines [DTSC 2011 and 2015]. For the carcinogenic endpoint, soil gas RBSLs were developed based on a target risk level of 1×10^{-6} for the residential scenario and a target risk level of 1×10^{-5} for the industrial scenario. For non-carcinogenic effects, the residential and industrial soil gas RBSLs were developed based on a target HI of 1.

A review and comparison of the groundwater analytical data between the June 2014 and June 2015 sampling events shows the following conclusions:

f) The new Well TtMW-6 was installed at the furthest downgradient area of the Site at the north-east corner of the Site in the travelled way of Old Scandia Lane. The concentration of all VOCs in this well were non-detect, indicating that the existing residual contaminants found in Well TtMW-3 are limited and contaminants have not migrated downgradient.

g) A one on one comparison of the residuals originally detected in 2014 in existing monitoring wells TtMW-1 through TtMW-5, and the residuals detected in 2015, shows that the concentration of all residual contaminants have been reduced.

6.4 RECOMMENDATIONS

Per the RWQCB, the quarterly groundwater monitoring will be continued. The 3rd-quarter sampling has been conducted on August 31, 2015, and the data will be submitted to the RWQCB by October 15, 2015.

California Department of Water Resources (DWR) Website, 2013. California Well Standards, originally published by California DWR in Bulletin 74-81 [DWR, 1981] and Bulletin 74-90 [DWR, 1990]. The DWR Southern Region has combined the contents of Bulletins 74-81 and 74-90 and has made them available on the DWR website. Available at: http://www.water.ca.gov/groundwater/well_info_and_other/well_standards.cfm

California Environmental Protection Agency (Cal EPA), 1995. Guidance Manual for Ground Water Investigations, July 1995.

California Environmental Protection Agency (Cal EPA), Department of Toxic Substances Control (DTSC), 2005. Final Report Background Metals at Los Angeles Unified School Sites -Arsenic.

California Environmental Protection Agency (Cal EPA), 2012. Advisory – Active Soil Gas Investigations. Prepared by Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (LARWQCB), and San Francisco Regional Water Quality Control Board (SFRWQCB), April 2012.

California Regional Water Quality Control Board, Region 4 – Los Angeles and Ventura Counties, 1996. Interim Site Assessment & Cleanup Handbook. May 1996.

California State Water Resources Control Board (SWRCB) GeoTracker™ Website, 2013. EXXON #7-2893, Global ID #T0603705363, 24025 Calabasas Road West, Calabasas, California. Closed Leaking Underground Storage Tank File, Last Groundwater Monitoring Report dated March 11, 2009. Website accessed on July 22, 2013.

County of Los Angeles Department of Public Works (LACDPW), 2013. Letter to Mr. Jarrod Roggenbuck of Rantec Microwave Systems, Inc. in Westlake Village, California. Site Referral of LACDPW Closure Application No. 736960 to California Regional Water Quality Control Board – Los Angeles Region. June 3, 2013.

Department of Toxic Substances Control (DTSC). 2011. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October 2011.

Department of Toxic Substances Control (DTSC). 2015. Human Health Risk Assessment (HHRA) Note. HERD HHRA Note Number: 3, (DTSC-Modified Screening Levels). May, 2015.

Dibblee, T.W., 1992. Geologic Map of the Calabasas Quadrangle, Los Angeles County, California.

Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California (Kearney Foundation), 1996. Background Concentrations of Trace and Major Elements in California Soils. March 1996.

Kleinfelder, Inc., 2000a. Phase I Environmental Site Assessment, Rantec Microwave and Electronics, Inc., 24003 Ventura Boulevard, Unincorporated Los Angeles County, California. February 23, 2000.

Kleinfelder, Inc., 2000b. Limited Phase II Environmental Investigation, Rantec Microwave and Electronics, Inc., 24003 Ventura Boulevard, Unincorporated Los Angeles County, California. April 26, 2000.

Kleinfelder West, Inc., 2007. Phase I Environmental Site Assessment, 24031 Ventura LLC, 24003 Ventura Boulevard, Calabasas, California 91301. August 13, 2007.

Los Angeles County Department of Public Works, 2007. Groundwater well map site. Available at http://dwp2.co.la.ca.us/website/wells/viewer.asp.

Los Angeles Regional Water Quality Control Board, 2014. Letter to Mr. Bruce Rothman of Calabasas Storage, LLC in Los Angeles, California. Approval of Workplan for Supplemental Site Investigation, Former Rantec Microwave Systems, Inc., 24003 Ventura Boulevard, Calabasas, California. March 14, 2014.

Los Virgenes Municipal Water District (LVMWD), 2013. 2013 Annual Report.

Los Virgenes Municipal Water District (LVMWD), 2014. Website, available at http://www.lvmwd.com. Website accessed on August 22, 2014.

Norris, R.M. and R.W. Webb, 1990. Geology of California. John Wiley & Sons, Inc. New York, New York. 365 pages.

Partner Engineering and Science, Inc., 2013. Industrial Waste Pretreatment Facilities Closure Sampling Report, Former Rantec Microwave Systems, Inc., 24003 Ventura Boulevard, Calabasas, California 91302. County of Los Angeles Department of Public Works (LACDPW) Application Number A736960, LACDPW File Number 104842. May 21, 2013.

Tenera, 1990. Report for 3.23 Rantec Division, 24003 Ventura Boulevard, Calabasas, California. September 1990.

Tetra Tech, Inc., 2014. Workplan for Supplemental Site Investigation, Former Rantec Microwave Systems, Inc., 24003 Ventura Boulevard, Calabasas, California 91302. January 2014.

Upper Los Angeles River Area (ULARA) Watermaster, 2013. Watermaster Service in the Upper Los Angeles River Area, Los Angeles County, California, 2011-12 Water Year, October 1, 2011 – September 30, 2012.

U.S. Environmental Protection Agency (USEPA) Region 9. 2015. Regional Screening Level (RSL) Summary Table. January 2015.

United States Geologic Survey (USGS), 1952 (1967). Calabasas, California 7.5-minute Series (Topographic) Quadrangle Map, scale: 1 inch = 2,000 feet. Mapped 1952, Photo revised 1967.

United States Geologic Survey (USGS), 2005. Preliminary Geologic Map of the Los Angeles 30' x 60' Quadrangle, Southern California.

APPENDIX A

Boring Logs and Boring Log Legend

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-1*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway Between Clarifier* **DATE** *5-19-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, HAND AUGER to 5 feet.	
						GP-SP	6 inch SUBGRADE.	
							ARTIFICIAL FILL - POORLY GRADED GRAVEL WITH SAND - pale yellow (2.5Y 7/4), dry, very fine grain sand, trace of silt, no odor, 20% sand, 75% gravel, 5% silt.	
						SM	SILTY SAND - olive yellow (2.5Y 6/6), dry, very fine to fine grain sand, no odor, 60% sand, 40% silt.	
5		50/6"	0.8				SANDY SILT - olive brown (2.5Y 4/3), dry, hard, very fine grain sand, trace of fine gravel, no odor, 15% sand, 5% gravel, 80% silt.	
10		25/35/44	1.0			ML	SANDY SILT - dark olive gray (5Y 3/2), dry, hard, very fine grain sand, no odor, 15% sand, 85% silt.	
15		45/50/2"	1.2			ML	SANDY SILT - dark olive gray (5Y 3/2), dry, hard, very fine grain sand, no odor, 15% sand, 85% silt.	
20		33/41/49	2.7			ML	SANDY SILT - dark olive gray (5Y 3/2), damp, hard, very fine to fine grain sand, trace of fine grade gravel, no odor, 15% sand, 85% silt.	
25		36/45/50/4"	2.7			ML	SANDY SILT - dark olive gray (5Y 3/2), dry, hard, very fine grain sand, no odor, 15% sand, 85% silt.	
30		32/39/45	0.8			ML	SANDY SILT - dark olive gray (5Y 3/2), damp, hard, very fine grain sand, no odor, 20% sand, 80% silt.	
35		29/36/42	1.2			ML	SANDY SILT - dark olive gray (5Y 3/2), damp, hard, very fine grain sand, no odor, 20% sand, 80% silt.	
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-1*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway Between Clarifier* **DATE** *5-19-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
40		37/42/48	0.8			ML	SANDY SILT - dark olive gray (5Y 3/2), dry, hard, very fine grain sand, no odor, 20% sand, 80% silt.	
45		40/40/50/3"	1			SM	SILTY SAND - dark brown (10YR 3/3), damp, very dense, very fine grain sand, no odor, 60% sand, 40% silt.	
50		42/46/50/2"	1			SM	SILTY SAND - dark yellowish brown (10YR 3/4), damp, very dense, very fine to fine grain sand, no odor, 65% sand, 35% silt.	
55		41/50/3"	1.2			ML	SANDY SILT - dark olive gray (5Y 3/2), dry, hard, very fine grain sand, no odor, 25% sand, 75% silt.	
60								
65								
70								
75								
80								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-2*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Driveway South of New Self-* **DATE** *5-20-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, HAND AUGER to 5 feet. 6 inch SUBGRADE.	
						ML	SANDY SILT - dark olive brown (2.5Y 3/3), moist, very fine grain sand, plastic, no odor, 25% sand, 75% silt.	
						ML	SANDY SILT - yellowish brown (10YR 5/4), dry, very fine grain sand, strong cementation, no odor, 30% sand, 70% silt.	
5		25/35/40	1.0			CL	SANDY LEAN CLAY WITH GRAVEL - dark olive brown (2.5Y 3/3), hard, moist, very fine to medium grain sand, fine grain gravel, plastic, no odor, 25% sand, 10% gravel, 65% silt.	
10		16/25/30	1.0			ML	SANDY SILT - dark brown (10YR 3/3), hard, dry, very fine to fine grain sand, moderate cementation, no odor, 25% sand, 75% silt.	
15		23/31/38	1.0			ML	SANDY SILT - dark brown (10YR 3/3), hard, damp, very fine grain sand, moderate cementation, no odor, 30% sand, 70% silt.	
20		34/41/48	1.5			ML	SANDY SILT - dark brown (10YR 3/3), hard damp, very fine to medium grain sand, moderate to hard cementation, trace of clay and fine gravel, no odor, 20% sand, 5% gravel, 5% clay, 70% silt.	
25		32/41/47	1.6			ML	SANDY SILT - dark brown (10YR 3/3), hard, damp, very fine grain sand, hard cementation, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
30		40/50/6"	1.2			ML	SILT WITH SAND - very dark grayish brown (2.5Y 3/2), hard, dry, very fine grain sand, hard cementation, no odor, 15% sand, 85% silt.	
35		39/45/50	1.5			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, dry, very fine grain sand, hard cementation, no odor, 20% sand, 80% silt.	
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-2*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Driveway South of New Self-* **DATE** *5-20-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
40		31/41/46	1.4			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, dry, very fine to fine grain sand, trace of fine gravel, hard cementation, no odor, 20% sand, 5% gravel, 75% silt.	
45		35/42/47	1.2			ML	SILT WITH SAND - very dark grayish brown (2.5Y 3/2), hard, dry, very fine to fine sand, hard cementation, no odor, 15% sand, 85% silt.	
50								
55								
60								
65								
70								
75								
80								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-3*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Driveway Between New* **DATE** *5-21-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3.5 inch ASPHALT, HAND AUGER to 5 feet. 5 inch SUBGRADE.	
						CL	SANDY LEAN CLAY - dark grayish brown (10YR 4/2), moist, very fine to fine grain sand, trace of silt, no odor, 15% sand, 80% clay, 5% silt.	
						CL	SANDY LEAN CLAY - brown (10YR 4/3), moist, very fine to medium grain sand, trace of silt, no odor, 15% sand, 80% clay, 5% silt.	
5		19/25/33	1.4			ML	SILT WITH SAND - very dark gray (2.5Y 3/1), hard, moist, very fine sand, trace of clay, no odor, 10% sand, 5% clay, 85% silt.	
10		25/32/37	4.5			ML	SANDY SILT - dark grayish brown (10YR 4/2), hard, dry, very fine to medium grain sand, no odor, 20% sand, 80% silt.	
15		30/41/50/3"	6.2			ML	SANDY SILT - dark grayish brown (10YR 4/2), hard, damp, very fine grain sand, no odor, 20% sand, 80% silt.	
20		38/50/5"	4.0			ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard, dry, very fine grain sand, moderate cementation, no odor, 15% sand, 85% silt.	
25		35/45/50/4"	1.0			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, damp, very fine to fine grain sand, moderate cementation, trace of clay, no odor, 20% sand, 5% clay, 75% silt. (Wet Sleeve)	
30		29/35/41	1.0			ML	SILT WITH SAND - very dark grayish brown (2.5Y 3/2), hard, damp, very fine to fine grain sand, strong cementation, trace of clay, no odor, 15% sand, 5% clay, 80% silt.	
35		50/6"	1.4			ML	SILT WITH SAND - olive brown (2.5Y 4/3), hard, dry, very fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-3*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Driveway Between New* **DATE** *5-21-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
40		50/2"	0.9			ML	SILT WITH SAND - very dark gray (2.5Y 4/3), hard, damp, very fine to fine grain sand, strong cementation, trace of clay, no odor, 15% sand, 5% clay, 80% silt.	
45								
50								
55								
60								
65								
70								
75								
80								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-4*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *East and Down gradient of* **DATE** *5-20-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, HAND AUGER to 5 feet. 3 inch SUBGRADE.	
						CL	SANDY LEAN CLAY - dark grayish brown (10YR 4/2), damp, very fine to medium grain sand, trace of fine grain gravel, no odor, 20% sand, 5% gravel, 75% clay.	
						CL	SANDY LEAN CLAY - dark grayish brown (10YR 4/2), damp, very fine to coarse grain sand, trace of fine grain gravel, no odor, 30% sand, 5% gravel, 65% clay.	
5		30/41/53	1.0			ML	SANDY SILT - yellowish brown (10YR 5/4), hard, dry, very fine to fine grain sand, strong cementation, trace of pebbles, no odor, 25% sand, 5% gravel, 70% silt.	
10		27/35/42	0.7			ML	SILT WITH SAND - strong brown (7.5YR 4/6), hard, dry to damp, very fine to fine grain sand, moderate cementation, no odor, 15% sand, 85% silt.	
15		34/42/50/3"	0.8			ML	SILT WITH SAND - dark yellowish brown (10YR 4/4), hard, dry, very fine grain sand, strong cementation, trace of clay, no odor, 15% sand, 5% clay, 80% silt.	
20		50/3"	5.0			ML	SAND WITH SILT - dark brown (10YR 3/3), hard, dry, very fine to fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
25		39/43/49	4.2			ML	SANDY SILT - very dark brown (10YR 2/2), hard, damp, very fine to fine grain sand, trace of clay, strong cementation, no odor, 20% sand, 5% clay, 75% silt.	
30		35/43/47	4.7			ML	SANDY SILT - very dark gray (10YR 3/1), hard, dry, very fine to fine sand, strong cementation, no odor, 20% sand, 80% silt.	
35		38/42/45	2.6			ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard, dry, very fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-4*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *East and Down gradient of* **DATE** *5-20-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
40		39/45/48	4.7			ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard, dry, very fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
45								
50								
55								
60								
65								
70								
75								
80								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-5*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Parking Lot at South End of* **DATE** *5-19-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch of ASPHALT, HAND AUGER to 5 feet. 3 inch of SUBGRADE.	
						SC	CLAYEY SAND - olive brown (2.5Y 4/4), damp, very fine to fine grain sand, no odor, 60% sand, 40% clay.	
						ML	SANDY SILT - brown (10YR 4/3), damp, very fine to fine grain sand,no odor, 20% sand, 80% silt.	
5		15/21/30	0.7			ML	SANDY SILT - brown (10YR 4/3), hard, damp, very fine to fine grain sand, no odor, 30% sand, 70% silt.	
10		14/24/29	0.9			ML	SANDY SILT - brown (10YR 4/3), hard, damp, very fine to grain fine sand, no odor, 20% sand, 80% silt.	
15		15/22/32	2.7			ML	SANDY SILT - dark olive brown (2.5Y 3/3), hard, dry, very fine to fine grain sand, no odor, 40% sand, 60% silt.	
20		26/33/40	1.0			ML	SANDY SILT - dark olive gray (5Y 3/2), hard, damp, very fine to medium grain sand, a bit plastic, no odor, 40% sand, 60% silt.	
25		30/48/50	2.3			ML	SANDY SILT - dark olive gray (5Y 3/2), hard, dry, very fine to fine grain sand, trace of fine gravel, no odor, 25% sand, 5% gravel, 70% silt.	
30		32/41/49	1.0			ML	SANDY SILT - dark olive gray (5Y 3/2), hard, wet, very fine to fine grain sand, trace of fine gravel, no odor, 25% sand, 5% gravel, 70% silt.	
35		38/49/50	1.8			ML	SANDY SILT - dark olive gray (5Y 3/2), hard, wet, very fine to fine grain sand, trace of fine gravel, no odor, 25% sand, 5% gravel, 70% silt.	
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtMW-5*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Parking Lot at South End of* **DATE** *5-19-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *10.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
40		28/32/44	1.0			ML	SANDY SILT - dark olive gray (5Y 3/2), hard, wet, very fine to fine grain sand, trace of fine gravel, no odor, 25% sand, 5% gravel, 70% silt.	
45								
50								
55								
60								
65								
70								
75								
80								

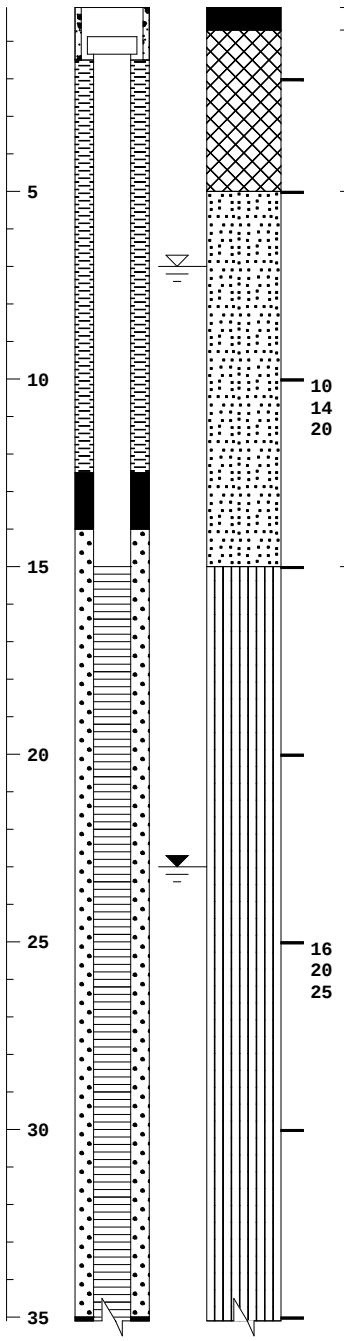
REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

DRILL HOLE LOG
BORING NO.: TtMW-6

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: CME-95 Hollow-Stem Auger

PROJECT NO.: T31263-04
DATE: 05/12/15
ELEVATION:
LOGGED BY: J.Sandoval

DEPTH TO WATER> INITIAL ▽ : 7 AT COMPLETION ▼ : 23



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N	CURVE (10 30 50)
			FILL	5" asphalt Hand auger to 7 feet below surface. ARTIFICIAL FILL - poorly graded sand, sand bag debris with gravel (gravel is 0.5-1" diam). 60% sand, 20% gravel, 10% clay, 10% silt.					
			SP	FILL - poorly graded sand.					
				POORLY GRADED SAND - dusky red (2.5YR 4/2). Wet, fine to medium grained sand with gravel (gravel < 1" diam). 50% sand, 25% gravel, 15% silt, 10% clay.			10'-10'	34	
			ML	SILT - reddish gray (5YR 5/2). Moist-wet, very fine grained sand, moderate plasticity. 60% silt, 20% sand, 15% clay, 5% gravel.					
				SILT - same color as above. Wet, moderate to high plasticity. 60% silt 20% clay, 15% sand, 5% gravel.					
				SILT - same color as above. Wet, very fine grained sand, more gravel, moderate plasticity. 60% silt 20% clay, 15% gravel, 5% sand.			25'-25'	45	
				Same as above.					

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

DRILL HOLE LOG
BORING NO.: TtMW-6

PROJECT: Former Rantec Microwave Systems, Inc. PROJECT NO.: T31263-04

ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N	CURVE 10 30 50
				SILT - very dark gray (5YR 3/1). Wet, moderate to high plasticity, very fine grained sand. 60% silt, 20% clay, 10% gravel.					
40				Same as above.					
				Boring converted to groundwater monitoring well, screened from 15-35 feet.					
45									
50									
55									
60									
65									
70									
75									

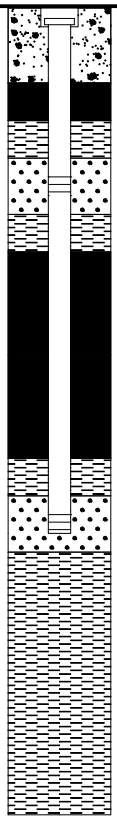
TETRA TECH BORING LOG

BORING I.D. No. *TtSG-1*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway to West of Clarifier* **DATE** *5-27-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							4 inch ASPHALT, HAND AUGER to 5 feet.	
							5 inch SUBGRADE.	
						ML	SANDY SILT - yellowish brown (10YR 5/4), hard, dry, very fine to fine grain sand, strong cementation, 20% sand, 80% silt.	
						ML	SILT WITH SAND - dark yellowish brown (10YR 4/4), hard, dry, very fine to fine grain sand, trace of clay, strong cementation, no odor, 15% sand, 5% clay, 80% silt.	
5		12/15/18	0.7			ML	SILT WITH SAND - dark yellowish brown (10YR 3/4), hard, dry, very fine grain sand, trace of pebbles, no odor, 10% sand, 5% gravel, 85% silt.	
10		18/31/40	0.8			ML	SANDY SILT - very dark grayish brown (10YR 3/2), hard, damp, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
15		28/34/53	1.2			ML	SANDY SILT - very dark grayish brown (10YR 3/2), hard, damp, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
20		38/40/50/2"	1.8			ML	SANDY SILT - very dark grayish brown (10YR 3/2), hard, damp, wet on the sleeve, very fine to medium grain sand, trace of clay, moderate cementation, no odor, 20% sand, 5% clay, 75% silt.	
25								
30								
35								
40								



REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

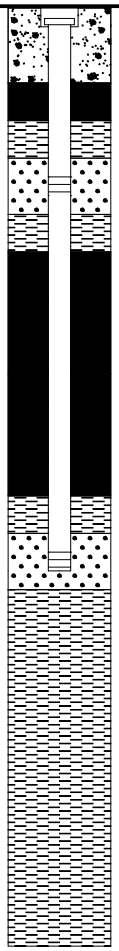
TETRA TECH BORING LOG

BORING I.D. No. *TtSG-2*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway to East of Building* **DATE** *5-27-2014*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							4 inch ASPHALT, HAND AUGER to 2 feet, slow drilled down to 5 feet.	
							6 inch SUBGRADE.	
						ML	SANDY SILT WITH GRAVEL - light yellowish brown (10YR 6/4), hard, dry, very fine sand, 2 inch to 3 inch gravel, no odor, 20% sand, 10% gravel, 70% silt.	
						ML	SILT WITH SAND - light yellowish brown (10YR 6/4), hard, dry, very fine grain sand, trace of pebbles, no odor, 15% sand, 5% gravel, 80% silt.	
5		50/6"	0.8			ML	SILT WITH SAND - light olive brown (2.5Y 5/4), hard, dry, very fine grain sand, trace of pebbles, strong cementation, no odor, 15% sand, 5% gravel, 80% silt.	
10		18/26/33	0.6			ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard, dry, very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
15		50/6"	1.2			ML	SANDY SILT - very dark grayish brown (10YR 3/2), hard, dry, very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
20		29/38/50/1"	1.5			ML	SILT WITH SAND - very dark gray (10YR 3/1), hard, damp, wet on the sleeve, very fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
25								
30								
35								
40								



REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

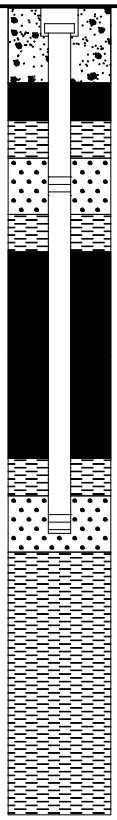
TETRA TECH BORING LOG

BORING I.D. No. *TtSG-3*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *East of Building 10* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, HAND AUGER to 5 feet. 5 inch SUBGRADE.	
						CL	SANDY CLAY - very dark gray (2.5Y 3/1), moist, very fine grain sand, trace of silt, strong cementation, no odor, 20% sand, 75% clay, 5% silt.	
						ML	SANDY SILT - olive brown (2.5Y 4/3), moist, very fine to fine grain sand, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
5		21/30/42	0.9			ML	SANDY SILT - yellowish brown (10YR 5/4), hard, dry, very fine to medium grain sand, trace of pebbles, strong cementation, no odor, 20% sand, 5% gravel, 75% silt.	
10		29/36/40	0.8			ML	SILT WITH SAND - olive brown (2.5Y 4/3), hard, moist, very fine grain sand, trace of clay, strong cementation, no odor, 15% sand, 5% clay, 80% silt.	
15	▼	28/35/37	0.8			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, moist, wet on the sleeve, very fine grain sand, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
20		32/38/40	0.6			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, wet, very fine to fine grain sand, trace of pebbles and clay, no odor, 15% sand, 5% gravel, 5% clay, 75% silt.	
25								
30								
35								
40								



REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

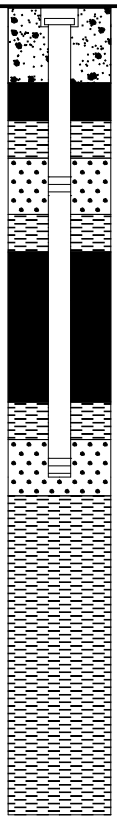
TETRA TECH BORING LOG

BORING I.D. No. *TtSG-4*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *South East Corner of* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							6 inch CONCRETE, HAND AUGER to 5 feet.	
						CL	SANDY CLAY - dark olive brown (2.5Y 3/3), damp, very fine grain sand, trace of silt, no odor, 20% sand, 75% clay, 5% silt.	
						CL	SANDY CLAY - dark olive brown (2.5Y 3/3), damp, very fine grain sand, trace of silt, no odor, 20% sand, 75% clay, 5% silt.	
5		20/27/36	0.8			ML	SANDY SILT - olive brown (2.5Y 4/3), hard, damp, very fine to medium grain sand, trace of clays, no odor, 20% sand, 5% clay, 75% silt.	
10		17/20/23	1.2			ML	SILT WITH SAND - dark olive brown (2.5Y 3/3), hard, damp, very fine to medium grain sand, no odor, 15% sand, 85% silt.	
15		22/32/37	2.5			ML	SANDY SILT - light olive brown (2.5Y 5/6), hard, moist, wet very fine to fine grain sand, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
20		32/38/41	1.5			ML	SANDY SILT - dark grayish brown (2.5Y 4/2), hard, wet, very fine grain sand, no odor, 20% sand, 80% silt.	
25								
30								
35								
40								

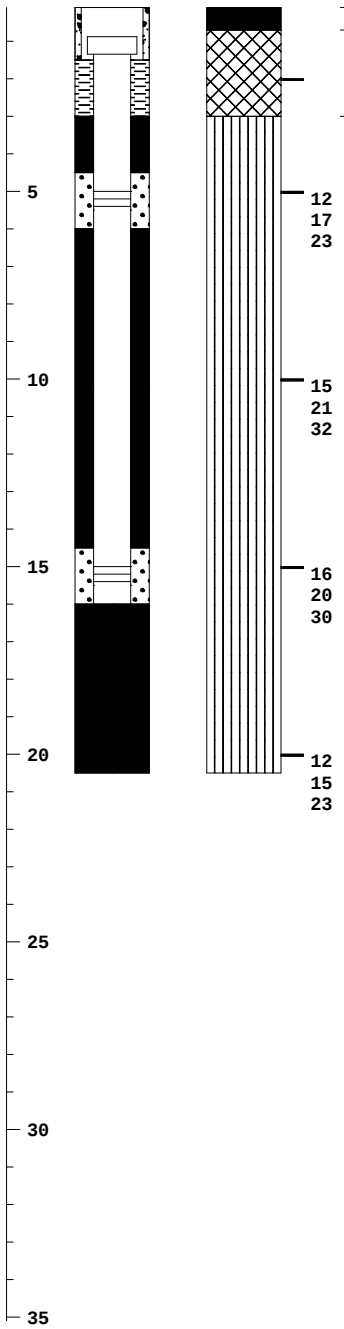


REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

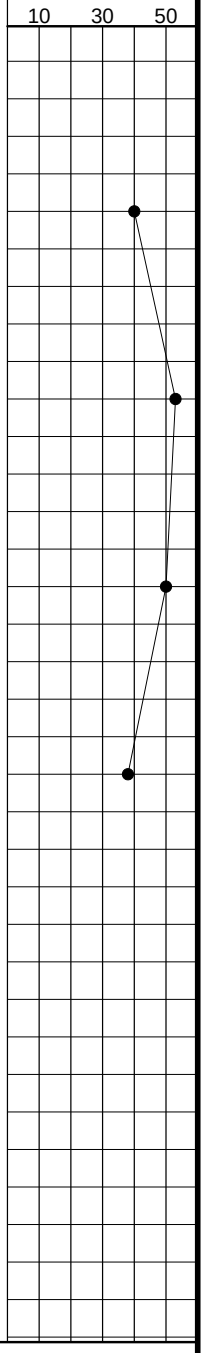
DRILL HOLE LOG
BORING NO.: TtSG-5

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: CME-95 Hollow-Stem Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/11/15
ELEVATION:
LOGGED BY: J.Sandoval
AT COMPLETION ▼ :



USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N
FILL	5" asphalt Hand auger to 5 feet below surface				
ML	ARTIFICIAL FILL - silt with gravel, dry, pinkish gray (5YR 6/2), very fine grained sand. 50% silt,20% gravel, 20% sand, 10% clay.				
	SANDY SILT - dark reddish gray (5YR 4/2) Dry, hard, low plasticity, trace clay, fine grained sand. 50% silt, 25% sand, 15% clay, 10% gravel.			5'-5'	40
	SILT - dark reddish brown (5YR 3/4). Dry, hard, low plasticity, very fine grained sand. 50% silt, 25% sand, 15% clay, 10% gravel.			10'-10'	53
	SILT - very dark gray (5YR 3/1). Little moisture, low plasticity, very fine grained sand. 50% silt, 25% sand, 15% clay, 10% gravel.			15'-15'	50
	Same as above. No water observed. Boring converted to dual-nested soil gas probes at 5 and 15 feet below surface.			20'-20'	38

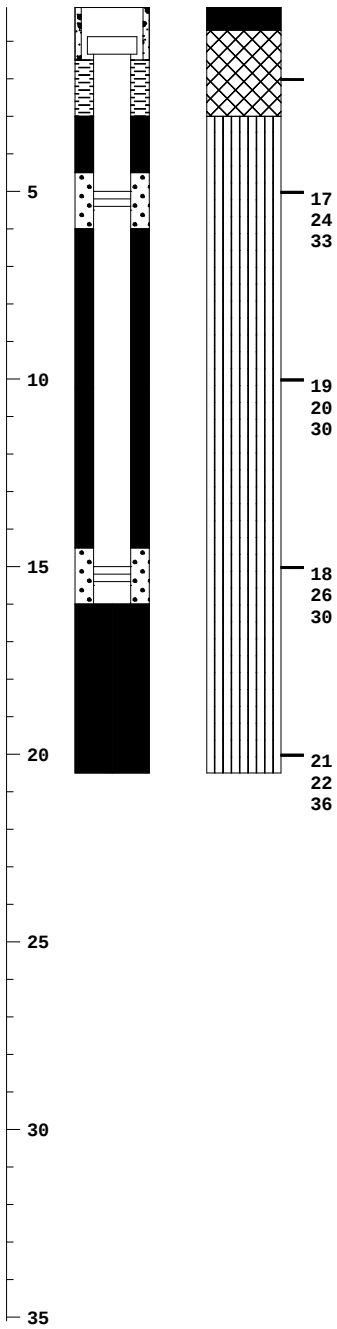


This information pertains only to this boring and should not be interpreted as being indicitive of the site.

DRILL HOLE LOG
BORING NO.: TtSG-6

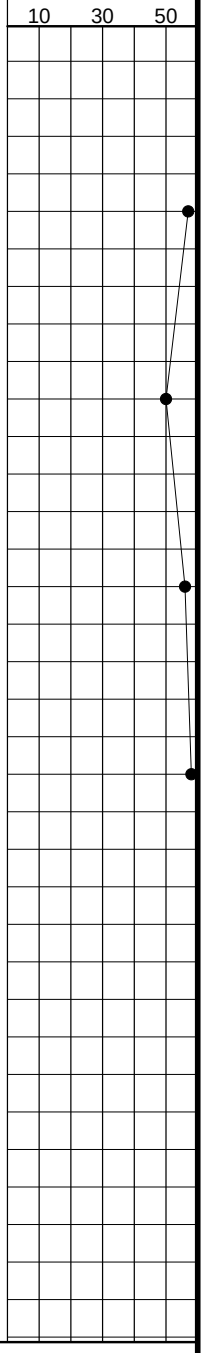
PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: CME-95 Hollow-Stem Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/11/15
ELEVATION:
LOGGED BY: J.Sandoval
AT COMPLETION ▼ :



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N
			FILL	5" asphalt Hand auger to 5 feet below surface				
			ML	ARTIFICIAL FILL - poorly graded sand, pinkish gray (7.5YR 7/2). Dry, trace gravel, fine grained sand. 40% sand, 30% silt, 20% gravel, 10% clay. SANDY SILT - light brown (7.5YR 6/3).Dry, very fine grained sand. 50% silt 20% sand, 20% clay, 10% gravel.			5'-5'	57
				SILT - dark reddish brown (5YR 3/2). Dry, very fine grained sand, low plasticity. 60% silt, 20% sand, 10% gravel, 10% clay.			10'-10'	50
				Same as above.			15'-15'	56
				Same as above. Slight moisture Boring converted to dual-nested soil gasprobes at 5 and 15 feet below surface.			20'-20'	58

CURVE

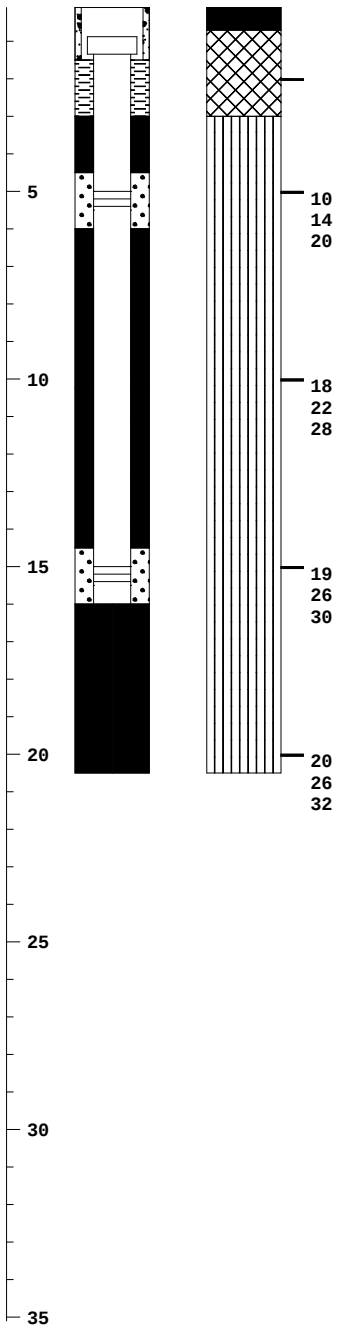


This information pertains only to this boring and should not be interpreted as being indicitive of the site.

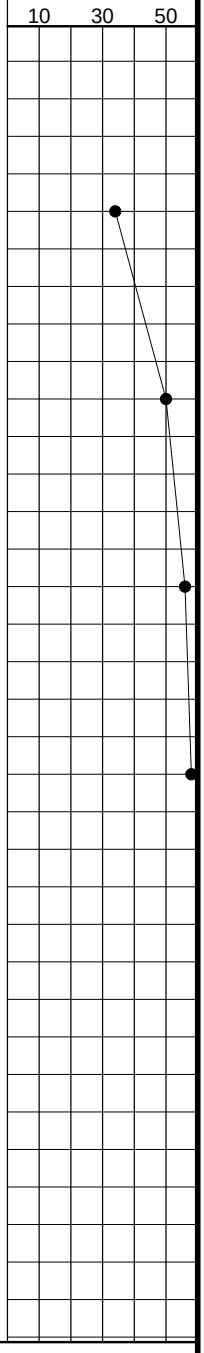
DRILL HOLE LOG
BORING NO.: TtSG-7

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: CME-95 Hollow-Stem Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/11/15
ELEVATION:
LOGGED BY: J.Sandoval
AT COMPLETION ▼ :



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N
			FILL	5" asphalt Hand auger to 5 feet below surface				
			ML	ARTIFICIAL FILL - poorly graded sand with silt, dark reddish gray (25YR 5/1). Moist, fine grained sand, trace gravel. 50% sand, 30% silt, 10% gravel, 10% clay.			5'-5'	34
				SILT - very dark gray (7.5YR 3/1). Moist, moderate plasticity, very fine grained sand. 45% silt, 25% clay, 20% sand, 10% clay.				
				SILT - brown (7.5YR 4/4). Moist, very fine grained sand. 60% silt, 20% sand 10% gravel, 10% clay. gravel, 10% clay.			10'-10'	50
				Same as above.			15'-15'	56
				Same as above. Boring converted to dual-nested soil gasprobes at 5 and 15 feet below surface.			20'-20'	58

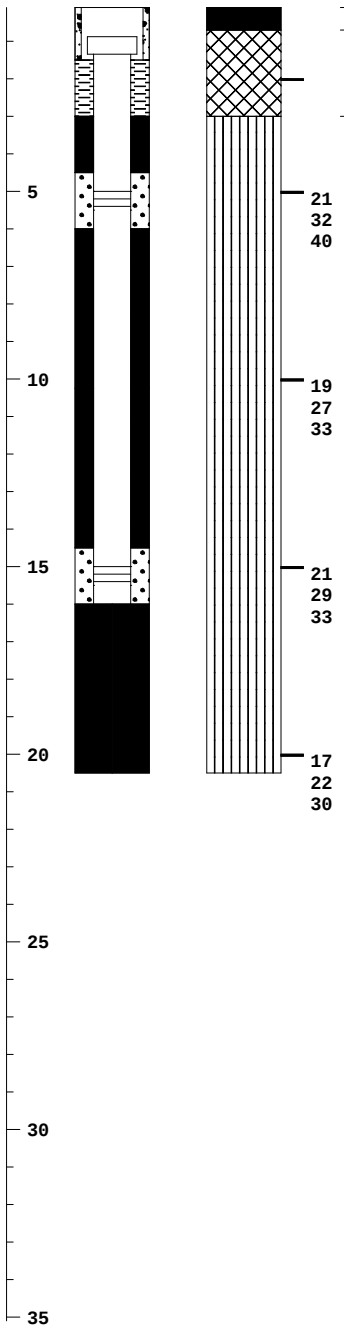


This information pertains only to this boring and should not be interpreted as being indicitive of the site.

DRILL HOLE LOG
BORING NO.: TtSG-8

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: CME-95 Hollow-Stem Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/11/15
ELEVATION:
LOGGED BY: J.Sandoval
AT COMPLETION ▼ :



ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N	CURVE (10 30 50)
			FILL	5" asphalt Hand auger to 5 feet below surface					
			ML	ARTIFICIAL FILL - silt, very dark gray (5YR 3/1). Dry, hard, low plasticity, very fine grained sand. 70% silt, 15% sand, 10% clay, 5% gravel.					
				SILT - reddish gray (10YR 5/1). Dry, hard, very fine grained sand, trace clay. 70% silt, 20% sand, 10% clay.			5'-5'	72	72
				SILT - pinkish gray (5YR 7/2). Dry, hard, very fine grained sand. 70% silt, 20% sand, 10% clay.			10'-10'	60	
				SILT - dark reddish gray (5YR 4/2). Dry, very fine grained sand, low plasticity. 60% silt, 20% sand, 15% clay, 5% gravel.			15'-15'	62	62
				Same as above. Very dark gray (5YR 3/1), slight moisture. Boring converted to dual-nested soil gasprobes at 5 and 15 feet below surface.			20'-20'	52	

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-1*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Building 1 Ramp* **DATE** *5-28-14*

DRILL METHOD *Hand Auger* **DRILL DIAMETER** *3 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							6 inch of CONCRETE, 3 inch of SUBGRADE, HAND AUGER to 5 feet.	
						ML	At 2 feet, SANDY SILT WITH CLAY - olive brown (2.5Y 4/4), damp, very fine to fine grain sand, no odor, 20% sand, 15% clay, 65% silt.	
5						ML	At 5 feet, SANDY SILT - dark olive gray (5Y 3/2), wet saturated, very fine to fine sand, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
10								
15								
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-2*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway at SW Corner of* **DATE** *5-22-14*

DRILL METHOD *Direct Push* **DRILL DIAMETER** *2.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, 4 inch SUBGRADE, HAND AUGER to 5 feet.	
						ML	SANDY SILT - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, traces of pebbles, strong cementation, no odor, 25% sand, 5% gravel, 70% silt.	
						ML	SILT WITH SAND - yellowish brown (10YR 5/6), dry, very fine to fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
5		Acetate Sleeve	0.7			ML	SANDY SILT - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
							same as above, trace of gravel.	
10		Acetate Sleeve	1.6			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), hard, dry, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
		Acetate Sleeve	1.7			ML	SANDY SILT - very dark grayish brown (2.5Y 3/2), very fine to medium grain sand, hard, moist, moderate cementation, no odor, 25% sand, 75% silt.	
15		Acetate Sleeve	1.5			ML	SILT WITH SAND - very dark grayish brown (2.5Y 3/2), very hard, dry, fine grain sand, moderate cementation, no odor, 15% sand, 85% silt.	
		Acetate Sleeve				ML	same as above.	
		Acetate Sleeve	1.2			ML	SILT WITH SAND - very dark grayish brown (2.5Y 3/2), hard, dry, very fine to fine grain sand, moderate cementation, no odor, 15% sand, 85% silt.	
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-3*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Alleyway South of NW* **DATE** *5-22-14*

DRILL METHOD *Direct Push* **DRILL DIAMETER** *2.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, 3 inch SUBGRADE, HAND AUGER to 5 feet.	[redacted]
						ML	SANDY SILT - olive brown (2.5Y 4/4), damp, very fine to fine grain sand, moderate cementation, no odor, 20% sand, 80% silt.	
						ML	SANDY SILT - yellowish brown (10YR 5/4), dry, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
5		Acetate Sleeve				ML	SANDY SILT - dark yellowish brown (10YR 3/6), hard, damp, very fine to fine grain sand, trace of clay, moderate cementation, no odor, 20% sand, 5% clay, 80% silt.	
		Acetate Sleeve				ML	SANDY SILT - dark yellowish brown (10YR 4/4), hard, damp, very fine to medium grain sand, trace of pebbles and fine grain gravel, moderate cementation, no odor, 25% sand, 5% gravel, 70% silt.	
10						ML	SANDY SILT - dark brown (10YR 3/3), hard, damp, very fine to medium grain sand, trace of pebbles and fine grain gravel, moderate cementation, no odor, 25% sand, 5% gravel, 70% silt.	
		Acetate Sleeve				ML	SANDY SILT - dark brown (10YR 3/3), hard, damp, very fine to medium grain sand, trace of clay and pebbles, moderate to hard cementation, no odor, 20% sand, 5% gravel, 5% clay, 70% silt.	
15							SANDY SILT WITH GRAVEL - OLIVE BROWN (2.5Y 4/3), hard, damp, very fine to medium grain sand, fine grain gravel, strong cementation, no odor, 15% sand, 15% gravel, 70% silt. 13 feet to 14 feet, SANDY SILT - very dark grayish brown (2. 5Y 3/2), same as above.	
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-4*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Driveway South of New Self-* **DATE** *5-27-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							4 inch ASPHALT, 5 inch SUBGRADE, HAND AUGER to 5 feet.	
						CL	GRAVELLY LEAN CLAY WITH SAND - very dark grayish brown (2.5Y 3/2), damp, very fine to fine grain sand, 0.5 inch cobbles, trace of silt, no odor, 15% sand, 30% gravel, 50 clay, 5% silt.	
						CL	SANDY LEAN CLAY - very dark grayish brown (2.5Y 3/2), damp, very fine to fine grain sand, trace of silt, no odor, 20% sand, 75% clay, 5% silt.	
5		29/30/44	1.0			CL	SANDY LEAN CLAY - very dark grayish brown (2.5Y 3/2), hard, damp, very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% clay.	
10		33/40/6"	1.0			ML	SANDY SILT WITH GRAVEL - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, 0.8 inch gravel, strong cementation, no odor, 20% sand, 15% gravel, 65% silt.	
15	▽	22/33/40	3.5			ML	SANDY SILT - very dark grayish brown (2.5Y 5/4), hard, moist to wet (water on the sample sleeve), very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
20		22/36/45	1.8			ML	SANDY SILT - very dark grayish brown (2.5Y 5/4), hard, wet, very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
25								
30								
35								
40								

REVIEWING GEOLOGIST *Cliff Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-5*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Adjacent to East SIde of* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3.5 inch ASPHALT, 5 inch SUBGRADE, HAND AUGER to 5 feet.	
						CL	SANDY CLAY - very dark grayish brown (2.5Y 3/3), damp, very fine to medium grain sand, trace of pebbles, no odor, 25% sand, 5% gravel, 70% clay.	
						CL	SANDY CLAY WITH SILT - very dark grayish brown (2.5Y 3/3), damp, very fine to medium grain sand, no odor, 20% sand, 65% clay, 15% silt.	
5		19/20/23	1.4			ML	SANDY SILT - olive brown (2.5Y 4/3), hard , damp, very fine to medium grain sand, trace of pebbles and clay, no odor, 20% sand, 5% gravel, 5% clay. 70% silt.	
10		21/32/46	1.2			ML	SANDY SILT WITH CLAY - olive brown (2.5Y 4/3), hard, damp, very fine to medium grain sand, no odor, trace of silt, no odor, 20% sand, 15% clay, 65% silt.	
15		30/42/44	2.2			CL	SANDY CLAY - dark olive brown (2.5Y 3/3), hard, damp, very fine to medium grain sand, trace of silt, no odor, 25% sand, 70% clay, 5% silt.	
20		27/33/39	1.8			ML	SANDY SILT - olive brown (2.5Y 4/4), hard, damp, very fine to medium grain sand, trace of clay, no odor, 20% sand, 5% clay, 75% silt.	
25								
30								
35								
40								

REVIEWING GEOLOGIST *Cliff Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-6*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Adjacent to East SIde of* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3 inch ASPHALT, 3 inch SUBGRADE, HAND AUGER to 5 feet.	
						ML	SANDY SILT - olive brown (2.5Y 4/4), dry, very fine to medium grain sand, moderate cementation, no odor, 20% sand, 80% silt.	
						ML	SANDY SILT - dark grayish brown (2.5Y 3/2), damp, very fine to medium grain sand, moderate cementation, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
5		36/42/50	1.0			ML	SANDY SILT - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, trace of pebbles, strong cementation, no odor, 25% sand, 5% gravel, 70% silt.	
10		36/46/50	1.1			ML	SANDY SILT - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
15		37/48/50	1.8			ML	SANDY SILT - light olive brown (2.5Y 5/4), hard, dry, very fine to fine grain sand, strong cementation, no odor, 20% sand, 80% silt.	
20		26/36/50	0.9			ML	SANDY SILT - dark yellowish brown (10YR 4/6), hard, dry, very fine to medium grain sand, strong cementation, no odor, 20% sand, 80% silt.	
25								
30								
35								
40								

REVIEWING GEOLOGIST *Cliff Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-7*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *In Driveway Adjacent to* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							MEADOW at the top, HAND AUGER to 5 feet.	
						SM	SILTY SAND - yellowish brown (10YR 5/6), dry, very fine to fine grain sand, trace of pebbles, no odor, 70% sand, 5% gravel, 25% silt.	
						ML	SANDY SILT - dark yellowish brown (10YR 4/4), damp, very fine grain sand, no odor, 25% sand, 75% silt.	
5		26/36/44	2.2			ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard, damp, very fine grain sand, strong cementation, no odor, 10% sand, 90% silt.	
10		22/33/40	1.2			SM	SILTY SAND - yellowish brown (10YR 5/4), very dense, damp, very fine to medium grain sand, no odor, 85% sand, 15% silt.	
15		26/34/39	1.6			ML	SILT WITH SAND - dark yellowish brown (10YR 4/4), hard, damp, very fine grain sand, trace of clay, strong cementation, no odor, 15% sand, 5% clay, 80% silt.	
20		30/39/44	1.4			ML	SILT WITH SAND - dark yellowish brown (10YR 4/4), hard, damp, very fine grain sand, trace of clay, strong cementation, no odor, 15% sand, 5% clay, 80% silt.	
25								
30								
35								
40								

REVIEWING GEOLOGIST *Cliff Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtSB-8*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *In Driveway Adjacent to NE* **DATE** *5-28-14*

DRILL METHOD *Hollow Stem Auger* **DRILL DIAMETER** *8.25 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							3.5 inch ASPHALT, HAND AUGER to 5 feet.	
						ML	SANDY SILT - dark yellowish brown (10YR 4/6), dry, very fine to fine grain sand, trace of clay and pebbles, strong cementation, no odor, 20% sand, 5% gravel, 5% clay, 70% silt.	
						ML	SANDY SILT - dark yellowish brown (10YR 4/6), dry, very fine to fine grain sand, trace of clay and pebbles, strong cementation, no odor, 20% sand, 5% gravel, 5% clay, 70% silt.	
5		18/26/32				ML	SANDY SILT - dark brown (10YR 3/3), hard, dry, very fine to medium grain sand, strong cementation, no odor, 20% sand, 80% silt.	
10		21/32/40				ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard dry, very fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
15		22/36/42				ML	SANDY SILT - dark brown (10YR 3/3), hard, dry, very fine to medium grain sand, strong cementation, no odor, 20% sand, 80% silt.	
20		46/33/39				ML	SANDY SILT - very dark grayish brown (10YR 3/2), hard, damp, very fine to fine grain sand, strong cementation, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
25		27/33/40				ML	SILT WITH SAND - very dark grayish brown (10YR 3/2), hard dry, very fine to fine grain sand, strong cementation, no odor, 15% sand, 85% silt.	
30								
35								
40								

REVIEWING GEOLOGIST *Cliff Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtHA-1*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *MIddle of Building 12* **DATE** *5-23-14*

DRILL METHOD *Hand Auger* **DRILL DIAMETER** *3 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							6 inch CONCRETE, 3 inch SUBGRADE, HAND AUGER to 5.5 feet.	
						ML	SILT WITH SAND - yellowish brown (10YR 5/6), hard, dry, very fine grain sand, trace of pebbles, no odor, 15% sand, 5% gravel, 80% silt.	
						ML	SANDY SILT - yellowish brown (10YR 5/6), hard, dry, very fine grain sand, no odor, 20% sand, 80% silt.	
5						ML	SANDY SILT - yellowish brown (10YR 5/6), hard, dry, very fine grain sand, no odor, 20% sand, 80% silt.	
10								
15								
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtHA-2*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *MIddle of Fenced-in* **DATE** *5-23-14*

DRILL METHOD *Hand Auger* **DRILL DIAMETER** *3 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							6 inch CONCRETE, HAND AUGER to 3 feet.	
						ML	SILT WITH SAND - light yellowish brown (2.5Y 5/6), hard, dry, very fine grain sand, no odor, 15% sand, 85% silt.	
							Refusal at 3 feet.	
5								
10								
15								
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtHA-3*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *Along Central Aisle of "L"* **DATE** *5-23-14*

DRILL METHOD *Hand Auger* **DRILL DIAMETER** *3 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							5 inch CONCRETE, 3 inch SUBGRADE, HAND AUGER to 11.5 feet.	
						ML	SANDY SILT - dark grayish brown (10YR 4/2), damp, very fine to medium grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
						ML	SANDY SILT - dark grayish brown (10YR 4/2), damp, very fine to medium grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
5						ML	SANDY SILT - olive brown (2.5Y 4/3), damp, very fine to medium grain sand, trace of pebbles and clay, no odor, 20% sand, 5% gravel, 5% clay, 70% silt.	
10						ML	SANDY SILT - dark grayish brown (10YR 4/2), damp, very fine to medium grain sand, no odor, 20% sand, 80% silt.	
							Refusal at 11.5 feet.	
15								
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

TETRA TECH BORING LOG

BORING I.D. No. *TtHA-4*

CLIENT *Calabasas Storage* **T.C.** *100-PEN-T31263* **LOCATION** *North East Corner of* **DATE** *5-23-14*

DRILL METHOD *Hand Auger* **DRILL DIAMETER** *3 inches* **FIELD GEOLOGIST** *Shant Babakhanian*

DEPTH (feet)	WATER	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0							4 inch CONCRETE, 3 inch SUBGRADE, HAND AUGER to 5 feet.	
						ML	SILT WITH SAND AND GRAVEL - yellowish brown (10YR 5/5), hard, dry, very fine grain sand, 0.2 inch gravel, no odor, 15% sand, 15% gravel, 70% silt.	
5						ML	SANDY SILT - yellowish brown (10YR 5/6), hard, dry, very fine to fine grain sand, trace of pebbles, no odor, 20% sand, 5% gravel, 75% silt.	
							Refusal at 5 feet.	
10								
15								
20								
25								
30								
35								
40								

REVIEWING GEOLOGIST *Clifford Pollock* **REG. NO.** *4448*

DRILL HOLE LOG
BORING NO.: TtHA-5

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: Hand Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/23/14
ELEVATION:
LOGGED BY: S. Babakhanian
AT COMPLETION ▼ :

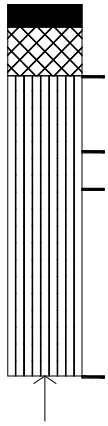
ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N	CURVE 10 30 50
			FILL	5-6" asphalt Hand auger to 10 feet below surface					
			ML	ARTIFICIAL FILL SILT - yellowish brown (10YR 5/6). Hard, dry, very fine grained sand. 85% silt, 15% sand.					
5				SILT - brownish yellow (10YR 6/6). Hard, dry, very fine grained sand. 80% silt, 20% sand. Same as above.					
10				Same as above. Yellowish brown (10YR 6/6). Dry, hard, very fine grained sand, trace pebbles . 20% sand, 75% silt. Refusal at 10 feet bgs.					
15									
20									
25									
30									
35									

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

DRILL HOLE LOG
BORING NO.: TtHA-6

PROJECT: Former Rantec Microwave Systems, Inc.
CLIENT: Calabasas Storage, LLC
LOCATION: Calabasas, CA
DRILLER: BC2 Environmental
DRILL RIG: Hand Auger
DEPTH TO WATER> INITIAL ▽ :

PROJECT NO.: T31263-04
DATE: 05/23/14
ELEVATION:
LOGGED BY: S. Babakhanian
AT COMPLETION ▼ :

ELEVATION/ DEPTH	WELL DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	NM	DD	STANDARD PENETRATION TEST DEPTH	N	CURVE 10 30 50
			FILL	5-6" of gravel surface Hand auger to 10 feet below surface					
			ML	ARTIFICIAL FILL SILT - brownish yellow (10YR 6/6). Dry, very fine grained sand, trace pebbles 70% silt, 25% sand. SILT -yellowish brown (10YR 5/6). Dry very fine grained sand. 85% silt, 15% sand. Same as above. Light yellowish brown (2. 5Y 6/6). Dry, very fine grained sand. 80% silt, 20% sand. Same as above. Refusal at 10 feet bgs.					

5
10
15
20
25
30
35

This information pertains only to this boring and should not be interpreted as being indicitive of the site.

KEY TO SYMBOLS

Symbol	Description
Strata symbols	
	Paving
	Fill
	Poorly graded gravel and sand
	Silty sand
	Silt
	Subgrade
	Plastic clay
	Clayey sand
	Concrete Pavement
Misc. Symbols	
	Water table after well development
	Water table at boring completion

Symbol	Description
Soil Samplers	
	Hand Auger
	Standard penetration test
	Acetate Sleeve
Monitor Well Details	
	Flush-mounted well box/ recessed cover set in concrete
	Blank PVC set in Concrete
	Bentonite slurry
	Pipe set in Granular Bentonite
	Pipe set in silica sand
	Slotted pipe w/ sand
	No pipe, filler material
	Silica sand, no pipe (end plug)
	Granular Bentonite

Notes:

1. 5 Groundwater monitoring wells installed to depths of 40 to 45 feet, 4 inch diameter PVC casing with 20 feet of screen and 5 feet of sump.

2. Groundwater was encountered at depths of 20 to 27 feet, under confined conditions. Following well development, well water levels were typically at 11 to 13 feet.

3. These logs are subject to limitations, conclusions, and recommendations in this report.

4. Results of tests conducted on samples recovered are reported on the logs.

KEY TO SYMBOLS

Symbol Description

Monitor Well Details

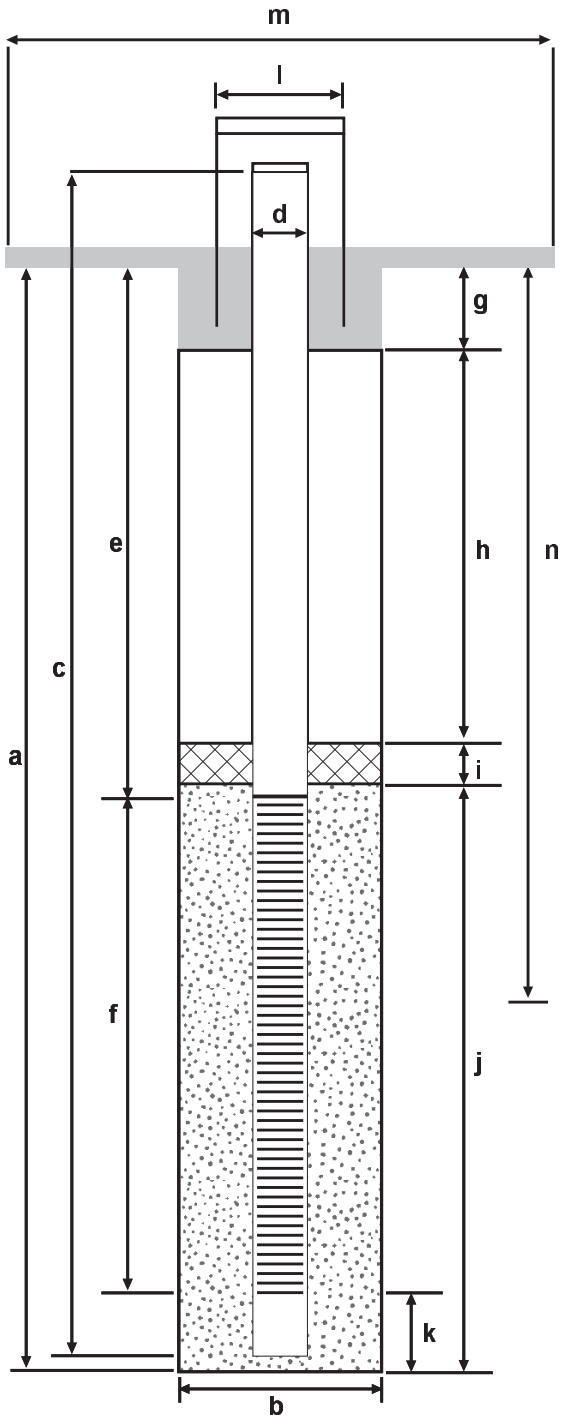
■	**No pipe, Bentonite sealed**

APPENDIX B

Monitoring Well Construction Diagrams

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-1



EXPLORATORY BORING

a. TOTAL DEPTH 55 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 40 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 15 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 15-35 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.02 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 8 ft.

BACKFILL MATERIAL cement grout

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #3 Monterey sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 20 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-1
Construction Details

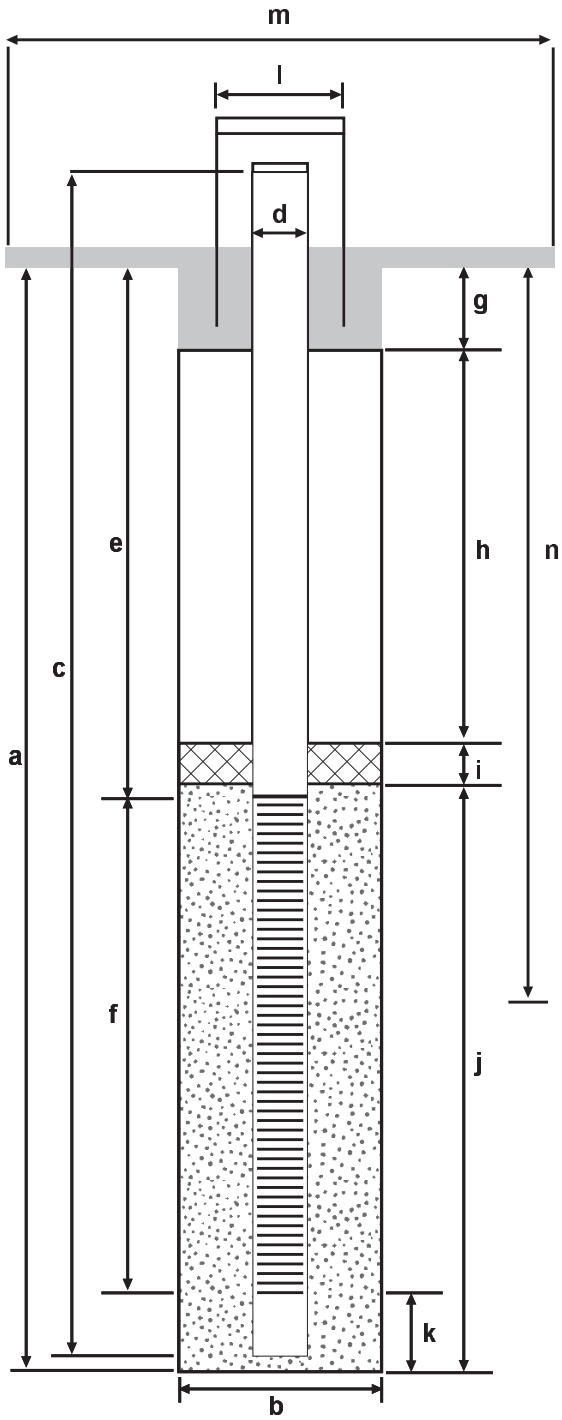
TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 8/20/14
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure B-1

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-2



EXPLORATORY BORING

a. TOTAL DEPTH 45 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 45 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 20 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 20-40 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.02 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 12 ft.

BACKFILL MATERIAL cement grout

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #3 Monterey sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 25 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-2
Construction Details

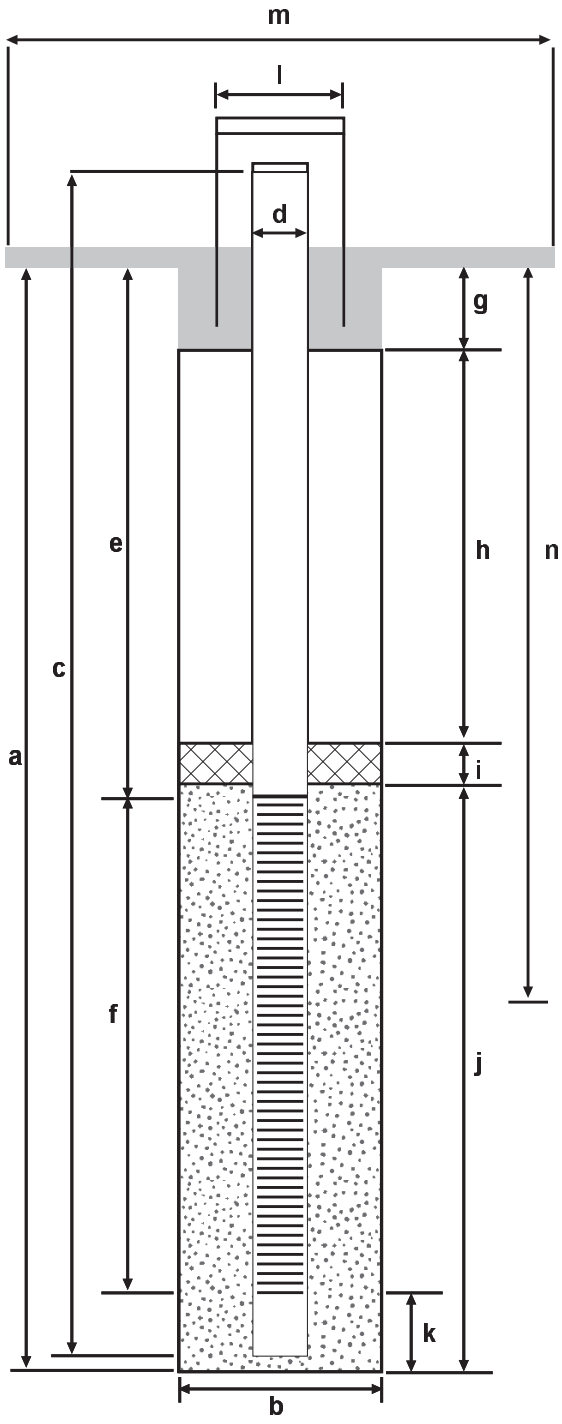
TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 8/20/14
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure B-2

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-3



EXPLORATORY BORING

a. TOTAL DEPTH 42 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 40 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 15 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 15-35 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.02 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 7 ft.

BACKFILL MATERIAL cement grout

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #3 Monterey sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 23 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-3
Construction Details

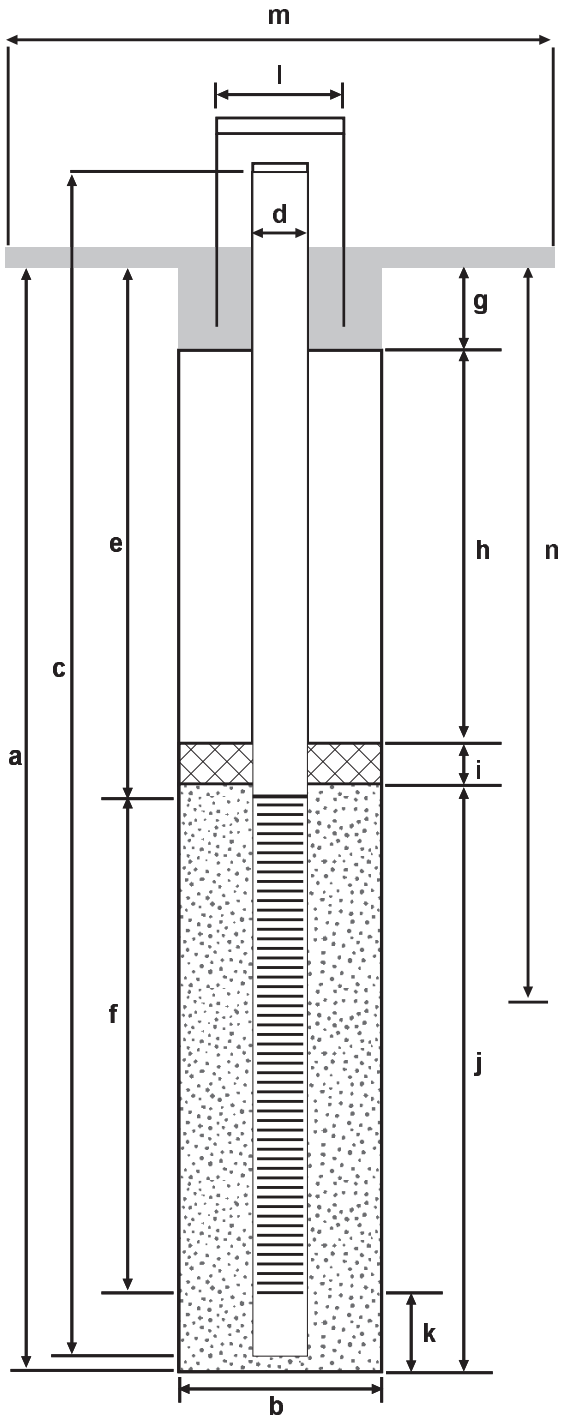
TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 8/20/14
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure B-3

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-4



EXPLORATORY BORING

a. TOTAL DEPTH 40 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 40 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 15 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 15-35 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.02 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 7 ft.

BACKFILL MATERIAL cement grout

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #3 Monterey sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 22 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-4
Construction Details

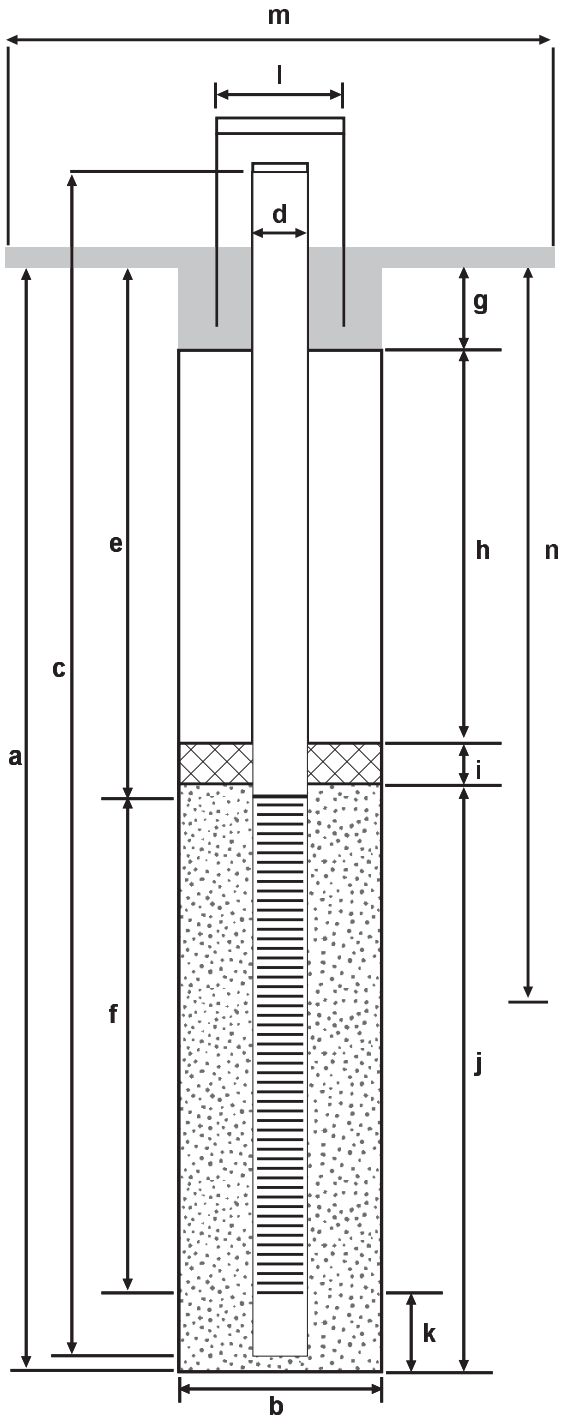
TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 8/20/14
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure B-4

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-5



EXPLORATORY BORING

a. TOTAL DEPTH 40 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 40 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 15 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 15-35 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.02 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 7 ft.

BACKFILL MATERIAL hydrated med. bentonite chips

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #3 Monterey sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 27 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-5
Construction Details

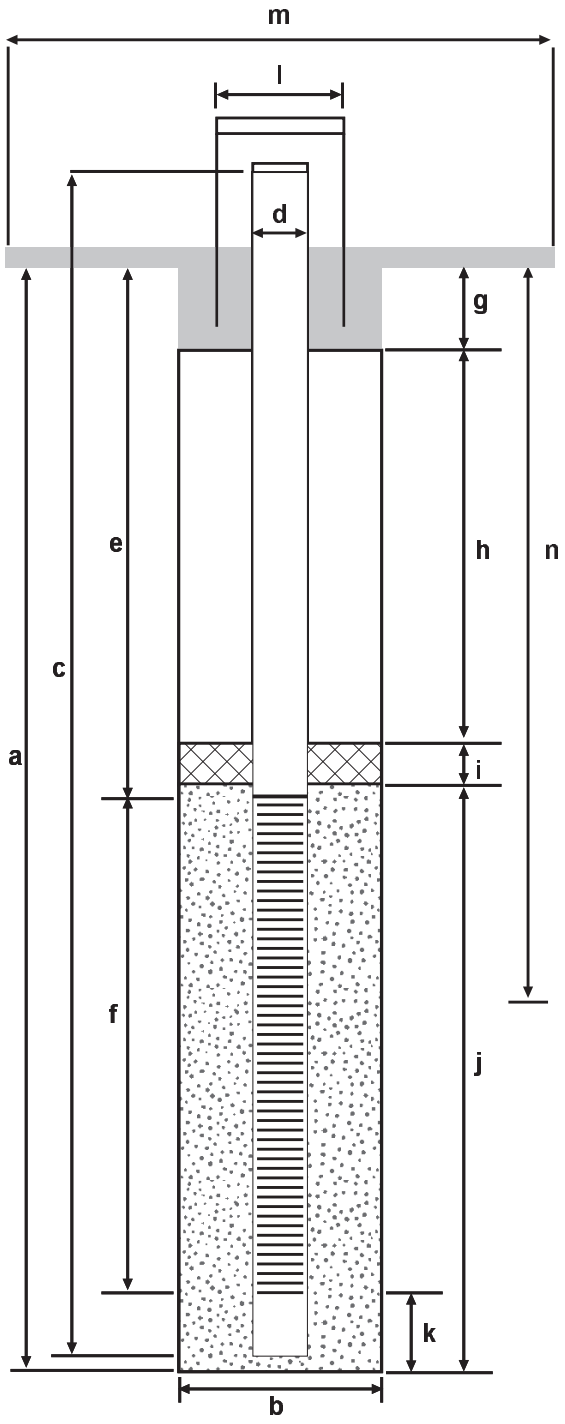
TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 8/20/14
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure B-5

ILLUSTRATION OF WELL CONSTRUCTION DIAGRAM

Well ID TtMW-6



EXPLORATORY BORING

a. TOTAL DEPTH 40 ft. bgs.

b. DIAMETER 10.25 in.

DRILLING METHOD HSA

WELL CONSTRUCTION

c. TOTAL CASING LENGTH 40 ft.

MATERIAL Schedule 40 PVC

d. INSIDE DIAMETER 4 in.

e. DEPTH TO TOP PERFORATIONS 15 ft. bgs.

f. PERFORATED LENGTH 20 ft.

PERFORATED INTERVAL FROM 15-35 ft. bgs.

PERFORATION TYPE mill-cut

PERFORATION SIZE 0.01 in.

g. SURFACE SEAL 3 ft.

SEAL MATERIAL ready mix concrete

h. BACKFILL 7 ft.

BACKFILL MATERIAL hydrated med. bentonite chips

i. SEAL 3 ft.

SEAL MATERIAL hydrated med. bentonite chips

j. GRAVEL PACK 27 ft.

PACK MATERIAL #2/16 Silica sand

k. SEDIMENT TRAP 5.0 ft.

l. WELL COVER DIAMETER 12 in.

m. CONCRETE PAD 1.5 ft.

n. APPROXIMATE GROUND WATER DEPTH 23 ft.

Note: bgs = Below ground surface

Former Rantec Microwave & Electronics, Inc.

Well TtMW-6
Construction Details

TETRA TECH

Prepared by: BD
Reviewed by: CP
Date: 5/20/15
File: 31263 Calabasas\Well_Construction Diagram.cdr

Figure A-5

APPENDIX C

Analytical Results

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 46
Date Received 05/19/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73205	05/19/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 9 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86025

AETL JOB No. 73205

Page ____ of ____

COMPANY: Tetra tech
PROJECT MANAGER: Salar Niku
COMPANY ADDRESS: 3475 E. Foothill Blvd, Pasadena, CA
PHONE: 1-626-470-2455
FAX:
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura Blvd, Calabasas, California 91302
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TITLE 22 METALS 6010B/7471A	TPH-G 8015G	TPH-D 8015D	CrVI (7199)	VOCs (8260B)						TEST INSTRUCTIONS & COMMENTS
1	TtMW-5-5'	73205.01	05-19-14	0842	SOIL	1x 6.5S-Tube 4x VOAs 40ml	ICED	X	X	X	X	X						
2	TtMW-5-15'	73205.02	05-19-14	0900	"	"	"	X	X	X	X	X						
3	TtMW-5-25'	73205.03		0922	"	"	"	X	X	X	X	X						
4	TtMW-5-35	73205.04		0947	"	"	"	X	X	X	X	X						
5	TtMW-1-5'	73205.05		1430	"	"	"	X	X	X	X	X						
6	TtMW-1-15'	73205.06		1439	"	"	"	X	X	X	X	X						
7	TtMW-1-25'	73205.07		1455	S	"	"	X	X	X	X	X						
8	TtMW-1-25-D	73205.08		1455	S	"	"	X	X	X	X	X						
9	TtMW-1-35'	73205.09		1512	"	"	"	X	X	X	X	X						
10	EQ-Blnk-1	73205.10		1540	Water	2x 250ml 5x 40ml VOA 1x Amber	"	X	X	X	X	X						
11																		
12	Trip Blnk	73205.11	"	1550	water	2x VOA 40ml	"					X						
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	55	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Shant Babakhanian	Printed Name:	Printed Name: Sangis P
Date: 05-19-14 Time: 1555	Date: Time:	Date: 5.19.14 Time: 1700
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.** AETL
Signature:	Signature:	Signature:
Printed Name: Sangis P	Printed Name:	Printed Name: Sergio Conde
Date: 5.19.14 Time: 1555	Date: Time:	Date: 05/19/14 Time: 1700

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☒ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/19/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73205	05/19/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 11 samples with the following specification on 05/19/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73205.10	EQB-1	05/19/2014	Aqueous	8

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/26/2014	2	Normal	mg/L
7199	05/26/2014	2	Normal	ug/L
8260B	05/26/2014	2	Normal	ug/L
M8015D ^ C13-C40	05/20/2014	2	Normal	mg/L
M8015G	05/26/2014	2	Normal	mg/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73205.11	TB-1	05/19/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	05/26/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73205.01	TtMW-5-5'	05/19/2014	Soil	5
73205.02	TtMW-5-15'	05/19/2014	Soil	5
73205.03	TtMW-5-25'	05/19/2014	Soil	5
73205.04	TtMW-5-35'	05/19/2014	Soil	5
73205.05	TtMW-1-5'	05/19/2014	Soil	5
73205.06	TtMW-1-15'	05/19/2014	Soil	5
73205.07	TtMW-1-25'	05/19/2014	Soil	5
73205.08	TtMW-1-25'-D	05/19/2014	Soil	5
73205.09	TtMW-1-35'	05/19/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/26/2014	2	Normal	mg/Kg
(7199)	05/26/2014	2	Normal	mg/Kg
(8260B)	05/26/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	05/26/2014	2	Normal	mg/Kg
(M8015G)	05/26/2014	2	Normal	mg/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/19/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73205	05/19/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			Method Blank	**73205.01**	**73205.02**		
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			Method Blank	**73205.01**	**73205.02**		
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			Method Blank	**73205.01**	**73205.02**		
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73205.01**	**73205.02**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		100	99.4	119		
Dibromofluoromethane	75-125		105	109	122		
Toluene-d8	75-125		102	100	121		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73205.03**			
Client Sample I.D.				TtMW-5-25'			
Date Sampled				05/19/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73205.03**			
Client Sample I.D.				TtMW-5-25'			
Date Sampled				05/19/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73205.03**			
Client Sample I.D.				TtMW-5-25'			
Date Sampled				05/19/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**73205.03**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		101	116			
Dibromofluoromethane	75-125		101	119			
Toluene-d8	75-125		100	124			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			73205.04	73205.05	73205.06	73205.07	73205.08
Client Sample I.D.			TtMW-5-35'	TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			73205.04	73205.05	73205.06	73205.07	73205.08
Client Sample I.D.			TtMW-5-35'	TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	106	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	36.4	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1

Our Lab I.D.			**73205.04**	**73205.05**	**73205.06**	**73205.07**	**73205.08**
Client Sample I.D.			TtMW-5-35'	TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			**73205.04**	**73205.05**	**73205.06**	**73205.07**	**73205.08**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		116	98.0	125	121	123
Dibromofluoromethane	75-125		116	107	115	123	113
Toluene-d8	75-125		118	100	124	121	114

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			**73205.09**				
Client Sample I.D.			TtMW-1-35'				
Date Sampled			05/19/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/24/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			**73205.09**				
Client Sample I.D.			TtMW-1-35'				
Date Sampled			05/19/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/24/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			**73205.09**				
Client Sample I.D.			TtMW-1-35'				
Date Sampled			05/19/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/24/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73205.09**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		116				
Dibromofluoromethane	75-125		125				
Toluene-d8	75-125		124				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB2

Our Lab I.D.			Method Blank	**73205.01**			
Client Sample I.D.				TtMW-5-5'			
Date Sampled				05/19/2014			
Date Prepared			05/21/2014	05/21/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**73205.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		83.6	114			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1

Our Lab I.D.			Method Blank	**73205.02**	**73205.03**	**73205.04**	
Client Sample I.D.				TtMW-5-15'	TtMW-5-25'	TtMW-5-35'	
Date Sampled				05/19/2014	05/19/2014	05/19/2014	
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	0.210J	0.203J	0.129J	
Our Lab I.D.			Method Blank	**73205.02**	**73205.03**	**73205.04**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		91.8	80.2	76.4	81.4	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 16

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB2

Our Lab I.D.			**73205.05**	**73205.06**			
Client Sample I.D.			TtMW-1-5'	TtMW-1-15'			
Date Sampled			05/19/2014	05/19/2014			
Date Prepared			05/21/2014	05/21/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.265J	0.171J			
Our Lab I.D.			**73205.05**	**73205.06**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		112	78.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1

Our Lab I.D.			**73205.07**				
Client Sample I.D.			TtMW-1-25'				
Date Sampled			05/19/2014				
Date Prepared			05/29/2014				
Preparation Method			5035A				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.139J				
Our Lab I.D.			**73205.07**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		73.0				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **18**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052714NB1

Our Lab I.D.			Method Blank	**73205.08**			
Client Sample I.D.				TtMW-1-25'-D			
Date Sampled				05/19/2014			
Date Prepared			05/27/2014	05/27/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/27/2014	05/28/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**73205.08**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		83.0	91.2			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 19

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB2

Our Lab I.D.			**73205.09**				
Client Sample I.D.			TtMW-1-35'				
Date Sampled			05/19/2014				
Date Prepared			05/21/2014				
Preparation Method			5035A				
Date Analyzed			05/22/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.156J				
Our Lab I.D.			**73205.09**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		78.0				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB1

Our Lab I.D.			Method Blank	**73205.01**	**73205.02**	**73205.03**	**73205.04**
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'	TtMW-5-25'	TtMW-5-35'
Date Sampled				05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	20.8	27.9	13.6
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	7.08	68.5	69.6	34.0
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	7.08	89.3	97.5	47.6
Our Lab I.D.			Method Blank	**73205.01**	**73205.02**	**73205.03**	**73205.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		105	110	104	106	105

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB1

Our Lab I.D.			**73205.05**	**73205.06**	**73205.07**	**73205.08**	**73205.09**
Client Sample I.D.			TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D	TtMW-1-35'
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	5.42	31.0	15.6	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	47.5	154	79.9	35.5
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	52.9	185	95.5	35.5
Our Lab I.D.			**73205.05**	**73205.06**	**73205.07**	**73205.08**	**73205.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		105	105	106	106	102

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0521142C1

Our Lab I.D.			Method Blank	73205.01	73205.02	73205.03	73205.04
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'	TtMW-5-25'	TtMW-5-35'
Date Sampled				05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	4.04J
Barium	2.5	5.0	ND	95.5	73.8	78.3	81.9
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	24.7	29.6	29.7	33.4
Cobalt	2.5	5.0	ND	4.90J	8.38	7.54	8.00
Copper	2.5	5.0	ND	38.0	32.7	38.6	37.5
Lead	2.5	5.0	ND	ND	2.53J	3.01J	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	7.11	4.02J	4.67J
Nickel	2.5	5.0	ND	30.1	50.4	39.2	44.1
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	21.6	24.0	29.5	34.6
Zinc	2.5	5.0	ND	47.7	75.0	75.9	82.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0521142C1

Our Lab I.D.			73205.05	73205.06	73205.07	73205.08	73205.09
Client Sample I.D.			TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D	TtMW-1-35'
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			05/22/2014	05/22/2014	05/22/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	6.15	ND	5.00	6.94	ND
Barium	2.5	5.0	154	55.1	54.7	65.3	51.1
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	23.1	31.8	40.2	43.1	36.2
Cobalt	2.5	5.0	ND	6.97	7.68	7.24	6.46
Copper	2.5	5.0	25.7	27.5	46.7	42.6	19.4
Lead	2.5	5.0	ND	ND	3.39J	3.01J	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	3.42J	7.23	7.39	7.48	3.56J
Nickel	2.5	5.0	26.8	41.1	54.4	55.0	38.5
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	18.3	24.2	48.1	72.5	25.2
Zinc	2.5	5.0	49.4	67.7	89.0	80.1	54.3

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052114-1

Our Lab I.D.			Method Blank	**73205.01**	**73205.02**	**73205.03**	**73205.04**
Client Sample I.D.				TtMW-5-5'	TtMW-5-15'	TtMW-5-25'	TtMW-5-35'
Date Sampled				05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2000	05/21/2000	05/21/2000	05/21/2000	05/21/2000
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 25

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052114-1

Our Lab I.D.			73205.05	73205.06	73205.07	73205.08	73205.09
Client Sample I.D.			TtMW-1-5'	TtMW-1-15'	TtMW-1-25'	TtMW-1-25'-D	TtMW-1-35'
Date Sampled			05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/19/2014
Date Prepared			05/21/2000	05/21/2000	05/21/2000	05/21/2000	05/21/2000
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73205.10**	**73205.11**		
Client Sample I.D.				EQB-1	TB-1		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73205.10**	**73205.11**		
Client Sample I.D.				EQB-1	TB-1		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73205.10**	**73205.11**		
Client Sample I.D.				EQB-1	TB-1		
Date Sampled				05/19/2014	05/19/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73205.10**	**73205.11**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		116	122	119		
Dibromofluoromethane	75-125		105	108	108		
Toluene-d8	75-125		98.5	99.8	100		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 28

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB1

Our Lab I.D.			Method Blank	**73205.10**			
Client Sample I.D.				EQB-1			
Date Sampled				05/19/2014			
Date Prepared			05/21/2014	05/21/2014			
Preparation Method			5030B	5030B			
Date Analyzed			05/21/2014	05/21/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73205.10**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		119	101			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 29

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1

Our Lab I.D.			Method Blank	**73205.10**			
Client Sample I.D.				EQB-1			
Date Sampled				05/19/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3510C	3510C			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73205.10**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		107	82.0			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 30

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1

Our Lab I.D.			Method Blank	**73205.10**			
Client Sample I.D.				EQB-1			
Date Sampled				05/19/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3005A	3005A			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052014-1

Our Lab I.D.			Method Blank	**73205.10**			
Client Sample I.D.				EQB-1			
Date Sampled				05/19/2014			
Date Prepared			05/20/2014	05/20/2014			
Preparation Method			7199	7199			
Date Analyzed			05/20/2014	05/20/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **32**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	0.500	0.470	94.6	0.500	0.480	96.2	1.68	75-125	<15
Arsenic	0.00	0.500	0.530	105	0.500	0.510	102	2.90	75-125	<15
Barium	0.00	1.00	0.930	93.2	1.00	0.920	92.1	1.19	75-125	<15
Beryllium	0.00	0.500	0.470	94.8	0.500	0.470	94.0	<1	75-125	<15
Cadmium	0.00	0.500	0.470	93.0	0.500	0.460	92.6	<1	75-125	<15
Chromium	0.00	0.500	0.450	89.4	0.500	0.450	89.2	<1	75-125	<15
Cobalt	0.0100	0.500	0.450	87.4	0.500	0.440	86.8	<1	75-125	<15
Copper	0.00	0.500	0.420	84.6	0.500	0.420	83.8	<1	75-125	<15
Lead	0.00	0.500	0.420	84.0	0.500	0.420	83.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.0101	101	0.0100	0.0102	102	<1	75-125	<15
Molybdenum	0.318	0.500	0.770	89.6	0.500	0.760	89.0	<1	75-125	<15
Nickel	0.113	0.500	0.560	89.6	0.500	0.560	89.4	<1	75-125	<15
Selenium	0.00	0.500	0.470	93.2	0.500	0.470	94.6	1.49	75-125	<15
Silver	0.00	1.00	0.890	89.2	1.00	0.890	88.9	<1	75-125	<15
Thallium	0.00	0.500	0.390	78.0	0.500	0.390	77.0	1.29	75-125	<15
Vanadium	0.00	0.500	0.440	87.8	0.500	0.430	86.8	1.15	75-125	<15
Zinc	0.0980	0.500	0.590	97.3	0.500	0.590	98.3	1.02	75-125	<15

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	0.500	0.500	100	0.500	0.500	100	<1	75-125	<15	
Arsenic	0.500	0.510	101	0.500	0.500	99.0	2.00	75-125	<15	
Barium	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15	
Beryllium	0.500	0.530	106	0.500	0.520	105	<1	75-125	<15	
Cadmium	0.500	0.500	99.4	0.500	0.490	98.4	1.01	75-125	<15	
Chromium	0.500	0.500	99.0	0.500	0.490	98.4	<1	75-125	<15	
Cobalt	0.500	0.480	96.0	0.500	0.480	96.8	<1	75-125	<15	
Copper	0.500	0.480	96.6	0.500	0.480	96.0	<1	75-125	<15	
Lead	0.500	0.470	94.2	0.500	0.480	95.2	1.06	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.00993	99.3	0.0100	0.00986	98.6	<1	75-125	<15	
Molybdenum	0.500	0.500	100	0.500	0.510	101	<1	75-125	<15	
Nickel	0.500	0.480	95.4	0.500	0.480	96.0	<1	75-125	<15	
Selenium	0.500	0.540	109	0.500	0.530	105	3.74	75-125	<15	
Silver	1.00	0.970	97.2	1.00	0.970	96.8	<1	75-125	<15	
Thallium	0.500	0.490	97.4	0.500	0.490	97.0	<1	75-125	<15	
Vanadium	0.500	0.500	99.8	0.500	0.500	99.2	<1	75-125	<15	
Zinc	0.500	0.530	105	0.500	0.520	104	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **34**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052014-1; Dup or Spiked Sample: 73205.10; LCS: Clean Water; QC Prepared: 05/20/2014; QC Analyzed: 05/20/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.500	0.425	85.0	0.500	0.406	81.1	4.7	85-115	<20

QC Batch No: 052014-1; Dup or Spiked Sample: 73205.10; LCS: Clean Water; QC Prepared: 05/20/2014; QC Analyzed: 05/20/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	0.879	87.9	1.00	0.833	83.3	5.4	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **35**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1; Dup or Spiked Sample: B0522141A1; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/23/2014; LCS Analyzed: 05/22/2014; Units: ug/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	45.2	90.4	50.0	45.5	91.0	<1	75-125	<20	
Chlorobenzene	50.0	45.9	91.8	50.0	47.1	94.2	2.58	75-125	<20	
1,1-Dichloroethene	50.0	47.8	95.6	50.0	48.4	96.8	1.25	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.6	117	50.0	60.1	120	2.53	75-125	<20	
Toluene (Methyl benzene)	50.0	44.8	89.6	50.0	45.4	90.8	1.33	75-125	<20	
Trichloroethene	50.0	48.3	96.6	50.0	48.7	97.4	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	54.4	109	50.0	53.5	107	1.83	75-125	<20	
Dibromofluoromethane	50.0	54.2	108	50.0	54.3	109	<1	75-125	<20	
Toluene-d8	50.0	49.6	99.1	50.0	48.7	97.4	1.72	75-125	<20	

QC Batch No: 0522141A1; Dup or Spiked Sample: B0522141A1; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/23/2014; LCS Analyzed: 05/22/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	44.8	89.6	50.0	45.6	91.0	1.55	75-125	<20	
Chlorobenzene	50.0	46.6	93.2	50.0	48.0	96.0	2.96	75-125	<20	
1,1-Dichloroethene	50.0	43.2	86.4	50.0	47.7	95.4	9.90	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	57.8	116	50.0	56.9	114	1.74	75-125	<20	
Toluene (Methyl benzene)	50.0	44.6	89.2	50.0	46.7	93.0	4.17	75-125	<20	
Trichloroethene	50.0	47.4	94.8	50.0	49.3	99.0	4.33	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	49.9	99.8	50.0	50.8	102	2.18	75-125	<20	
Ethylbenzene	50.0	49.2	98.4	50.0	50.3	101	2.61	75-125	<20	
1,1,1-Trichloroethane	50.0	47.8	95.6	50.0	47.7	95.0	<1	75-125	<20	
o-Xylene	50.0	46.8	93.6	50.0	47.7	95.0	1.48	75-125	<20	
m,p-Xylenes	100	97.1	97.1	100	101	101	3.94	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	53.3	107	50.0	54.2	108	<1	75-125	<20	
Dibromofluoromethane	50.0	52.9	106	50.0	53.3	107	<1	75-125	<20	
Toluene-d8	50.0	48.3	96.6	50.0	50.1	100	3.52	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 36

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.531	5.00	5.51	99.6	5.00	5.33	96.0	3.68	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	2.31	116	2.00	2.15	108	6.90	60-125	<20

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	5.00	5.25	105	5.00	5.49	110	4.65	75-125	<20	
Surrogates										
Chlorobenzene	2.00	2.15	108	2.00	2.20	110	1.85	60-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB1; Dup or Spiked Sample: B052114NB1; LCS: Clean Water; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.458	91.6	0.500	0.484	96.8	5.5	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0470	94.0	0.0500	0.0463	92.6	1.5	75-125	<20

QC Batch No: 052114NB1; Dup or Spiked Sample: B052114NB1; LCS: Clean Water; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.485	97.0	0.500	0.474	94.8	2.3	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0441	88.2	0.0500	0.0498	99.6	12.1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0521142C1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/22/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	44.3	88.6	50.0	44.5	89.0	<1	75-125	<15
Arsenic	0.00	50.0	42.9	85.8	50.0	43.5	87.0	1.39	75-125	<15
Barium	95.5	50.0	131 M	71.0	50.0	131 M	71.0	<1	75-125	<15
Beryllium	0.00	50.0	44.8	89.6	50.0	45.1	90.2	<1	75-125	<15
Cadmium	0.00	50.0	42.9	85.8	50.0	43.0	86.0	<1	75-125	<15
Chromium	24.7	50.0	70.3	91.2	50.0	70.4	91.4	<1	75-125	<15
Cobalt	4.90	50.0	46.9	84.0	50.0	46.4	83.0	1.20	75-125	<15
Copper	38.0	50.0	85.6	95.2	50.0	86.0	96.0	<1	75-125	<15
Lead	0.00	50.0	41.0	82.0	50.0	40.7	81.4	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.440	87.9	0.500	0.439	87.8	<1	75-125	<15
Molybdenum	0.00	50.0	45.0	90.0	50.0	44.4	88.8	1.34	75-125	<15
Nickel	30.1	50.0	69.7	79.2	50.0	68.9	77.6	2.04	75-125	<15
Selenium	0.00	50.0	41.1	82.2	50.0	40.9	81.8	<1	75-125	<15
Silver	0.00	50.0	43.1	86.2	50.0	43.3	86.6	<1	75-125	<15
Thallium	0.00	50.0	38.2	76.4	50.0	37.3	74.6	2.38	75-125	<15
Vanadium	21.6	50.0	69.3	95.4	50.0	69.2	95.2	<1	75-125	<15
Zinc	47.7	50.0	89.3	83.2	50.0	90.0	84.6	1.67	75-125	<15

QC Batch No: 0521142C1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/22/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	49.8	99.6	50.0	49.2	98.4	1.21	75-125	<15	
Arsenic	50.0	49.9	99.8	50.0	49.4	98.8	1.01	75-125	<15	
Barium	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Beryllium	50.0	51.0	102	50.0	51.2	102	<1	75-125	<15	
Cadmium	50.0	49.6	99.2	50.0	49.5	99.0	<1	75-125	<15	
Chromium	50.0	51.2	102	50.0	51.3	103	<1	75-125	<15	
Cobalt	50.0	52.0	104	50.0	51.9	104	<1	75-125	<15	
Copper	50.0	52.4	105	50.0	52.3	105	<1	75-125	<15	
Lead	50.0	50.2	100	50.0	50.6	101	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0521142C1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/22/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.505	101	0.500	0.510	102	<1	75-125	<15	
Molybdenum	50.0	51.8	104	50.0	52.3	105	<1	75-125	<15	
Nickel	50.0	51.2	102	50.0	51.2	102	<1	75-125	<15	
Selenium	50.0	48.8	97.6	50.0	48.9	97.8	<1	75-125	<15	
Silver	50.0	48.2	96.4	50.0	48.1	96.2	<1	75-125	<15	
Thallium	50.0	52.5	105	50.0	52.6	105	<1	75-125	<15	
Vanadium	50.0	51.1	102	50.0	51.4	103	<1	75-125	<15	
Zinc	50.0	49.4	98.8	50.0	49.2	98.4	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 40

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052114-1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.280	112	0.250	0.278	111	<1	75-125	<20

QC Batch No: 052114-1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.263	105	0.250	0.265	106	<1	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **41**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522142A1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	36.3 M	72.6	50.0	43.7	87.4	18.5	75-125	<20
Chlorobenzene	0.00	50.0	34.8 M	69.6	50.0	39.4	78.8	12.4	75-125	<20
1,1-Dichloroethene	0.00	50.0	32.4 M	64.8	50.0	42.9	85.8	27.9	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	47.2	94.4	50.0	48.9	97.8	3.54	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	34.6 M	69.2	50.0	41.8	83.6	18.8	75-125	<20
Trichloroethene	0.00	50.0	36.8 M	73.6	50.0	45.5	91.0	21.1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	50.0	100	50.0	50.0	100	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	50.5	101	50.0	50.0	100	<1	75-125	<20
Toluene-d8	0.00	50.0	49.9	99.7	50.0	49.6	99.1	<1	75-125	<20

QC Batch No: 0522142A1; Dup or Spiked Sample: 73205.01; LCS: Clean Sand; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	48.9	97.8	50.0	46.3	93.0	5.03	75-125	<20	
Chlorobenzene	50.0	45.7	91.4	50.0	42.3	85.0	7.26	75-125	<20	
1,1-Dichloroethene	50.0	47.3	94.6	50.0	41.1	82.0	14.3	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	51.6	103	50.0	51.5	103	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	46.6	93.2	50.0	43.4	87.0	6.88	75-125	<20	
Trichloroethene	50.0	51.5	103	50.0	46.6	93.0	10.2	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.6	93.2	50.0	45.2	90.0	3.49	75-125	<20	
Ethylbenzene	50.0	44.9	89.8	50.0	41.4	83.0	7.87	75-125	<20	
1,1,1-Trichloroethane	50.0	47.4	94.8	50.0	45.5	91.0	4.09	75-125	<20	
o-Xylene	50.0	43.5	87.0	50.0	41.5	83.0	4.71	75-125	<20	
m,p-Xylenes	100	87.6	87.6	100	80.4	80.4	8.57	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.2	98.5	50.0	49.3	98.6	<1	75-125	<20	
Dibromofluoromethane	50.0	47.6	95.1	50.0	47.9	95.9	<1	75-125	<20	
Toluene-d8	50.0	49.1	98.1	50.0	48.4	96.8	1.33	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **42**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2; Dup or Spiked Sample: B0523142A2; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	48.1	96.2	50.0	48.7	97.4	1.24	75-125	<20
Chlorobenzene	0.00	50.0	44.4	88.8	50.0	44.0	88.0	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	46.3	92.6	50.0	48.1	96.2	3.81	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	50.0	100	50.0	48.3	96.6	3.46	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	45.6	91.2	50.0	46.3	92.6	1.52	75-125	<20
Trichloroethene	0.00	50.0	49.5	99.0	50.0	51.5	103	3.96	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.2	96.4	50.0	48.1	96.1	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	45.8	91.5	50.0	45.7	91.4	<1	75-125	<20
Toluene-d8	0.00	50.0	48.9	97.8	50.0	47.2	94.3	3.58	75-125	<20

QC Batch No: 0523142A2; Dup or Spiked Sample: B0523142A2; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	47.2	94.4	50.0	46.1	92.0	2.58	75-125	<20	
Chlorobenzene	50.0	44.4	88.8	50.0	43.7	87.0	2.05	75-125	<20	
1,1-Dichloroethene	50.0	41.7	83.4	50.0	42.7	85.0	1.90	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.7	101	50.0	50.8	102	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	45.0	90.0	50.0	43.6	87.0	3.39	75-125	<20	
Trichloroethene	50.0	50.8	102	50.0	48.3	97.0	5.03	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	45.0	90.0	50.0	45.4	91.0	1.10	75-125	<20	
Ethylbenzene	50.0	44.0	88.0	50.0	42.6	85.0	3.47	75-125	<20	
1,1,1-Trichloroethane	50.0	48.1	96.2	50.0	45.5	91.0	5.56	75-125	<20	
o-Xylene	50.0	42.7	85.4	50.0	43.2	86.0	<1	75-125	<20	
m,p-Xylenes	100	86.5	86.5	100	84.0	84.0	2.93	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.7	99.4	50.0	48.9	97.7	1.71	75-125	<20	
Dibromofluoromethane	50.0	45.1	90.2	50.0	45.7	91.5	1.44	75-125	<20	
Toluene-d8	50.0	48.2	96.4	50.0	46.5	93.1	3.42	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **43**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB1; Dup or Spiked Sample: 73198.02; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	526	105	500	507	101	3.88	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	102	102	100	99.1	99.1	2.84	75-125	<20

QC Batch No: 052114DB1; Dup or Spiked Sample: 73198.02; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	515	103	75-125						
Surrogates										
Chlorobenzene	100	101	101	75-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **44**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB2; Dup or Spiked Sample: 73205.01AGA; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/22/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.890	89.4	1.00	0.950	95.4	6.49	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0566	113	0.0500	0.0533	107	5.31	75-125	<20

QC Batch No: 052114NB2; Dup or Spiked Sample: 73205.01AGA; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/22/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.960	95.7	1.00	0.830	83.3	13.9	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0522	104	0.0500	0.0448	89.6	13.8	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **45**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052714NB1; Dup or Spiked Sample: 73283.01AGA; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.870	87.0	1.00	0.870	87.4	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0478	95.6	0.0500	0.0513	103	7.74	75-125	<20

QC Batch No: 052714NB1; Dup or Spiked Sample: 73283.01AGA; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.08	108	1.00	0.970	97.1	10.6	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0478	95.6	0.0500	0.0466	93.2	2.51	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 46

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73205	05/19/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1; Dup or Spiked Sample: B052914NB1; LCS: Clean Sand; QC Prepared: 05/29/2014;MS Analyzed: 05/30/2014; LCS Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.880	87.7	1.00	0.920	92.4	5.22	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0408	81.6	0.0500	0.0558	112	37.3	75-125	<20

QC Batch No: 052914NB1; Dup or Spiked Sample: B052914NB1; LCS: Clean Sand; QC Prepared: 05/29/2014;MS Analyzed: 05/30/2014; LCS Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.880	88.0	1.00	0.920	92.2	4.66	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0451	90.2	0.0500	0.0466	93.2	3.33	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 43
Date Received 05/20/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73225	05/20/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 9 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86026

AETL JOB No. 73225

Page 1 of 1

COMPANY: Tetra tech
PROJECT MANAGER: Sakar Niku
COMPANY ADDRESS: 3475 E. Foothill blvd, Pasadena, CA
PHONE / FAX: 1-626-470-2455
PROJECT NAME: Calabasas, Storage
PROJECT #: 100-PIEN-T31 263
SITE NAME AND ADDRESS: 27003 Ventura Blvd, Calabases, CA 91302
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals 6010B / 7471A	TPH-G 8015G	TPH-D 8015-D	CVI (7196)	VOC's (8260B)						TEST INSTRUCTIONS & COMMENTS
1	TEMW-2-5'	73225.01	5-20-14	0949	SOIL	1x 6"SS-Rings 4x40ml VOA	ICED	X	X	X	X	X						
2	TEMW-2-15'	73225.02	"	0959	SOIL	"	"	X	X	X	X	X						
3	TEMW-2-25'	73225.03	"	1025	SOIL	"	"	X	X	X	X	X						
4	TEMW-2-35'	73225.04	"	1051	SOIL	"	"	X	X	X	X	X						
5	TEMW-2-25' D	73225.05	"	1025	SOIL	"	"	X	X	X	X	X						
6	TEMW-4-5'	73225.06	"	1421	SOIL	1x6"SS Ring 8x40ml VOA	ICED	X	X	X	X	X						QC SAMPLE
7	TEMW-4-15'	73225.07	"	1430	SOIL	1x6"SS Ring 4x40ml VOA	"	X	X	X	X	X						
8	TEMW-4-25'	73225.08	"	1443	SOIL	"	"	X	X	X	X	X						
9	EQ-2	73225.09	"	1450	WATER	1L AMBER	"			X								
10	EQ-2		"	1450	WATER	1 250ML POLY	"	X										
11	EQ-2		"	1450	WATER	1 250ML POLY	ICED				X							
12	EQ-2		"	1450	WATER	5 40ML VOA	"		X			X						
13	TRIP BLANK 2	73225.10	"	1450	WATER	2 40ML VOA	"					X						
14	TEMW-4-35'	73225.11	"	1457	SOIL	1x6"SS RING 4x40ml VOA	"	X	X	X	X	X						
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	58	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Shant Babakhanian	Printed Name:	Printed Name: C. Pascual
Date: 05/20/14 Time: 1532	Date: Time:	Date: 05/20/14 Time: 1630
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AET 3.
Signature:	Signature:	Signature:
Printed Name: CHANTON PASCUAL	Printed Name:	Printed Name:
Date: 05/20/14 Time: 1532	Date: Time:	Date: 05/20/14 Time: 1630

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/20/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73225	05/20/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 11 samples with the following specification on 05/20/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73225.09	EQB-2	05/20/2014	Aqueous	8

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/27/2014	2	Normal	mg/L
7199	05/27/2014	2	Normal	ug/L
8260B	05/27/2014	2	Normal	ug/L
M8015D ^ C13-C40	05/27/2014	2	Normal	mg/L
M8015G	05/27/2014	2	Normal	mg/L

73225.10	TB-2	05/20/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	05/27/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73225.01	TtMW-2-5'	05/20/2014	Soil	5
73225.02	TtMW-2-15'	05/20/2014	Soil	5
73225.03	TtMW-2-25'	05/20/2014	Soil	5
73225.04	TtMW-2-35'	05/20/2014	Soil	5
73225.05	TtMW-2-25'D	05/20/2014	Soil	5
73225.06	TtMW-4-5'	05/20/2014	Soil	9
73225.07	TtMW-4-15'	05/20/2014	Soil	5
73225.08	TtMW-4-25'	05/20/2014	Soil	5
73225.11	TtMW-4-35'	05/20/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/27/2014	2	Normal	mg/Kg
(7199)	05/27/2014	2	Normal	mg/Kg
(8260B)	05/27/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	05/27/2014	2	Normal	mg/Kg
(M8015G)	05/27/2014	2	Normal	mg/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/20/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73225	05/20/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	9.10J	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		100	97.2	97.8		
Dibromofluoromethane	75-125		108	106	108		
Toluene-d8	75-125		102	97.2	101		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73225.03**	**73225.04**	**73225.05**	
Client Sample I.D.				TtMW-2-25'	TtMW-2-35'	TtMW-2-25'D	
Date Sampled				05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/24/2014	05/24/2014	05/24/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73225.03**	**73225.04**	**73225.05**	
Client Sample I.D.				TtMW-2-25'	TtMW-2-35'	TtMW-2-25'D	
Date Sampled				05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/24/2014	05/24/2014	05/24/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2

Our Lab I.D.			Method Blank	**73225.03**	**73225.04**	**73225.05**	
Client Sample I.D.				TtMW-2-25'	TtMW-2-35'	TtMW-2-25'D	
Date Sampled				05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/24/2014	05/24/2014	05/24/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73225.03**	**73225.04**	**73225.05**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		101	109	124	119	
Dibromofluoromethane	75-125		101	121	118	121	
Toluene-d8	75-125		100	124	117	121	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			73225.06	73225.07	73225.08	73225.11	
Client Sample I.D.			TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'	
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			73225.06	73225.07	73225.08	73225.11	
Client Sample I.D.			TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'	
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	10.7J	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	5.30J	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1

Our Lab I.D.			**73225.06**	**73225.07**	**73225.08**	**73225.11**	
Client Sample I.D.			TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'	
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			**73225.06**	**73225.07**	**73225.08**	**73225.11**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		96.3	100	114	98.0	
Dibromofluoromethane	75-125		108	109	115	116	
Toluene-d8	75-125		99.4	97.0	123	123	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052214NB2

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			Method Blank	**73225.01**	**73225.02**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		102	105	94.8		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1

Our Lab I.D.			Method Blank	**73225.03**			
Client Sample I.D.				TtMW-2-25'			
Date Sampled				05/20/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/29/2014	05/29/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	0.220J			
Our Lab I.D.			Method Blank	**73225.03**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		91.8	76.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 13

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052714NB1

Our Lab I.D.			Method Blank	**73225.04**			
Client Sample I.D.				TtMW-2-35'			
Date Sampled				05/20/2014			
Date Prepared			05/27/2014	05/27/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/27/2014	05/28/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**73225.04**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		83.0	77.6			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1

Our Lab I.D.			**73225.05**				
Client Sample I.D.			TtMW-2-25'D				
Date Sampled			05/20/2014				
Date Prepared			05/29/2014				
Preparation Method			5035A				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.227J				
Our Lab I.D.			**73225.05**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		82.8				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052214NB2

Our Lab I.D.			**73225.06**	**73225.07**	**73225.08**	**73225.11**	
Client Sample I.D.			TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'	
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	
Date Prepared			05/22/2014	05/22/2014	05/22/2014	05/22/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			**73225.06**	**73225.07**	**73225.08**	**73225.11**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		95.2	83.8	75.8	80.8	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **16**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB2

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**	**73225.03**	**73225.04**
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'	TtMW-2-25'	TtMW-2-35'
Date Sampled				05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	24.7	13.2
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	102	69.9
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	127	83.1
Our Lab I.D.			Method Blank	**73225.01**	**73225.02**	**73225.03**	**73225.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		103	103	104	105	107

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB2

Our Lab I.D.			**73225.05**	**73225.06**	**73225.07**	**73225.08**	**73225.11**
Client Sample I.D.			TtMW-2-25'D	TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/21/2014	05/21/2014	05/21/2014	05/21/2014	05/21/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/21/2014	05/21/2014	05/21/2014	05/22/2014	05/22/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	26.4	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	116	ND	ND	18.4	48.1
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	142	ND	ND	18.4	48.1
Our Lab I.D.			**73225.05**	**73225.06**	**73225.07**	**73225.08**	**73225.11**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		107	104	104	105	104

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 18

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1

Our Lab I.D.			Method Blank	73225.01	73225.02	73225.03	73225.04
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'	TtMW-2-25'	TtMW-2-35'
Date Sampled				05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	1,240	91.3	61.6	66.0
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	25.9	34.0	44.3	28.0
Cobalt	2.5	5.0	ND	3.44J	5.04	7.65	6.58
Copper	2.5	5.0	ND	17.2	36.1	42.9	13.4
Lead	2.5	5.0	ND	ND	ND	3.43J	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	5.40	12.5	3.94J
Nickel	2.5	5.0	ND	17.2	18.9	54.5	38.5
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	16.1	24.4	68.2	19.8
Zinc	2.5	5.0	ND	29.3	60.5	90.9	45.5

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 19

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1

Our Lab I.D.			73225.05	73225.06	73225.07	73225.08	73225.11
Client Sample I.D.			TtMW-2-25'D	TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	61.8	570	63.3	181	67.8
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	44.1	31.9	36.2	41.3	48.6
Cobalt	2.5	5.0	7.55	ND	6.87	7.42	8.41
Copper	2.5	5.0	43.9	35.8	41.0	21.8	35.0
Lead	2.5	5.0	3.00J	ND	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	13.4	5.06	11.3	4.70J	8.23
Nickel	2.5	5.0	55.8	21.4	20.7	42.7	46.6
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	69.1	41.6	39.8	25.6	47.3
Zinc	2.5	5.0	84.4	35.0	69.9	51.4	77.1

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1

Our Lab I.D.			Method Blank	**73225.01**	**73225.02**	**73225.03**	**73225.04**
Client Sample I.D.				TtMW-2-5'	TtMW-2-15'	TtMW-2-25'	TtMW-2-35'
Date Sampled				05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	0.604	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1

Our Lab I.D.			**73225.05**	**73225.06**	**73225.07**	**73225.08**	**73225.11**
Client Sample I.D.			TtMW-2-25'D	TtMW-4-5'	TtMW-4-15'	TtMW-4-25'	TtMW-4-35'
Date Sampled			05/20/2014	05/20/2014	05/20/2014	05/20/2014	05/20/2014
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	05/23/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523146A1

Our Lab I.D.			Method Blank	**73225.09**	**73225.10**		
Client Sample I.D.				EQB-2	TB-2		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523146A1

Our Lab I.D.			Method Blank	**73225.09**	**73225.10**		
Client Sample I.D.				EQB-2	TB-2		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523146A1

Our Lab I.D.			Method Blank	**73225.09**	**73225.10**		
Client Sample I.D.				EQB-2	TB-2		
Date Sampled				05/20/2014	05/20/2014		
Date Prepared			05/23/2014	05/23/2014	05/23/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/23/2014	05/23/2014	05/23/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73225.09**	**73225.10**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		89.4	87.6	87.1		
Dibromofluoromethane	75-125		97.8	93.1	95.5		
Toluene-d8	75-125		89.8	88.2	90.9		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 25

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB1

Our Lab I.D.			Method Blank	**73225.09**			
Client Sample I.D.				EQB-2			
Date Sampled				05/20/2014			
Date Prepared			05/21/2014	05/21/2014			
Preparation Method			5030B	5030B			
Date Analyzed			05/21/2014	05/21/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73225.09**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		119	91.0			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1

Our Lab I.D.			Method Blank	**73225.09**			
Client Sample I.D.				EQB-2			
Date Sampled				05/20/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3510C	3510C			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73225.09**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		107	84.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 27

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1

Our Lab I.D.			Method Blank	**73225.09**			
Client Sample I.D.				EQB-2			
Date Sampled				05/20/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3005A	3005A			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 28

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052114-1

Our Lab I.D.			Method Blank	**73225.09**			
Client Sample I.D.				EQB-2			
Date Sampled				05/20/2014			
Date Prepared			05/21/2014	05/21/2014			
Preparation Method			7199	7199			
Date Analyzed			05/21/2014	05/21/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 29

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	0.500	0.470	94.6	0.500	0.480	96.2	1.68	75-125	<15
Arsenic	0.00	0.500	0.530	105	0.500	0.510	102	2.90	75-125	<15
Barium	0.00	1.00	0.930	93.2	1.00	0.920	92.1	1.19	75-125	<15
Beryllium	0.00	0.500	0.470	94.8	0.500	0.470	94.0	<1	75-125	<15
Cadmium	0.00	0.500	0.470	93.0	0.500	0.460	92.6	<1	75-125	<15
Chromium	0.00	0.500	0.450	89.4	0.500	0.450	89.2	<1	75-125	<15
Cobalt	0.0100	0.500	0.450	87.4	0.500	0.440	86.8	<1	75-125	<15
Copper	0.00	0.500	0.420	84.6	0.500	0.420	83.8	<1	75-125	<15
Lead	0.00	0.500	0.420	84.0	0.500	0.420	83.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00990	99.0	0.0100	0.0100	100	1.0	75-125	<15
Molybdenum	0.318	0.500	0.770	89.6	0.500	0.760	89.0	<1	75-125	<15
Nickel	0.113	0.500	0.560	89.6	0.500	0.560	89.4	<1	75-125	<15
Selenium	0.00	0.500	0.470	93.2	0.500	0.470	94.6	1.49	75-125	<15
Silver	0.00	1.00	0.890	89.2	1.00	0.890	88.9	<1	75-125	<15
Thallium	0.00	0.500	0.390	78.0	0.500	0.390	77.0	1.29	75-125	<15
Vanadium	0.00	0.500	0.440	87.8	0.500	0.430	86.8	1.15	75-125	<15
Zinc	0.0980	0.500	0.590	97.3	0.500	0.590	98.3	1.02	75-125	<15

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	0.500	0.500	100	0.500	0.500	100	<1	75-125	<15	
Arsenic	0.500	0.510	101	0.500	0.500	99.0	2.00	75-125	<15	
Barium	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15	
Beryllium	0.500	0.530	106	0.500	0.520	105	<1	75-125	<15	
Cadmium	0.500	0.500	99.4	0.500	0.490	98.4	1.01	75-125	<15	
Chromium	0.500	0.500	99.0	0.500	0.490	98.4	<1	75-125	<15	
Cobalt	0.500	0.480	96.0	0.500	0.480	96.8	<1	75-125	<15	
Copper	0.500	0.480	96.6	0.500	0.480	96.0	<1	75-125	<15	
Lead	0.500	0.470	94.2	0.500	0.480	95.2	1.06	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.0100	100	0.0100	0.00999	99.9	<1	75-125	<15	
Molybdenum	0.500	0.500	100	0.500	0.510	101	<1	75-125	<15	
Nickel	0.500	0.480	95.4	0.500	0.480	96.0	<1	75-125	<15	
Selenium	0.500	0.540	109	0.500	0.530	105	3.74	75-125	<15	
Silver	1.00	0.970	97.2	1.00	0.970	96.8	<1	75-125	<15	
Thallium	0.500	0.490	97.4	0.500	0.490	97.0	<1	75-125	<15	
Vanadium	0.500	0.500	99.8	0.500	0.500	99.2	<1	75-125	<15	
Zinc	0.500	0.530	105	0.500	0.520	104	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052114-1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; LCS Prepared: 05/21/2014; LCS Analyzed: 05/21/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.500	0.450	90.0	0.500	0.425	85.0	5.7	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **32**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523146A1; Dup or Spiked Sample: B0523146A1; LCS: Clean Water; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: ug/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	56.9	114	50.0	53.3	107	6.33	75-125	<20	
Chlorobenzene	50.0	45.7	91.4	50.0	41.3	82.6	10.1	75-125	<20	
1,1-Dichloroethene	50.0	44.5	89.0	50.0	39.7	79.4	11.4	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	57.9	116	50.0	57.2	114	1.74	75-125	<20	
Toluene (Methyl benzene)	50.0	46.7	93.4	50.0	41.7	83.4	11.3	75-125	<20	
Trichloroethene	50.0	58.5	117	50.0	53.5	107	8.93	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	41.2	82.4	50.0	42.4	84.8	2.91	75-125	<20	
Dibromofluoromethane	50.0	46.2	92.4	50.0	46.9	93.7	1.41	75-125	<20	
Toluene-d8	50.0	41.9	83.8	50.0	43.2	86.3	2.98	75-125	<20	

QC Batch No: 0523146A1; Dup or Spiked Sample: B0523146A1; LCS: Clean Water; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	56.7	113	50.0	55.0	110	2.69	75-125	<20	
Chlorobenzene	50.0	45.0	90.0	50.0	43.3	87.0	3.39	75-125	<20	
1,1-Dichloroethene	50.0	46.2	92.4	50.0	44.6	89.0	3.75	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	59.4	119	50.0	50.5	101	16.4	75-125	<20	
Toluene (Methyl benzene)	50.0	47.5	95.0	50.0	45.6	91.0	4.30	75-125	<20	
Trichloroethene	50.0	57.1	114	50.0	55.5	111	2.67	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	60.8	122	50.0	57.9	116	5.04	75-125	<20	
Ethylbenzene	50.0	51.3	103	50.0	48.2	96.0	7.04	75-125	<20	
1,1,1-Trichloroethane	50.0	62.5	125	50.0	62.1	124	<1	75-125	<20	
o-Xylene	50.0	44.8	89.6	50.0	43.1	86.0	4.10	75-125	<20	
m,p-Xylenes	100	92.7	92.7	100	87.1	87.1	6.23	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	44.5	89.0	50.0	43.0	86.1	3.26	75-125	<20	
Dibromofluoromethane	50.0	48.9	97.7	50.0	44.3	88.5	9.42	75-125	<20	
Toluene-d8	50.0	43.3	86.6	50.0	43.4	86.8	<1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 33

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.531	5.00	5.51	99.6	5.00	5.33	96.0	3.68	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	2.31	116	2.00	2.15	108	6.90	60-125	<20

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	5.00	5.25	105	5.00	5.49	110	4.65	75-125	<20	
Surrogates										
Chlorobenzene	2.00	2.15	108	2.00	2.20	110	1.85	60-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **34**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052114NB1; Dup or Spiked Sample: B052114NB1; LCS: Clean Water; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.460	91.6	0.500	0.480	96.8	5.52	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0470	94.0	0.0500	0.0463	92.6	1.49	75-125	<20

QC Batch No: 052114NB1; Dup or Spiked Sample: B052114NB1; LCS: Clean Water; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.490	97.0	0.500	0.470	94.8	2.29	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0441	88.2	0.0500	0.0498	99.6	12.9	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku
Page: 35

Site

24003 Ventura Blvd
Calabasas, CA 91302

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	48.3	96.6	50.0	48.2	96.4	<1	75-125	<15
Arsenic	0.00	50.0	45.2	90.4	50.0	44.8	89.6	<1	75-125	<15
Barium	570	50.0	776 M	412	50.0	776 M	412	<1	75-125	<15
Beryllium	0.00	50.0	49.1	98.2	50.0	49.0	98.0	<1	75-125	<15
Cadmium	0.00	50.0	44.8	89.6	50.0	45.3	90.6	1.11	75-125	<15
Chromium	31.9	50.0	81.5	99.2	50.0	82.4	101	1.80	75-125	<15
Cobalt	0.00	50.0	47.4	94.8	50.0	47.9	95.8	1.05	75-125	<15
Copper	35.8	50.0	86.8	102	50.0	87.8	104	1.94	75-125	<15
Lead	0.00	50.0	43.6	87.2	50.0	43.6	87.2	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.438	87.5	0.500	0.431	86.2	1.5	75-125	<15
Molybdenum	5.06	50.0	51.7	93.3	50.0	51.6	93.1	<1	75-125	<15
Nickel	21.4	50.0	66.7	90.6	50.0	67.4	92.0	1.53	75-125	<15
Selenium	0.00	50.0	44.7	89.4	50.0	44.3	88.6	<1	75-125	<15
Silver	0.00	50.0	44.7	89.4	50.0	45.1	90.2	<1	75-125	<15
Thallium	0.00	50.0	40.2	80.4	50.0	40.3	80.6	<1	75-125	<15
Vanadium	41.6	50.0	93.6	104	50.0	94.6	106	1.90	75-125	<15
Zinc	35.0	50.0	81.3	92.6	50.0	82.0	94.0	1.50	75-125	<15

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	51.9	104	50.0	51.4	103	<1	75-125	<15	
Arsenic	50.0	51.1	102	50.0	51.1	102	<1	75-125	<15	
Barium	50.0	53.5	107	50.0	53.0	106	<1	75-125	<15	
Beryllium	50.0	54.3	109	50.0	54.4	109	<1	75-125	<15	
Cadmium	50.0	51.9	104	50.0	52.1	104	<1	75-125	<15	
Chromium	50.0	54.0	108	50.0	53.8	108	<1	75-125	<15	
Cobalt	50.0	54.2	108	50.0	54.1	108	<1	75-125	<15	
Copper	50.0	54.8	110	50.0	54.6	109	<1	75-125	<15	
Lead	50.0	51.7	103	50.0	51.9	104	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.480	95.9	0.500	0.475	95.0	<1	75-125	<15	
Molybdenum	50.0	53.6	107	50.0	53.7	107	<1	75-125	<15	
Nickel	50.0	53.8	108	50.0	53.7	107	<1	75-125	<15	
Selenium	50.0	51.0	102	50.0	50.8	102	<1	75-125	<15	
Silver	50.0	49.4	98.8	50.0	49.4	98.8	<1	75-125	<15	
Thallium	50.0	55.2	110	50.0	55.1	110	<1	75-125	<15	
Vanadium	50.0	53.3	107	50.0	53.2	106	<1	75-125	<15	
Zinc	50.0	52.9	106	50.0	52.8	106	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.280	112	0.250	0.298	119	6.1	75-125	<20

QC Batch No: 052314-1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.255	102	0.250	0.270	108	5.7	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; LCS Prepared: 05/23/2014; LCS Analyzed: 05/23/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	49.5	99.0	50.0	49.5	99.0	<1	75-125	<20	
Chlorobenzene	50.0	44.3	88.6	50.0	44.0	88.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	54.0	108	50.0	51.5	103	4.7	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.6	95.2	50.0	48.0	96.0	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	47.9	95.8	50.0	48.0	96.0	<1	75-125	<20	
Trichloroethene	50.0	53.0	106	50.0	53.0	106	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	48.0	96.0	50.0	48.5	97.0	1.0	75-125	<20	
Ethylbenzene	50.0	45.7	91.4	50.0	45.5	91.0	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	52.0	104	50.0	54.5	109	4.7	75-125	<20	
o-Xylene	50.0	45.0	90.0	50.0	44.0	88.0	2.2	75-125	<20	
m,p-Xylenes	100	87.7	87.7	100	87.5	87.5	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.2	96.4	50.0	48.7	97.3	<1	75-125	<20	
Dibromofluoromethane	50.0	47.5	95.0	50.0	47.3	94.6	<1	75-125	<20	
Toluene-d8	50.0	48.2	96.3	50.0	48.7	97.3	1.0	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 39

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0523142A2; Dup or Spiked Sample: B0523142A2; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	48.1	96.2	50.0	48.7	97.4	1.24	75-125	<20
Chlorobenzene	0.00	50.0	44.4	88.8	50.0	44.0	88.0	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	46.3	92.6	50.0	48.1	96.2	3.81	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	50.0	100	50.0	48.3	96.6	3.46	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	45.6	91.2	50.0	46.3	92.6	1.52	75-125	<20
Trichloroethene	0.00	50.0	49.5	99.0	50.0	51.5	103	3.96	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.2	96.4	50.0	48.1	96.1	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	45.8	91.5	50.0	45.7	91.4	<1	75-125	<20
Toluene-d8	0.00	50.0	48.9	97.8	50.0	47.2	94.3	3.58	75-125	<20

QC Batch No: 0523142A2; Dup or Spiked Sample: B0523142A2; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	47.2	94.4	50.0	46.1	92.0	2.58	75-125	<20	
Chlorobenzene	50.0	44.4	88.8	50.0	43.7	87.0	2.05	75-125	<20	
1,1-Dichloroethene	50.0	41.7	83.4	50.0	42.7	85.0	1.90	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.7	101	50.0	50.8	102	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	45.0	90.0	50.0	43.6	87.0	3.39	75-125	<20	
Trichloroethene	50.0	50.8	102	50.0	48.3	97.0	5.03	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	45.0	90.0	50.0	45.4	91.0	1.10	75-125	<20	
Ethylbenzene	50.0	44.0	88.0	50.0	42.6	85.0	3.47	75-125	<20	
1,1,1-Trichloroethane	50.0	48.1	96.2	50.0	45.5	91.0	5.56	75-125	<20	
o-Xylene	50.0	42.7	85.4	50.0	43.2	86.0	<1	75-125	<20	
m,p-Xylenes	100	86.5	86.5	100	84.0	84.0	2.93	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.7	99.4	50.0	48.9	97.7	1.71	75-125	<20	
Dibromofluoromethane	50.0	45.1	90.2	50.0	45.7	91.5	1.44	75-125	<20	
Toluene-d8	50.0	48.2	96.4	50.0	46.5	93.1	3.42	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 40

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052114DB2; Dup or Spiked Sample: 73225.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	535	107	500	530	106	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	99.7	99.7	100	99.9	99.9	<1	75-125	<20

QC Batch No: 052114DB2; Dup or Spiked Sample: 73225.01; LCS: Clean Sand; QC Prepared: 05/21/2014; QC Analyzed: 05/21/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	539	108	75-125						
Surrogates										
Chlorobenzene	100	99.8	99.8	75-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **41**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052214NB2; Dup or Spiked Sample: 73225.06HGA; LCS: Clean Sand; QC Prepared: 05/22/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0490	1.00	1.16	111	1.00	1.07	102	8.45	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0495	99.0	0.0500	0.0488	97.6	1.41	75-125	<20

QC Batch No: 052214NB2; Dup or Spiked Sample: 73225.06HGA; LCS: Clean Sand; QC Prepared: 05/22/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.980	97.9	1.00	1.01	101	3.12	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0545	109	0.0500	0.0529	106	2.75	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **42**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052714NB1; Dup or Spiked Sample: 73283.01AGA; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.870	87.0	1.00	0.870	87.4	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0478	95.6	0.0500	0.0513	103	7.74	75-125	<20

QC Batch No: 052714NB1; Dup or Spiked Sample: 73283.01AGA; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	1.08	108	1.00	0.970	97.1	10.6	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0478	95.6	0.0500	0.0466	93.2	2.51	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **43**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73225	05/20/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB1; Dup or Spiked Sample: B052914NB1; LCS: Clean Sand; QC Prepared: 05/29/2014;MS Analyzed: 05/30/2014; LCS Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.880	87.7	1.00	0.920	92.4	5.22	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0408	81.6	0.0500	0.0558	112	37.3	75-125	<20

QC Batch No: 052914NB1; Dup or Spiked Sample: B052914NB1; LCS: Clean Sand; QC Prepared: 05/29/2014;MS Analyzed: 05/30/2014; LCS Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.880	88.0	1.00	0.920	92.2	4.66	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0451	90.2	0.0500	0.0466	93.2	3.33	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 31
Date Received 05/21/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73233	05/21/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86086

AETL JOB No. 73233

Page ____ of ____

COMPANY: Tetra Tech
PROJECT MANAGER: Sabra Nikn
COMPANY ADDRESS: 3475 E. Foothill Blvd. Pasadena, CA
PHONE: 626 - 470-2455
FAX:
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura Blvd, Calabasas, CA 91302
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TITLE 22 METALS 6010B/7471A	TPHg - (8015G)	TPHd - (8015D)	CrVI - (7199)	VOCs (8260B)						TEST INSTRUCTIONS & COMMENTS
1	TtMW-3-5'	73233.01	5-21-14	0953	SOIL	1 x 6" SS RING 4x40ML VOA	ICED	X	X	X	X	X						
2	TtMW-3-15'	73233.02	5-21-14	1003	SOIL	"	"	X	X	X	X	X						
3	TtMW-3-25'	73233.03	5-21-14	1017	SOIL	"	"	X	X	X	X	X						
4	EQ-3	73233.04	5-21-14	1055	WATER	1 L AMBER	"			X								
5	EQ-3	↓	5-21-14	1055	WATER	2x250ML POLY	"	X			X							
6	EQ-3	↓	5-21-14	1055	WATER	5x40ML VOA	HCl		X			X						
7	TRIP BLANK	73233.05	5-21-14		WATER	2x40ML VOA	ICED					X						
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	25	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☒ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Shant Batakhanian	Printed Name:	Printed Name: Sergio P
Date: 5-21-14 Time: 1150	Date: Time:	Date: 5-21-14 Time: 1305
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name: Sergio P	Printed Name:	Printed Name: Jean Claude
Date: 5.21.14 Time: 1150	Date: Time:	Date: 5/21/14 Time: 1305

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/21/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73233	05/21/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 5 samples with the following specification on 05/21/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73233.04	EQB-3	05/21/2014	Aqueous	1

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/28/2014	2	Normal	mg/L
7199	05/28/2014	2	Normal	ug/L
8260B	05/28/2014	2	Normal	ug/L
M8015D ^ C13-C40	05/28/2014	2	Normal	mg/L
M8015G	05/28/2014	2	Normal	mg/L

73233.05	TB-3	05/21/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	05/28/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73233.01	TtMW-3-5'	05/21/2014	Soil	5
73233.02	TtMW-3-15'	05/21/2014	Soil	5
73233.03	TtMW-3-25'	05/21/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/28/2014	2	Normal	mg/Kg
(7199)	05/28/2014	2	Normal	mg/Kg
(8260B)	05/28/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	05/28/2014	2	Normal	mg/Kg
(M8015G)	05/28/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**		
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/24/2014	05/24/2014	05/24/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/24/2014	05/24/2014	05/24/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**		
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/24/2014	05/24/2014	05/24/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/24/2014	05/24/2014	05/24/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	12.4	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	23.6	102		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	101	31.3		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**		
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/24/2014	05/24/2014	05/24/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/24/2014	05/24/2014	05/24/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73233.01**	**73233.02**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		97.2	124	99.9		
Dibromofluoromethane	75-125		97.5	109	105		
Toluene-d8	75-125		97.1	111	99.3		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73233.03**			
Client Sample I.D.				TtMW-3-25'			
Date Sampled				05/21/2014			
Date Prepared			05/27/2014	05/27/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/27/2014	05/28/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73233.03**			
Client Sample I.D.				TtMW-3-25'			
Date Sampled				05/21/2014			
Date Prepared			05/27/2014	05/27/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/27/2014	05/28/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	4.90J			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73233.03**			
Client Sample I.D.				TtMW-3-25'			
Date Sampled				05/21/2014			
Date Prepared			05/27/2014	05/27/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/27/2014	05/28/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**73233.03**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		96.9	123			
Dibromofluoromethane	75-125		106	118			
Toluene-d8	75-125		97.0	124			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'	TtMW-3-25'	
Date Sampled				05/21/2014	05/21/2014	05/21/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/24/2014	05/24/2014	05/24/2014	05/24/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		87.8	79.8	88.0	75.6	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 9

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052314DB1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'	TtMW-3-25'	
Date Sampled				05/21/2014	05/21/2014	05/21/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	13.5	
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	22.7	
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	36.2	
Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Chlorobenzene	75-125		109	110	109	108	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 10

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'	TtMW-3-25'	
Date Sampled				05/21/2014	05/21/2014	05/21/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	ND	ND	ND	ND	
Barium	2.5	5.0	ND	171	56.2	70.1	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	ND	25.3	28.1	34.3	
Cobalt	2.5	5.0	ND	7.77	4.98J	7.13	
Copper	2.5	5.0	ND	21.9	42.8	36.2	
Lead	2.5	5.0	ND	ND	2.76J	ND	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	
Molybdenum	2.5	5.0	ND	ND	11.8	4.37J	
Nickel	2.5	5.0	ND	34.0	11.1	40.3	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	ND	32.4	21.2	29.5	
Zinc	2.5	5.0	ND	40.7	53.6	81.5	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1

Our Lab I.D.			Method Blank	**73233.01**	**73233.02**	**73233.03**	
Client Sample I.D.				TtMW-3-5'	TtMW-3-15'	TtMW-3-25'	
Date Sampled				05/21/2014	05/21/2014	05/21/2014	
Date Prepared			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Preparation Method			3060A	3060A	3060A	3060A	
Date Analyzed			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Chromium (VI)	0.20	0.20	ND	ND	1.07	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73233.04**	**73233.05**		
Client Sample I.D.				EQB-3	TB-3		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73233.04**	**73233.05**		
Client Sample I.D.				EQB-3	TB-3		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1

Our Lab I.D.			Method Blank	**73233.04**	**73233.05**		
Client Sample I.D.				EQB-3	TB-3		
Date Sampled				05/21/2014	05/21/2014		
Date Prepared			05/22/2014	05/22/2014	05/22/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/22/2014	05/22/2014	05/22/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73233.04**	**73233.05**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		116	123	116		
Dibromofluoromethane	75-125		105	112	107		
Toluene-d8	75-125		98.5	99.0	101		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052214NB1

Our Lab I.D.			Method Blank	**73233.04**			
Client Sample I.D.				EQB-3			
Date Sampled				05/21/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			5030B	5030B			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73233.04**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		111	103			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **16**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1

Our Lab I.D.			Method Blank	**73233.04**			
Client Sample I.D.				EQB-3			
Date Sampled				05/21/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3510C	3510C			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73233.04**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		107	86.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1

Our Lab I.D.			Method Blank	**73233.04**			
Client Sample I.D.				EQB-3			
Date Sampled				05/21/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			3005A	3005A			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 18

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052214-1

Our Lab I.D.			Method Blank	**73233.04**			
Client Sample I.D.				EQB-3			
Date Sampled				05/21/2014			
Date Prepared			05/22/2014	05/22/2014			
Preparation Method			7199	7199			
Date Analyzed			05/22/2014	05/22/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **19**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	0.500	0.470	94.6	0.500	0.480	96.2	1.68	75-125	<15
Arsenic	0.00	0.500	0.530	105	0.500	0.510	102	2.90	75-125	<15
Barium	0.00	1.00	0.930	93.2	1.00	0.920	92.1	1.19	75-125	<15
Beryllium	0.00	0.500	0.470	94.8	0.500	0.470	94.0	<1	75-125	<15
Cadmium	0.00	0.500	0.470	93.0	0.500	0.460	92.6	<1	75-125	<15
Chromium	0.00	0.500	0.450	89.4	0.500	0.450	89.2	<1	75-125	<15
Cobalt	0.0100	0.500	0.450	87.4	0.500	0.440	86.8	<1	75-125	<15
Copper	0.00	0.500	0.420	84.6	0.500	0.420	83.8	<1	75-125	<15
Lead	0.00	0.500	0.420	84.0	0.500	0.420	83.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00990	99.0	0.0100	0.0100	100	1.0	75-125	<15
Molybdenum	0.318	0.500	0.770	89.6	0.500	0.760	89.0	<1	75-125	<15
Nickel	0.113	0.500	0.560	89.6	0.500	0.560	89.4	<1	75-125	<15
Selenium	0.00	0.500	0.470	93.2	0.500	0.470	94.6	1.49	75-125	<15
Silver	0.00	1.00	0.890	89.2	1.00	0.890	88.9	<1	75-125	<15
Thallium	0.00	0.500	0.390	78.0	0.500	0.390	77.0	1.29	75-125	<15
Vanadium	0.00	0.500	0.440	87.8	0.500	0.430	86.8	1.15	75-125	<15
Zinc	0.0980	0.500	0.590	97.3	0.500	0.590	98.3	1.02	75-125	<15

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	0.500	0.500	100	0.500	0.500	100	<1	75-125	<15	
Arsenic	0.500	0.510	101	0.500	0.500	99.0	2.00	75-125	<15	
Barium	1.00	1.00	100	1.00	1.00	100	<1	75-125	<15	
Beryllium	0.500	0.530	106	0.500	0.520	105	<1	75-125	<15	
Cadmium	0.500	0.500	99.4	0.500	0.490	98.4	1.01	75-125	<15	
Chromium	0.500	0.500	99.0	0.500	0.490	98.4	<1	75-125	<15	
Cobalt	0.500	0.480	96.0	0.500	0.480	96.8	<1	75-125	<15	
Copper	0.500	0.480	96.6	0.500	0.480	96.0	<1	75-125	<15	
Lead	0.500	0.470	94.2	0.500	0.480	95.2	1.06	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0522142C1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; QC Prepared: 05/22/2014; QC Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.0100	100	0.0100	0.00999	99.9	<1	75-125	<15	
Molybdenum	0.500	0.500	100	0.500	0.510	101	<1	75-125	<15	
Nickel	0.500	0.480	95.4	0.500	0.480	96.0	<1	75-125	<15	
Selenium	0.500	0.540	109	0.500	0.530	105	3.74	75-125	<15	
Silver	1.00	0.970	97.2	1.00	0.970	96.8	<1	75-125	<15	
Thallium	0.500	0.490	97.4	0.500	0.490	97.0	<1	75-125	<15	
Vanadium	0.500	0.500	99.8	0.500	0.500	99.2	<1	75-125	<15	
Zinc	0.500	0.530	105	0.500	0.520	104	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052214-1; Dup or Spiked Sample: 73244.05; LCS: Clean Water; LCS Prepared: 05/22/2014; LCS Analyzed: 05/22/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.500	0.461	92.2	0.500	0.436	87.2	5.6	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Site

24003 Ventura Blvd
Calabasas, CA 91302

Telephone: (626)351-4664
Attn: Dr. Salar Niku
Page: **22**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0522141A1; Dup or Spiked Sample: B0522141A1; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/23/2014; LCS Analyzed: 05/22/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	45.2	90.4	50.0	45.5	91.0	<1	75-125	<20
Chlorobenzene	0.00	50.0	45.9	91.8	50.0	47.1	94.2	2.58	75-125	<20
1,1-Dichloroethene	0.00	50.0	47.8	95.6	50.0	48.4	96.8	1.25	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	58.5	117	50.0	60.0	120	2.53	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	44.8	89.6	50.0	45.4	90.8	1.33	75-125	<20
Trichloroethene	0.00	50.0	48.3	96.6	50.0	48.7	97.4	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	54.5	109	50.0	53.5	107	1.83	75-125	<20
Dibromofluoromethane	0.00	50.0	54.0	108	50.0	54.5	109	<1	75-125	<20
Toluene-d8	0.00	50.0	49.6	99.1	50.0	48.7	97.4	1.72	75-125	<20

QC Batch No: 0522141A1; Dup or Spiked Sample: B0522141A1; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/23/2014; LCS Analyzed: 05/22/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	44.8	89.6	50.0	45.6	91.0	1.55	75-125	<20	
Chlorobenzene	50.0	46.6	93.2	50.0	48.0	96.0	2.96	75-125	<20	
1,1-Dichloroethene	50.0	43.2	86.4	50.0	47.7	95.4	9.90	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	57.8	116	50.0	56.9	114	1.74	75-125	<20	
Toluene (Methyl benzene)	50.0	44.6	89.2	50.0	46.7	93.0	4.17	75-125	<20	
Trichloroethene	50.0	47.4	94.8	50.0	49.3	99.0	4.33	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	49.9	99.8	50.0	50.8	102	2.18	75-125	<20	
Ethylbenzene	50.0	49.2	98.4	50.0	50.3	101	2.61	75-125	<20	
1,1,1-Trichloroethane	50.0	47.8	95.6	50.0	47.7	95.0	<1	75-125	<20	
o-Xylene	50.0	46.8	93.6	50.0	47.7	95.0	1.48	75-125	<20	
m,p-Xylenes	100	97.1	97.1	100	101	101	3.94	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	53.3	107	50.0	54.2	108	<1	75-125	<20	
Dibromofluoromethane	50.0	52.9	106	50.0	53.3	107	<1	75-125	<20	
Toluene-d8	50.0	48.3	96.6	50.0	50.1	100	3.52	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **23**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.531	5.00	5.51	99.6	5.00	5.33	96.0	3.68	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	2.31	116	2.00	2.15	108	6.90	60-125	<20

QC Batch No: 052214DB1; Dup or Spiked Sample: 73250.02; LCS: Clean Water; QC Prepared: 05/22/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	5.00	5.25	105	5.00	5.49	110	4.65	75-125	<20	
Surrogates										
Chlorobenzene	2.00	2.15	108	2.00	2.20	110	1.85	60-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052214NB1; Dup or Spiked Sample: 73250.02HMS; LCS: Clean Water; QC Prepared: 05/22/2014;
MS Analyzed: 05/23/2014;
LCS Analyzed: 05/22/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.319	0.500	0.720	80.4	0.500	0.760	88.0	9.03	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0467	93.4	0.0500	0.0518	104	11.3	75-125	<20

QC Batch No: 052214NB1; Dup or Spiked Sample: 73250.02HMS; LCS: Clean Water; QC Prepared: 05/22/2014;
MS Analyzed: 05/23/2014;
LCS Analyzed: 05/22/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.440	87.2	0.500	0.440	88.6	1.59	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0434	86.8	0.0500	0.0436	87.2	<1	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **25**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	48.3	96.6	50.0	48.2	96.4	<1	75-125	<15
Arsenic	0.00	50.0	45.2	90.4	50.0	44.8	89.6	<1	75-125	<15
Barium	485	50.0	691 M	412	50.0	691 M	412	<1	75-125	<15
Beryllium	0.00	50.0	49.1	98.2	50.0	49.0	98.0	<1	75-125	<15
Cadmium	0.00	50.0	44.8	89.6	50.0	45.3	90.6	1.11	75-125	<15
Chromium	31.9	50.0	81.5	99.2	50.0	82.3	101	1.80	75-125	<15
Cobalt	0.00	50.0	47.4	94.8	50.0	47.9	95.8	1.05	75-125	<15
Copper	35.8	50.0	87.0	102	50.0	87.8	104	1.94	75-125	<15
Lead	0.00	50.0	43.6	87.2	50.0	43.6	87.2	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.438	87.5	0.500	0.431	86.2	1.5	75-125	<15
Molybdenum	5.06	50.0	51.7	93.3	50.0	51.6	93.1	<1	75-125	<15
Nickel	21.4	50.0	66.7	90.6	50.0	67.4	92.0	1.53	75-125	<15
Selenium	0.00	50.0	44.7	89.4	50.0	44.3	88.6	<1	75-125	<15
Silver	0.00	50.0	44.7	89.4	50.0	45.1	90.2	<1	75-125	<15
Thallium	0.00	50.0	40.2	80.4	50.0	40.3	80.6	<1	75-125	<15
Vanadium	41.6	50.0	93.7	104	50.0	94.7	106	1.90	75-125	<15
Zinc	35.0	50.0	81.3	92.6	50.0	82.0	94.0	1.50	75-125	<15

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	51.9	104	50.0	51.4	103	<1	75-125	<15	
Arsenic	50.0	51.1	102	50.0	51.1	102	<1	75-125	<15	
Barium	50.0	53.3	107	50.0	53.2	106	<1	75-125	<15	
Beryllium	50.0	54.3	109	50.0	54.4	109	<1	75-125	<15	
Cadmium	50.0	51.9	104	50.0	52.1	104	<1	75-125	<15	
Chromium	50.0	54.0	108	50.0	53.8	108	<1	75-125	<15	
Cobalt	50.0	54.2	108	50.0	54.1	108	<1	75-125	<15	
Copper	50.0	54.8	110	50.0	54.6	109	<1	75-125	<15	
Lead	50.0	51.7	103	50.0	51.9	104	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0523142C1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.480	95.9	0.500	0.475	95.0	<1	75-125	<15	
Molybdenum	50.0	53.6	107	50.0	53.7	107	<1	75-125	<15	
Nickel	50.0	53.8	108	50.0	53.7	107	<1	75-125	<15	
Selenium	50.0	51.0	102	50.0	50.8	102	<1	75-125	<15	
Silver	50.0	49.4	98.8	50.0	49.4	98.8	<1	75-125	<15	
Thallium	50.0	55.2	110	50.0	55.1	110	<1	75-125	<15	
Vanadium	50.0	53.3	107	50.0	53.2	106	<1	75-125	<15	
Zinc	50.0	52.9	106	50.0	52.8	106	<1	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.280	112	0.250	0.298	119	6.1	75-125	<20

QC Batch No: 052314-1; Dup or Spiked Sample: 73225.06; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.255	102	0.250	0.270	108	5.7	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **28**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1; Dup or Spiked Sample: 73263.04; LCS: Clean Sand; LCS Prepared: 05/24/2014; LCS Analyzed: 05/24/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	46.7	93.4	50.0	50.6	101	7.82	75-125	<20	
Chlorobenzene	50.0	42.7	85.4	50.0	45.3	91.0	6.35	75-125	<20	
1,1-Dichloroethene	50.0	45.1	90.2	50.0	52.0	104	14.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.5	93.0	50.0	48.9	98.0	5.24	75-125	<20	
Toluene (Methyl benzene)	50.0	44.9	89.8	50.0	48.4	97.0	7.71	75-125	<20	
Trichloroethene	50.0	50.9	102	50.0	54.0	108	5.71	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.5	93.0	50.0	49.8	100	7.25	75-125	<20	
Ethylbenzene	50.0	43.4	86.8	50.0	46.4	93.0	6.90	75-125	<20	
1,1,1-Trichloroethane	50.0	53.4	107	50.0	53.8	108	<1	75-125	<20	
o-Xylene	50.0	43.0	86.0	50.0	45.0	90.0	4.55	75-125	<20	
m,p-Xylenes	100	83.9	83.9	100	91.7	91.7	8.88	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	47.7	95.4	50.0	47.2	94.4	1.05	75-125	<20	
Dibromofluoromethane	50.0	47.8	95.5	50.0	46.8	93.6	1.99	75-125	<20	
Toluene-d8	50.0	47.2	94.4	50.0	47.1	94.2	<1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **29**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2; Dup or Spiked Sample: 73283.01; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	39.8	79.6	50.0	45.4	90.8	13.1	75-125	<20
Chlorobenzene	0.00	50.0	36.6 M	73.2	50.0	42.3	84.6	14.4	75-125	<20
1,1-Dichloroethene	0.00	50.0	36.8 M	73.6	50.0	42.4	84.8	14.1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	45.2	90.4	50.0	52.0	104	14.0	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	37.1 M	74.2	50.0	42.6	85.2	13.8	75-125	<20
Trichloroethene	0.00	50.0	47.8	95.6	50.0	55.0	110	14.0	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	50.5	101	50.0	46.7	93.4	7.52	75-125	<20
Dibromofluoromethane	0.00	50.0	47.7	95.4	50.0	47.0	93.9	1.57	75-125	<20
Toluene-d8	0.00	50.0	46.9	93.8	50.0	45.9	91.8	2.13	75-125	<20

QC Batch No: 0527142A2; Dup or Spiked Sample: 73283.01; LCS: Clean Sand; QC Prepared: 05/27/2014;MS Analyzed: 05/28/2014; LCS Analyzed: 05/27/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	48.5	97.0	50.0	50.0	100	3.05	75-125	<20	
Chlorobenzene	50.0	44.8	89.6	50.0	44.5	89.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	53.5	107	50.0	57.0	114	6.33	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.4	101	50.0	50.4	101	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	46.0	92.0	50.0	47.8	96.0	4.26	75-125	<20	
Trichloroethene	50.0	54.0	108	50.0	54.7	109	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	51.8	104	50.0	53.4	107	2.84	75-125	<20	
Ethylbenzene	50.0	44.9	89.8	50.0	46.0	92.0	2.42	75-125	<20	
1,1,1-Trichloroethane	50.0	54.3	109	50.0	55.9	112	2.71	75-125	<20	
o-Xylene	50.0	45.1	90.2	50.0	44.0	88.0	2.47	75-125	<20	
m,p-Xylenes	100	88.1	88.1	100	90.2	90.2	2.36	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.7	97.3	50.0	48.1	96.2	1.13	75-125	<20	
Dibromofluoromethane	50.0	51.0	102	50.0	50.4	101	<1	75-125	<20	
Toluene-d8	50.0	46.8	93.7	50.0	47.5	94.9	1.28	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 30

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052314DB1; Dup or Spiked Sample: 73233.03; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	13.5	500	534	104	500	530	103	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	103	103	100	104	104	<1	75-125	<20

QC Batch No: 052314DB1; Dup or Spiked Sample: 73233.03; LCS: Clean Sand; QC Prepared: 05/23/2014; QC Analyzed: 05/23/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	514	103	75-125						
Surrogates										
Chlorobenzene	100	105	105	75-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73233	05/21/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3; Dup or Spiked Sample: 73263.04AGA; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/25/2014; LCS Analyzed: 05/24/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.248	1.00	1.11	86.2	1.00	1.14	89.2	3.4	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0399	79.8	0.0500	0.0413	82.6	3.4	75-125	<20

QC Batch No: 052314NB3; Dup or Spiked Sample: 73263.04AGA; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/25/2014; LCS Analyzed: 05/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.870	86.9	1.00	0.910	90.8	4.4	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0484	96.8	0.0500	0.0570	114	16.3	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 47
Date Received 05/22/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73263	05/22/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 7 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86027

AETL JOB No. 73263

Page 1 of ___

COMPANY: Tetra tech
PROJECT MANAGER: Sakar Niku
COMPANY ADDRESS: 3475 E. Foothill Blvd, Pasadena, CA
PHONE: 1-626-470-2455
FAX:
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura blvd, Calabasas, CA, 91302
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	THE 22 Metals 6010B/7471A	CrVI 7199	TPH-G 8015G	TPH-D 8015D	VOCs 8260B						TEST INSTRUCTIONS & COMMENTS
1	TtSB-2-5'	73263.01	5-22-14	1013	SOIL	1-6" acetate 4-40ml VOA	1 ep	X	X	X	X	X						
2	TtSB-2-12'	73263.02	5-22-14	1048	SOIL	"	"	X	X	X	X	X						
3	TtSB-2-20'	73263.03	5-22-14	1135	SOIL	"	"	X	X	X	X	X						
4	Disposal Soil-Rolloff	73263.04	5-22-14	1310	SOIL	1-Glass Jar	"	X	X	X	X	X						
5	TtSB-3-5'	73263.05	5-22-14	1310	SOIL	1-6" acetate sleeve 4-40ml VOA	"	X	X	X	X	X						
6	TtSB-3-12'	73263.06	5-22-14	1420	SOIL	"	"	X	X	X	X	X						
7	TtSB-3-16'	73263.07	5-22-14	1530	SOIL	"	"	X	X	X	X	X						
8	EQ-4	73263.08	"	1540	WATER	1 L AMBER	"				X							
9	EQ-4	73263.1	"	1540	WATER	2-250ml Poly	"	X	X									
10	EQ-4		"	1540	WATER	5-40ml VOA	"			X		X						
11	Trip blank 4	73263.09	"	1545	WATER	2-40ml VOA	"					X						
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	41	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) ___
☐ OTHER (PLEASE SPECIFY) ___

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: S Babakhanian	Printed Name:	Printed Name: Sarais-P
Date: 5-22-14 Time: 1547	Date: Time:	Date: 5.22.14 Time: 1710
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name: Sarais-P	Printed Name:	Printed Name: Sean Glande
Date: 5.22.14 Time: 1547	Date: Time:	Date: 05/22/14 Time: 1710

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/22/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73263	05/22/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 9 samples with the following specification on 05/22/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73263.08	EQB-4	05/22/2014	Aqueous	8

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/29/2014	2	Normal	mg/L
7199	05/29/2014	2	Normal	ug/L
8260B	05/29/2014	2	Normal	ug/L
M8015D ^ C13-C40	05/29/2014	2	Normal	mg/L
M8015G	05/29/2014	2	Normal	mg/L

73263.09	TB-4	05/22/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	05/29/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73263.01	TtSB-2-5'	05/22/2014	Soil	5
73263.02	TtSB-2-12'	05/22/2014	Soil	5
73263.03	TtSB-2-20'	05/22/2014	Soil	5
73263.04	Disposal Soil-Roll off	05/22/2014	Soil	1
73263.05	TtSB-3-5'	05/22/2014	Soil	5
73263.06	TtSB-3-12'	05/22/2014	Soil	5
73263.07	TtSB-3-16'	05/22/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/29/2014	2	Normal	mg/Kg
(7199)	05/29/2014	2	Normal	mg/Kg
(8260B)	05/29/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	05/29/2014	2	Normal	mg/Kg
(M8015G)	05/29/2014	2	Normal	mg/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/22/2014
Date Reported 06/05/2014

Job Number	Order Date	Client
73263	05/22/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73263.01**			
Client Sample I.D.				TtSB-2-5'			
Date Sampled				05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73263.01**			
Client Sample I.D.				TtSB-2-5'			
Date Sampled				05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			Method Blank	**73263.01**			
Client Sample I.D.				TtSB-2-5'			
Date Sampled				05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**73263.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		97.2	102			
Dibromofluoromethane	75-125		97.5	107			
Toluene-d8	75-125		97.1	96.8			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **5**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73263.02**	**73263.03**	**73263.04**	
Client Sample I.D.				TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off	
Date Sampled				05/22/2014	05/22/2014	05/22/2014	
Date Prepared			05/27/2014	05/27/2014	05/27/2014	05/27/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/27/2014	05/28/2014	05/28/2014	05/28/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	59.5	88.2	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73263.02**	**73263.03**	**73263.04**	
Client Sample I.D.				TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off	
Date Sampled				05/22/2014	05/22/2014	05/22/2014	
Date Prepared			05/27/2014	05/27/2014	05/27/2014	05/27/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/27/2014	05/28/2014	05/28/2014	05/28/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			Method Blank	**73263.02**	**73263.03**	**73263.04**	
Client Sample I.D.				TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off	
Date Sampled				05/22/2014	05/22/2014	05/22/2014	
Date Prepared			05/27/2014	05/27/2014	05/27/2014	05/27/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/27/2014	05/28/2014	05/28/2014	05/28/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73263.02**	**73263.03**	**73263.04**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		96.9	122	124	94.7	
Dibromofluoromethane	75-125		106	118	124	99.0	
Toluene-d8	75-125		97.0	116	112	97.5	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			**73263.05**	**73263.06**			
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'			
Date Sampled			05/22/2014	05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			73263.05	73263.06			
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'			
Date Sampled			05/22/2014	05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1

Our Lab I.D.			**73263.05**	**73263.06**			
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'			
Date Sampled			05/22/2014	05/22/2014			
Date Prepared			05/24/2014	05/24/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/24/2014	05/24/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			**73263.05**	**73263.06**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		107	113			
Dibromofluoromethane	75-125		105	106			
Toluene-d8	75-125		98.3	103			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			**73263.07**				
Client Sample I.D.			TtSB-3-16'				
Date Sampled			05/22/2014				
Date Prepared			05/27/2014				
Preparation Method			5035A				
Date Analyzed			05/28/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			**73263.07**				
Client Sample I.D.			TtSB-3-16'				
Date Sampled			05/22/2014				
Date Prepared			05/27/2014				
Preparation Method			5035A				
Date Analyzed			05/28/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2

Our Lab I.D.			**73263.07**				
Client Sample I.D.			TtSB-3-16'				
Date Sampled			05/22/2014				
Date Prepared			05/27/2014				
Preparation Method			5035A				
Date Analyzed			05/28/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73263.07**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		123				
Dibromofluoromethane	75-125		117				
Toluene-d8	75-125		119				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3

Our Lab I.D.			Method Blank	**73263.01**			
Client Sample I.D.				TtSB-2-5'			
Date Sampled				05/22/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/24/2014	05/25/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	0.125J			
Our Lab I.D.			Method Blank	**73263.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		87.8	98.2			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			Method Blank	**73263.02**			
Client Sample I.D.				TtSB-2-12'			
Date Sampled				05/22/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	0.377J			
Our Lab I.D.			Method Blank	**73263.02**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		91.0	78.0			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 16

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3

Our Lab I.D.			**73263.03**				
Client Sample I.D.			TtSB-2-20'				
Date Sampled			05/22/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/25/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73263.03**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		75.8				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			**73263.04**				
Client Sample I.D.			Disposal Soil-Roll off				
Date Sampled			05/22/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.248J				
Our Lab I.D.			**73263.04**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		77.4				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 18

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3

Our Lab I.D.			**73263.05**				
Client Sample I.D.			TtSB-3-5'				
Date Sampled			05/22/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/25/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73263.05**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		95.8				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 19

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			**73263.06**				
Client Sample I.D.			TtSB-3-12'				
Date Sampled			05/22/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73263.06**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		80.4				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3

Our Lab I.D.			**73263.07**				
Client Sample I.D.			TtSB-3-16'				
Date Sampled			05/22/2014				
Date Prepared			05/23/2014				
Preparation Method			5035A				
Date Analyzed			05/25/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73263.07**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		77.4				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052714DB1

Our Lab I.D.			Method Blank	**73263.01**	**73263.02**	**73263.03**	**73263.04**
Client Sample I.D.				TtSB-2-5'	TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off
Date Sampled				05/22/2014	05/22/2014	05/22/2014	05/22/2014
Date Prepared			05/27/2014	05/27/2014	05/27/2014	05/27/2014	05/27/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/27/2014	05/27/2014	05/27/2014	05/27/2014	05/27/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	14.0	19.3	15.1
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	47.2	79.2	34.1
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	61.2	98.5	49.2
Our Lab I.D.			Method Blank	**73263.01**	**73263.02**	**73263.03**	**73263.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		115	114	113	115	116

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **22**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052714DB1

Our Lab I.D.			**73263.05**	**73263.06**	**73263.07**		
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'	TtSB-3-16'		
Date Sampled			05/22/2014	05/22/2014	05/22/2014		
Date Prepared			05/27/2014	05/27/2014	05/27/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			05/27/2014	05/27/2014	05/27/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Diesel (C13-C22)	1.0	5.0	ND	28.8	24.4		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	130	138		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	159	162		
Our Lab I.D.			**73263.05**	**73263.06**	**73263.07**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Chlorobenzene	75-125		115	118	116		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C1

Our Lab I.D.			Method Blank	73263.01	73263.02	73263.03	73263.04
Client Sample I.D.				TtSB-2-5'	TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off
Date Sampled				05/22/2014	05/22/2014	05/22/2014	05/22/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	5.28	ND
Barium	2.5	5.0	ND	498	85.4	318	111
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	29.1	43.1	32.2	36.1
Cobalt	2.5	5.0	ND	16.9	7.51	7.05	9.51
Copper	2.5	5.0	ND	10.8	37.1	38.0	43.5
Lead	2.5	5.0	ND	ND	3.32J	2.54J	3.35J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	11.9	3.53J	11.2	18.5
Nickel	2.5	5.0	ND	55.0	47.4	53.1	59.9
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	14.0	48.4	29.7	31.9
Zinc	2.5	5.0	ND	47.0	86.7	98.4	94.6

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C1

Our Lab I.D.			**73263.05**	**73263.06**	**73263.07**		
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'	TtSB-3-16'		
Date Sampled			05/22/2014	05/22/2014	05/22/2014		
Date Prepared			06/03/2014	06/03/2014	06/03/2014		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			06/03/2014	06/03/2014	06/03/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	6.85	5.64		
Barium	2.5	5.0	57.0	54.1	48.0		
Beryllium	1.3	2.5	ND	ND	ND		
Cadmium	1.3	2.5	ND	ND	ND		
Chromium	2.5	5.0	36.5	46.5	47.5		
Cobalt	2.5	5.0	12.1	8.26	7.97		
Copper	2.5	5.0	14.9	46.4	38.5		
Lead	2.5	5.0	4.91J	2.92J	ND		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.5	5.0	14.3	13.2	7.50		
Nickel	2.5	5.0	39.8	79.5	50.1		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.5	5.0	ND	ND	ND		
Thallium	1.0	5.0	ND	ND	ND		
Vanadium	2.5	5.0	40.0	40.8	34.3		
Zinc	2.5	5.0	98.1	59.2	83.3		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 25

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052814-1

Our Lab I.D.			Method Blank	**73263.01**	**73263.02**	**73263.03**	**73263.04**
Client Sample I.D.				TtSB-2-5'	TtSB-2-12'	TtSB-2-20'	Disposal Soil-Roll off
Date Sampled				05/22/2014	05/22/2014	05/22/2014	05/22/2014
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052814-1

Our Lab I.D.			**73263.05**	**73263.06**	**73263.07**		
Client Sample I.D.			TtSB-3-5'	TtSB-3-12'	TtSB-3-16'		
Date Sampled			05/22/2014	05/22/2014	05/22/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			3060A	3060A	3060A		
Date Analyzed			05/28/2014	05/28/2014	05/28/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Chromium (VI)	0.20	0.20	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0526141A2

Our Lab I.D.			Method Blank	**73263.08**	**73263.09**		
Client Sample I.D.				EQB-4	TB-4		
Date Sampled				05/22/2014	05/22/2014		
Date Prepared			05/26/2014	05/26/2014	05/26/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/26/2014	05/26/2014	05/26/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0526141A2

Our Lab I.D.			Method Blank	**73263.08**	**73263.09**		
Client Sample I.D.				EQB-4	TB-4		
Date Sampled				05/22/2014	05/22/2014		
Date Prepared			05/26/2014	05/26/2014	05/26/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/26/2014	05/26/2014	05/26/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0526141A2

Our Lab I.D.			Method Blank	**73263.08**	**73263.09**		
Client Sample I.D.				EQB-4	TB-4		
Date Sampled				05/22/2014	05/22/2014		
Date Prepared			05/26/2014	05/26/2014	05/26/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/26/2014	05/26/2014	05/26/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73263.08**	**73263.09**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		115	121	125		
Dibromofluoromethane	75-125		102	101	100		
Toluene-d8	75-125		99.8	98.9	100		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 30

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB1

Our Lab I.D.			Method Blank	**73263.08**			
Client Sample I.D.				EQB-4			
Date Sampled				05/22/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			5030B	5030B			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73263.08**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		104	102			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052314DB1

Our Lab I.D.			Method Blank	**73263.08**			
Client Sample I.D.				EQB-4			
Date Sampled				05/22/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			3510C	3510C			
Date Analyzed			05/27/2014	05/27/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73263.08**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		81.0	74.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 32

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C2

Our Lab I.D.			Method Blank	**73263.08**			
Client Sample I.D.				EQB-4			
Date Sampled				05/22/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3005A	3005A			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 33

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1

Our Lab I.D.			Method Blank	**73263.08**			
Client Sample I.D.				EQB-4			
Date Sampled				05/22/2014			
Date Prepared			05/23/2014	05/23/2014			
Preparation Method			7199	7199			
Date Analyzed			05/23/2014	05/23/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **34**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C2; Dup or Spiked Sample: 73328.01; LCS: Clean Water; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	1.06	106	1.00	1.07	107	<1	75-125	<15
Arsenic	0.00	1.00	1.08	108	1.00	1.08	108	<1	75-125	<15
Barium	0.116	1.00	1.11	99.4	1.00	1.12	100	<1	75-125	<15
Beryllium	0.00	1.00	1.11	111	1.00	1.11	111	<1	75-125	<15
Cadmium	0.00	1.00	0.990	98.9	1.00	1.00	100	1.11	75-125	<15
Chromium	0.00	1.00	1.00	99.5	1.00	1.01	101	1.50	75-125	<15
Cobalt	0.00	1.00	0.970	97.4	1.00	0.990	98.6	1.22	75-125	<15
Copper	0.00	1.00	0.990	99.3	1.00	1.01	101	1.70	75-125	<15
Lead	0.00	1.00	0.970	96.7	1.00	0.970	96.9	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.0100	100	0.0100	0.0100	100	<1	75-125	<15
Molybdenum	0.00	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15
Nickel	0.00	1.00	0.960	96.4	1.00	0.980	97.8	1.44	75-125	<15
Selenium	0.00	1.00	1.10	110	1.00	1.10	110	<1	75-125	<15
Silver	0.00	1.00	0.890	88.6	1.00	0.910	91.1	2.78	75-125	<15
Thallium	0.00	1.00	0.960	96.3	1.00	0.960	96.3	<1	75-125	<15
Vanadium	0.00	1.00	1.02	102	1.00	1.04	104	1.94	75-125	<15
Zinc	0.00	1.00	1.07	107	1.00	1.08	108	<1	75-125	<15

QC Batch No: 0603142C2; Dup or Spiked Sample: 73328.01; LCS: Clean Water; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.960	95.6	1.00	0.950	95.0	<1	75-125	<15	
Arsenic	1.00	0.950	95.3	1.00	0.960	95.6	<1	75-125	<15	
Barium	1.00	1.00	99.8	1.00	1.00	100	<1	75-125	<15	
Beryllium	1.00	1.04	104	1.00	1.06	106	1.90	75-125	<15	
Cadmium	1.00	0.950	94.8	1.00	0.950	95.1	<1	75-125	<15	
Chromium	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Cobalt	1.00	1.00	99.8	1.00	1.00	100	<1	75-125	<15	
Copper	1.00	1.04	104	1.00	1.05	105	<1	75-125	<15	
Lead	1.00	0.980	97.6	1.00	0.970	97.0	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C2; Dup or Spiked Sample: 73328.01; LCS: Clean Water; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.0104	104	0.0100	0.0103	103	<1	75-125	<15	
Molybdenum	1.00	1.03	103	1.00	1.03	103	<1	75-125	<15	
Nickel	1.00	0.970	97.3	1.00	0.980	97.8	<1	75-125	<15	
Selenium	1.00	0.930	93.3	1.00	0.930	93.3	<1	75-125	<15	
Silver	1.00	0.950	94.8	1.00	0.960	95.5	<1	75-125	<15	
Thallium	1.00	0.990	98.9	1.00	0.990	98.9	<1	75-125	<15	
Vanadium	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Zinc	1.00	0.950	95.0	1.00	0.950	95.1	<1	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 36

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052314-1; Dup or Spiked Sample: 73263.08; LCS: Clean Water; LCS Prepared: 05/23/2014; LCS Analyzed: 05/23/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.500	0.456	91.2	0.500	0.441	88.2	3.3	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0526141A2; Dup or Spiked Sample: B0526141A2; LCS: Clean Water; QC Prepared: 05/26/2014; QC Analyzed: 05/26/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	45.7	91.4	50.0	46.4	92.8	1.52	75-125	<20
Chlorobenzene	0.00	50.0	48.3	96.6	50.0	48.2	96.4	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.3	88.6	50.0	43.1	86.2	2.75	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	49.5	99.0	50.0	52.0	104	4.93	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	47.1	94.2	50.0	47.0	94.0	<1	75-125	<20
Trichloroethene	0.00	50.0	62.5	125	50.0	62.5	125	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	54.5	109	50.0	53.0	106	2.75	75-125	<20
Dibromofluoromethane	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20
Toluene-d8	0.00	50.0	49.5	99.0	50.0	49.1	98.2	<1	75-125	<20

QC Batch No: 0526141A2; Dup or Spiked Sample: B0526141A2; LCS: Clean Water; QC Prepared: 05/26/2014; QC Analyzed: 05/26/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	43.0	86.0	50.0	43.3	87.0	1.16	75-125	<20	
Chlorobenzene	50.0	42.0	84.0	50.0	42.0	84.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	39.4	78.8	50.0	40.6	81.0	2.75	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.0	116	50.0	58.6	117	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	40.9	81.8	50.0	40.8	82.0	<1	75-125	<20	
Trichloroethene	50.0	54.0	108	50.0	54.4	109	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.7	93.4	50.0	48.6	97.0	3.78	75-125	<20	
Ethylbenzene	50.0	40.8	81.6	50.0	40.3	81.0	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	41.2	82.4	50.0	42.1	84.0	1.92	75-125	<20	
o-Xylene	50.0	41.2	82.4	50.0	40.0	80.0	2.96	75-125	<20	
m,p-Xylenes	100	81.6	81.6	100	80.7	80.7	1.11	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	55.5	111	50.0	54.3	109	1.80	75-125	<20	
Dibromofluoromethane	50.0	49.9	99.9	50.0	51.4	103	3.10	75-125	<20	
Toluene-d8	50.0	49.1	98.2	50.0	48.6	97.2	1.02	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052314DB1; Dup or Spiked Sample: 0523; LCS: Clean Water; QC Prepared: 05/23/2014; QC Analyzed: 05/27/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	5.28	106	5.00	5.35	107	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	2.08	104	2.00	1.59	79.5	23.6	60-125	<20

QC Batch No: 052314DB1; Dup or Spiked Sample: 0523; LCS: Clean Water; QC Prepared: 05/23/2014; QC Analyzed: 05/27/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.31	106	75-125						
Surrogates										
Chlorobenzene	2.00	1.76	88.0	60-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 39

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB1; Dup or Spiked Sample: B052314NB1; LCS: Clean Water; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	500	491	98.2	500	481	96.2	2.06	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	42.9	85.8	50.0	45.6	91.2	6.29	75-125	<20

QC Batch No: 052314NB1; Dup or Spiked Sample: B052314NB1; LCS: Clean Water; QC Prepared: 05/23/2014;MS Analyzed: 05/24/2014; LCS Analyzed: 05/23/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	500	441	88.2	500	506	101	13.5	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	42.3	84.6	50.0	43.5	87.0	2.84	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Site

24003 Ventura Blvd
Calabasas, CA 91302

Telephone: (626)351-4664
Attn: Dr. Salar Niku
Page: 40

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C1; Dup or Spiked Sample: 73339.01; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	46.7	93.4	50.0	45.4	90.8	2.82	75-125	<15
Arsenic	0.00	50.0	43.5	87.0	50.0	44.5	89.0	2.27	75-125	<15
Barium	44.0	50.0	87.2	86.4	50.0	87.3	86.6	<1	75-125	<15
Beryllium	0.00	50.0	47.4	94.8	50.0	47.4	94.8	<1	75-125	<15
Cadmium	0.00	50.0	43.3	86.6	50.0	43.3	86.6	<1	75-125	<15
Chromium	17.1	50.0	62.7	91.2	50.0	62.8	91.4	<1	75-125	<15
Cobalt	7.36	50.0	51.4	88.1	50.0	51.4	88.1	<1	75-125	<15
Copper	5.78	50.0	53.5	95.4	50.0	53.5	95.4	<1	75-125	<15
Lead	3.19	50.0	45.4	84.4	50.0	45.5	84.6	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.494	98.7	0.500	0.493	98.6	<1	75-125	<15
Molybdenum	0.00	50.0	45.3	90.6	50.0	45.4	90.8	<1	75-125	<15
Nickel	5.76	50.0	49.2	86.9	50.0	49.2	86.9	<1	75-125	<15
Selenium	0.00	50.0	42.1	84.2	50.0	40.8	81.6	3.14	75-125	<15
Silver	0.00	50.0	42.3	84.6	50.0	42.3	84.6	<1	75-125	<15
Thallium	0.00	50.0	35.9 M	71.8	50.0	36.2 M	72.4	<1	75-125	<15
Vanadium	37.3	50.0	85.1	95.6	50.0	85.3	96.0	<1	75-125	<15
Zinc	27.4	50.0	72.5	90.2	50.0	72.4	90.0	<1	75-125	<15

QC Batch No: 0603142C1; Dup or Spiked Sample: 73339.01; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	46.6	93.2	50.0	46.8	93.6	<1	75-125	<15	
Arsenic	50.0	46.4	92.8	50.0	46.8	93.6	<1	75-125	<15	
Barium	50.0	49.0	98.0	50.0	49.4	98.8	<1	75-125	<15	
Beryllium	50.0	51.7	103	50.0	51.5	103	<1	75-125	<15	
Cadmium	50.0	46.5	93.0	50.0	46.9	93.8	<1	75-125	<15	
Chromium	50.0	49.8	99.6	50.0	50.3	101	1.40	75-125	<15	
Cobalt	50.0	49.3	98.6	50.0	49.3	98.6	<1	75-125	<15	
Copper	50.0	51.4	103	50.0	51.9	104	<1	75-125	<15	
Lead	50.0	47.7	95.4	50.0	48.1	96.2	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0603142C1; Dup or Spiked Sample: 73339.01; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.515	103	<1	75-125	<15	
Molybdenum	50.0	50.4	101	50.0	50.8	102	<1	75-125	<15	
Nickel	50.0	47.8	95.6	50.0	48.3	96.6	1.04	75-125	<15	
Selenium	50.0	45.6	91.2	50.0	45.7	91.4	<1	75-125	<15	
Silver	50.0	46.9	93.8	50.0	47.3	94.6	<1	75-125	<15	
Thallium	50.0	48.6	97.2	50.0	48.7	97.4	<1	75-125	<15	
Vanadium	50.0	49.9	99.8	50.0	50.4	101	1.20	75-125	<15	
Zinc	50.0	46.5	93.0	50.0	46.9	93.8	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **42**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052814-1; Dup or Spiked Sample: 73283.01; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.298	119	0.250	0.290	116	2.6	75-125	<20

QC Batch No: 052814-1; Dup or Spiked Sample: 73283.01; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.293	117	0.250	0.293	117	<1	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **43**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0524142A1; Dup or Spiked Sample: 73263.04; LCS: Clean Sand; QC Prepared: 05/24/2014; QC Analyzed: 05/24/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	44.0	88.0	50.0	20.2	40.4	74.1	75-125	<20
Chlorobenzene	0.00	50.0	28.4	56.8	50.0	9.70	19.4	98.2	75-125	<20
1,1-Dichloroethene	0.00	50.0	60.0	120	50.0	27.8	55.6	73.3	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	65.0	130	50.0	31.5	63.0	69.4	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	52.5	105	50.0	16.2	32.4	105.7	75-125	<20
Trichloroethene	0.00	50.0	40.2	80.4	50.0	21.0	42.0	62.7	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	69.0	138	50.0	49.9	99.7	27.8	75-125	<20
Dibromofluoromethane	0.00	50.0	58.0	116	50.0	48.0	96.0	17.2	75-125	<20
Toluene-d8	0.00	50.0	69.0	138	50.0	48.8	97.6	29.3	75-125	<20

QC Batch No: 0524142A1; Dup or Spiked Sample: 73263.04; LCS: Clean Sand; QC Prepared: 05/24/2014; QC Analyzed: 05/24/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	46.7	93.4	50.0	50.6	101	7.82	75-125	<20	
Chlorobenzene	50.0	42.7	85.4	50.0	45.3	91.0	6.35	75-125	<20	
1,1-Dichloroethene	50.0	45.1	90.2	50.0	52.0	104	14.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.5	93.0	50.0	48.9	98.0	5.24	75-125	<20	
Toluene (Methyl benzene)	50.0	44.9	89.8	50.0	48.4	97.0	7.71	75-125	<20	
Trichloroethene	50.0	50.9	102	50.0	54.0	108	5.71	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.5	93.0	50.0	49.8	100	7.25	75-125	<20	
Ethylbenzene	50.0	43.4	86.8	50.0	46.4	93.0	6.90	75-125	<20	
1,1,1-Trichloroethane	50.0	53.4	107	50.0	53.8	108	<1	75-125	<20	
o-Xylene	50.0	43.0	86.0	50.0	45.0	90.0	4.55	75-125	<20	
m,p-Xylenes	100	83.9	83.9	100	91.7	91.7	8.88	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	47.7	95.4	50.0	47.2	94.4	1.05	75-125	<20	
Dibromofluoromethane	50.0	47.8	95.5	50.0	46.8	93.6	1.99	75-125	<20	
Toluene-d8	50.0	47.2	94.4	50.0	47.1	94.2	<1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **44**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0527142A2; Dup or Spiked Sample: 73283.01; LCS: Clean Sand; LCS Prepared: 05/27/2014; LCS Analyzed: 05/27/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	48.5	97.0	50.0	50.0	100	3.05	75-125	<20	
Chlorobenzene	50.0	44.8	89.6	50.0	44.5	89.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	53.4	107	50.0	57.0	114	6.33	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	50.4	101	50.0	50.4	101	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	46.0	92.0	50.0	47.8	96.0	4.26	75-125	<20	
Trichloroethene	50.0	54.0	108	50.0	54.7	109	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	51.8	104	50.0	53.4	107	2.84	75-125	<20	
Ethylbenzene	50.0	44.9	89.8	50.0	46.0	92.0	2.42	75-125	<20	
1,1,1-Trichloroethane	50.0	54.3	109	50.0	55.9	112	2.71	75-125	<20	
o-Xylene	50.0	45.1	90.2	50.0	44.0	88.0	2.47	75-125	<20	
m,p-Xylenes	100	88.1	88.1	100	90.2	90.2	2.36	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.7	97.3	50.0	48.1	96.2	1.13	75-125	<20	
Dibromofluoromethane	50.0	51.0	102	50.0	50.4	101	<1	75-125	<20	
Toluene-d8	50.0	46.8	93.7	50.0	47.5	94.9	1.28	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **45**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052714DB1; Dup or Spiked Sample: 73263.01; LCS: Clean Sand; QC Prepared: 05/27/2014; QC Analyzed: 05/27/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	528	106	500	539	108	1.87	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	105	105	100	114	114	8.57	75-125	<20

QC Batch No: 052714DB1; Dup or Spiked Sample: 73263.01; LCS: Clean Sand; QC Prepared: 05/27/2014; QC Analyzed: 05/27/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	516	103	75-125						
Surrogates										
Chlorobenzene	100	109	109	75-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 46

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052314NB3; Dup or Spiked Sample: 73263.04AGA; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/25/2014; LCS Analyzed: 05/24/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.248	1.00	1.11	86.2	1.00	1.14	89.2	3.4	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0399	79.8	0.0500	0.0413	82.6	3.4	75-125	<20

QC Batch No: 052314NB3; Dup or Spiked Sample: 73263.04AGA; LCS: Clean Sand; QC Prepared: 05/23/2014;MS Analyzed: 05/25/2014; LCS Analyzed: 05/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.870	86.9	1.00	0.910	90.8	4.4	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0484	96.8	0.0500	0.0570	114	16.3	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **47**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73263	05/22/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1; Dup or Spiked Sample: 73316.16GAS; LCS: Clean Sand; QC Prepared: 06/02/2014;MS Analyzed: 06/03/2014; LCS Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.920	91.7	1.00	0.930	93.4	1.84	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0539	108	0.0500	0.0524	105	2.78	75-125	<20

QC Batch No: 060214NB1; Dup or Spiked Sample: 73316.16GAS; LCS: Clean Sand; QC Prepared: 06/02/2014;MS Analyzed: 06/03/2014; LCS Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.870	86.6	1.00	0.870	86.8	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0463	92.6	0.0500	0.0454	90.8	1.94	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 38
Date Received 05/23/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73272	05/23/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 8 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86028

AETL JOB No. 73272

Page 1 of 1

COMPANY: Tetra tech
PROJECT MANAGER: Salar Niku
COMPANY ADDRESS: 3475 E. Foothill Blvd Pasadena, CA
PHONE / FAX: 1-626-470-2455
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura Blvd Calabasas, CA, 91302
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals Co Ni Cr/ 7471A	TPH-G 8010G	[redacted]	2 VOCs (8260B)	CrVI	SVOCs					TEST INSTRUCTIONS & COMMENTS
1	TEHA-1-5'	73272.01	5-23-14	0835	SOIL	1-6"-SS-Sleeve 4-40ml VOA	ICEP	X	X		2							
2	TEHA-4-5'	73272.02		1030				X	X		X	*	*					
3	TEHA-5-5'	73272.03		1130				X	X		X	*	*					
4	TEHA-5-10'	73272.04		1210				X	X		X	*	*					
5	TEHA-6-5'	73272.05		1245				X	X		X	*	*					
6	TEHA-6-10'	73272.06		1315				X	X		X	*	*					
7	EQ-5	73272.07		1600	water	[redacted] 250 Poly		X										
8	EQ-5	↓		1600	water	3x40ml VOA			X		X							
9	Trip Blk	73272.08		1600	water	2x40ml VOA					X							
10	TEHA-3-5'	73272.09		1515	Soil	1-6"-SS-Sleeve 4-40ml VOA		X	X		X	*						
11	TEHA-3-10'	73272.10		1530	Soil	?		X	X		X	*						
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	78	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: [illegible]	Printed Name:	Printed Name: Thomas Robinson
Date: 5-23-14 Time: 1605	Date: Time:	Date: 5-23-14 Time: 1720
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: Thomas Robinson	Printed Name:	Printed Name: Sean Sande
Date: 5-23-13 Time: 1605	Date: Time:	Date: 05/23/14 Time: 1720

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86028

AETL JOB No. 73272

Page 1 of 1

COMPANY: Tetra tech
PROJECT MANAGER: Salar-Niku
COMPANY ADDRESS: 3475 E. Foothill Blvd Pasadena, CA
PHONE / FAX: 1-626-470-2455
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura Blvd Calabasas, CA, 91302
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals (6010B/7471A)	TPH-G 8015G	[redacted]	8260B VOCs	Cr VI	SVOCs					TEST INSTRUCTIONS & COMMENTS
1	TEHA-1-5'	73272.01	5-23-14	0835	SOIL	1-6"-SS-Sleeve 4-40ml VOA	1 CEP	X	X		X							X Added 05/27/14
2	TEHA-4-5'	73272.02		1030				X	X		X	X	X					
3	TEHA-5-5'	73272.03		1130				X	X		X	X	X					
4	TEHA-5-10'	73272.04		1210				X	X		X	X	X					
5	TEHA-6-5'	73272.05		1245				X	X		X	X	X					
6	TEHA-6-10'	73272.06		1315				X	X		X	X	X					
7	EQ-5	73272.07		1600	water	250 Poly		X										
8	EQ-5	↓		1600	Water	3x40ml VOA			X		X							
9	Trip Blk	73272.08		1600	Water	2x40ml VOA					X							
10	TEHA-3-5'	73272.09		1515	Soil	4-6"-SS-Sleeve 4-40ml VOA		X	X		X	X						
11	TEHA-3-10'	73272.10		1530	Soil			X	X		X	X						
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	48	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: [illegible]	Printed Name:	Printed Name: Thomas Robinson
Date: 5-23-14 Time: 1605	Date: Time:	Date: 5-23-14 Time: 1720
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: Thomas Robinson	Printed Name:	Printed Name: Sean Sande
Date: 5-23-13 Time: 165	Date: Time:	Date: 05/23/14 Time: 1720

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/23/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73272	05/23/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 10 samples with the following specification on 05/23/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73272.07	EQB-5	05/23/2014	Aqueous	6

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/30/2014	2	Normal	mg/L
8260B	05/30/2014	2	Normal	ug/L
M8015G	05/30/2014	2	Normal	mg/L

73272.08	TB-5	05/23/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	05/30/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73272.01	TtHA-1-5'	05/23/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/30/2014	2	Normal	mg/Kg
(8260B)	05/30/2014	2	Normal	ug/Kg
(M8015G)	05/30/2014	2	Normal	mg/Kg

73272.02	TtHA-4-5'	05/23/2014	Soil	5
73272.03	TtHA-5-5'	05/23/2014	Soil	5
73272.04	TtHA-5-10'	05/23/2014	Soil	5
73272.05	TtHA-6-5'	05/23/2014	Soil	5
73272.06	TtHA-6-10'	05/23/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/30/2014	2	Normal	mg/Kg
(7199)	05/30/2014	2	Normal	mg/Kg
(8260B)	05/30/2014	2	Normal	ug/Kg
(8270C)	05/30/2014	2	Normal	mg/Kg
(M8015G)	05/30/2014	2	Normal	mg/Kg

73272.09	TtHA-3-5'	05/23/2014	Soil	5

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/23/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73272	05/23/2014	T/T

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

73272.10 TtHA-3-10' 05/23/2014 Soil 5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/30/2014	2	Normal	mg/Kg
(7199)	05/30/2014	2	Normal	mg/Kg
(8260B)	05/30/2014	2	Normal	ug/Kg
(M8015G)	05/30/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **2**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Client Sample I.D.				TtHA-1-5'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Client Sample I.D.				TtHA-1-5'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	21.7	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Client Sample I.D.				TtHA-1-5'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		101	98.5	102	103	102
Dibromofluoromethane	75-125		99.8	104	107	105	105
Toluene-d8	75-125		96.0	96.9	98.4	96.5	96.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			73272.05	73272.06	73272.09	73272.10	
Client Sample I.D.			TtHA-6-5'	TtHA-6-10'	TtHA-3-5'	TtHA-3-10'	
Date Sampled			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			73272.05	73272.06	73272.09	73272.10	
Client Sample I.D.			TtHA-6-5'	TtHA-6-10'	TtHA-3-5'	TtHA-3-10'	
Date Sampled			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	2.54J	4.73J	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	9.86J	20.3	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			**73272.05**	**73272.06**	**73272.09**	**73272.10**	
Client Sample I.D.			TtHA-6-5'	TtHA-6-10'	TtHA-3-5'	TtHA-3-10'	
Date Sampled			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			**73272.05**	**73272.06**	**73272.09**	**73272.10**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		103	99.1	108	105	
Dibromofluoromethane	75-125		106	104	112	107	
Toluene-d8	75-125		96.1	96.7	104	97.5	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB2

Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Client Sample I.D.				TtHA-1-5'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		93.0	92.2	105	101	119

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 9

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB2

Our Lab I.D.			**73272.05**	**73272.06**			
Client Sample I.D.			TtHA-6-5'	TtHA-6-10'			
Date Sampled			05/23/2014	05/23/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/30/2014	05/30/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			**73272.05**	**73272.06**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		93.8	104			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 10

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			Method Blank	**73272.09**			
Client Sample I.D.				TtHA-3-5'			
Date Sampled				05/23/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**73272.09**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		91.0	91.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB2

Our Lab I.D.			**73272.10**				
Client Sample I.D.			TtHA-3-10'				
Date Sampled			05/23/2014				
Date Prepared			05/29/2014				
Preparation Method			5035A				
Date Analyzed			05/30/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73272.10**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		93.6				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1

Our Lab I.D.			Method Blank	**73272.01**	**73272.02**	**73272.03**	**73272.04**
Client Sample I.D.				TtHA-1-5'	TtHA-4-5'	TtHA-5-5'	TtHA-5-10'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	374	390	89.1	86.9
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	31.6	32.3	30.0	25.7
Cobalt	2.5	5.0	ND	6.94	3.55J	6.37	5.35
Copper	2.5	5.0	ND	22.6	23.5	29.9	28.0
Lead	2.5	5.0	ND	ND	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	3.94J	2.70J	ND	3.84J
Nickel	2.5	5.0	ND	34.5	35.9	32.3	25.3
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	21.7	36.3	20.6	21.3
Zinc	2.5	5.0	ND	60.4	59.5	62.7	98.3

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **13**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1

Our Lab I.D.			**73272.05**	**73272.06**	**73272.09**	**73272.10**	
Client Sample I.D.			TtHA-6-5'	TtHA-6-10'	TtHA-3-5'	TtHA-3-10'	
Date Sampled			05/23/2014	05/23/2014	05/23/2014	05/23/2014	
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	ND	ND	8.19	14.1	
Barium	2.5	5.0	62.8	123	106	103	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	31.8	31.7	31.0	31.0	
Cobalt	2.5	5.0	4.20J	5.27	5.23	5.22	
Copper	2.5	5.0	24.8	26.0	25.7	34.2	
Lead	2.5	5.0	3.18J	ND	ND	2.77J	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	
Molybdenum	2.5	5.0	6.76	9.58	ND	8.78	
Nickel	2.5	5.0	38.7	49.2	39.9	39.1	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	33.2	30.2	35.2	38.5	
Zinc	2.5	5.0	80.6	73.0	71.3	76.4	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73272.02**	**73272.03**	**73272.04**	**73272.05**
Client Sample I.D.				TtHA-4-5'	TtHA-5-5'	TtHA-5-10'	TtHA-6-5'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73272.02**	**73272.03**	**73272.04**	**73272.05**
Client Sample I.D.				TtHA-4-5'	TtHA-5-5'	TtHA-5-10'	TtHA-6-5'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73272.02**	**73272.03**	**73272.04**	**73272.05**
Client Sample I.D.				TtHA-4-5'	TtHA-5-5'	TtHA-5-10'	TtHA-6-5'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73272.02**	**73272.03**	**73272.04**	**73272.05**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
2-Fluorophenol	25-121		63.6	52.0	65.0	56.2	44.0
2-Fluorobiphenyl	30-115		74.4	61.2	69.6	63.2	45.2
Nitrobenzene-d5	23-120		67.2	54.8	65.6	56.8	42.0
Phenol-d6	21-113		64.8	52.6	63.4	55.2	44.2
p-Terphenyl-D14	18-137		89.6	63.2	85.2	66.8	50.0
2,4,6-Tribromophenol	19-122		64.6	53.8	63.6	56.0	35.6

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			**73272.06**				
Client Sample I.D.			TtHA-6-10'				
Date Sampled			05/23/2014				
Date Prepared			05/28/2014				
Preparation Method			3550B				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	0.25	0.50	ND				
Acenaphthylene	0.25	0.50	ND				
Anthracene	0.25	0.50	ND				
Azobenzene	0.25	0.50	ND				
Benzidine	0.25	0.50	ND				
Benzo(a)anthracene	0.25	0.50	ND				
Benzo(a)pyrene	0.25	0.50	ND				
Benzo(b)fluoranthene	0.25	0.50	ND				
Benzo(g,h,i)perylene	0.25	0.50	ND				
Benzo(k)fluoranthene	0.25	0.50	ND				
Benzoic Acid	0.25	0.50	ND				
Benzyl Alcohol	0.25	0.50	ND				
Bis(2-Chloroethoxy)methane	0.25	0.50	ND				
Bis(2-Chloroethyl)ether	0.25	0.50	ND				
Bis(2-chloroisopropyl) ether	0.25	0.50	ND				
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND				
4-Bromophenyl phenyl ether	0.25	0.50	ND				
Butyl benzyl phthalate	0.25	0.50	ND				
4-Chloro-3-methylphenol	0.25	0.50	ND				
4-Chloroaniline	0.25	0.50	ND				
2-Chloronaphthalene	0.25	0.50	ND				
2-Chlorophenol	0.25	0.50	ND				
4-Chlorophenyl phenyl ether	0.25	0.50	ND				
Chrysene	0.25	0.50	ND				
Di-n-butyl phthalate	0.25	0.50	ND				
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND				
Dibenzo(a,h)anthracene	0.25	0.50	ND				
Dibenzofuran	0.25	0.50	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			**73272.06**				
Client Sample I.D.			TtHA-6-10'				
Date Sampled			05/23/2014				
Date Prepared			05/28/2014				
Preparation Method			3550B				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene	0.25	0.50	ND				
1,3-Dichlorobenzene	0.25	0.50	ND				
1,4-Dichlorobenzene	0.25	0.50	ND				
3,3'-Dichlorobenzidine	0.25	0.50	ND				
2,4-Dichlorophenol	0.25	0.50	ND				
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND				
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND				
2,4-Dimethylphenol	0.25	0.50	ND				
4,6-Dinitro-2-methylphenol	0.25	0.50	ND				
2,4-Dinitrophenol	0.25	0.50	ND				
2,4-Dinitrotoluene	0.25	0.50	ND				
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND				
Fluoranthene	0.25	0.50	ND				
Fluorene	0.25	0.50	ND				
Hexachlorobenzene	0.25	0.50	ND				
Hexachlorobutadiene	0.25	0.50	ND				
Hexachlorocyclopentadiene	0.25	0.50	ND				
Hexachloroethane	0.25	0.50	ND				
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND				
Isophorone	0.25	0.50	ND				
2-Methylnaphthalene	0.25	0.50	ND				
4-Methylphenol	0.25	0.50	ND				
2-Methylphenol (2-Cresol)	0.25	0.50	ND				
3-Methylphenol (3-Cresol)	0.25	0.50	ND				
N-Nitroso-Di-n-propylamine	0.25	0.50	ND				
Naphthalene	0.25	0.50	ND				
2-Nitroaniline	0.25	0.50	ND				
3-Nitroaniline	0.25	0.50	ND				
4-Nitroaniline	0.25	0.50	ND				
Nitrobenzene (NB)	0.25	0.50	ND				
4-Nitrophenol	0.25	0.50	ND				
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND				
N-nitrosodiphenylamine	0.25	0.50	ND				
Pentachlorophenol	0.25	0.50	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			**73272.06**				
Client Sample I.D.			TtHA-6-10'				
Date Sampled			05/23/2014				
Date Prepared			05/28/2014				
Preparation Method			3550B				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Phenanthrene	0.25	0.50	ND				
Phenol	0.25	0.50	ND				
Pyrene	0.25	0.50	ND				
1,2,4-Trichlorobenzene	0.25	0.50	ND				
2,4,5-Trichlorophenol	0.25	0.50	ND				
2,4,6-Trichlorophenol	0.25	0.50	ND				
Our Lab I.D.			**73272.06**				
Surrogates	**%Rec.Limit**		**% Rec.**				
2-Fluorophenol	25-121		47.4				
2-Fluorobiphenyl	30-115		46.8				
Nitrobenzene-d5	23-120		44.0				
Phenol-d6	21-113		47.0				
p-Terphenyl-D14	18-137		54.8				
2,4,6-Tribromophenol	19-122		37.6				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			Method Blank	**73272.02**	**73272.03**	**73272.04**	**73272.05**
Client Sample I.D.				TtHA-4-5'	TtHA-5-5'	TtHA-5-10'	TtHA-6-5'
Date Sampled				05/23/2014	05/23/2014	05/23/2014	05/23/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	0.534	1.02	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			**73272.06**	**73272.09**	**73272.10**		
Client Sample I.D.			TtHA-6-10'	TtHA-3-5'	TtHA-3-10'		
Date Sampled			05/23/2014	05/23/2014	05/23/2014		
Date Prepared			05/29/2014	05/29/2014	05/29/2014		
Preparation Method			3060A	3060A	3060A		
Date Analyzed			05/29/2014	05/29/2014	05/29/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Chromium (VI)	0.20	0.20	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0528146A1

Our Lab I.D.			Method Blank	**73272.07**	**73272.08**		
Client Sample I.D.				EQB-5	TB-5		
Date Sampled				05/23/2014	05/23/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/28/2014	05/28/2014	05/28/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0528146A1

Our Lab I.D.			Method Blank	**73272.07**	**73272.08**		
Client Sample I.D.				EQB-5	TB-5		
Date Sampled				05/23/2014	05/23/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/28/2014	05/28/2014	05/28/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0528146A1

Our Lab I.D.			Method Blank	**73272.07**	**73272.08**		
Client Sample I.D.				EQB-5	TB-5		
Date Sampled				05/23/2014	05/23/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/28/2014	05/28/2014	05/28/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73272.07**	**73272.08**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		97.3	94.2	97.7		
Dibromofluoromethane	75-125		88.0	91.6	90.5		
Toluene-d8	75-125		83.6	82.4	86.2		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 25

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052814NB1

Our Lab I.D.			Method Blank	**73272.07**			
Client Sample I.D.				EQB-5			
Date Sampled				05/23/2014			
Date Prepared			05/28/2014	05/28/2014			
Preparation Method			5030B	5030B			
Date Analyzed			05/28/2014	05/28/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73272.07**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		111	106			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2

Our Lab I.D.			Method Blank	**73272.07**			
Client Sample I.D.				EQB-5			
Date Sampled				05/23/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			3005A	3005A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Arsenic	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Barium	0.00	1.00	1.08	108	1.00	1.06	106	1.87	75-125	<15
Beryllium	0.00	1.00	1.10	110	1.00	1.09	109	<1	75-125	<15
Cadmium	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Chromium	0.00	1.00	1.05	105	1.00	1.04	104	<1	75-125	<15
Cobalt	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15
Copper	0.00	1.00	1.04	104	1.00	1.03	103	<1	75-125	<15
Lead	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00869	86.9	0.0100	0.00832	83.2	4.4	75-125	<15
Molybdenum	0.00	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15
Nickel	0.00	1.00	1.07	107	1.00	1.06	106	<1	75-125	<15
Selenium	0.00	1.00	1.09	109	1.00	1.11	111	1.82	75-125	<15
Silver	0.00	1.00	0.150M	14.7	1.00	0.140M	14.3	2.76	75-125	<15
Thallium	0.00	1.00	1.13	113	1.00	1.11	111	1.79	75-125	<15
Vanadium	0.00	1.00	1.05	105	1.00	1.03	103	1.92	75-125	<15
Zinc	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Arsenic	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Barium	1.00	1.00	99.6	1.00	1.00	100	<1	75-125	<15	
Beryllium	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15	
Cadmium	1.00	0.980	98.4	1.00	0.990	99.4	1.01	75-125	<15	
Chromium	1.00	0.990	98.5	1.00	0.990	99.1	<1	75-125	<15	
Cobalt	1.00	0.960	96.1	1.00	0.970	96.9	<1	75-125	<15	
Copper	1.00	0.970	97.1	1.00	0.980	97.9	<1	75-125	<15	
Lead	1.00	0.960	95.6	1.00	0.960	95.8	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.00892	89.2	0.0100	0.00891	89.1	<1	75-125	<15	
Molybdenum	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Nickel	1.00	0.960	95.6	1.00	0.960	96.2	<1	75-125	<15	
Selenium	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15	
Silver	1.00	0.950	95.1	1.00	0.960	95.7	<1	75-125	<15	
Thallium	1.00	1.00	99.6	1.00	1.01	101	1.40	75-125	<15	
Vanadium	1.00	1.00	100	1.00	1.01	101	<1	75-125	<15	
Zinc	1.00	1.00	99.8	1.00	1.01	101	1.20	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 29

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0528146A1; Dup or Spiked Sample: B0528146A1; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	47.7	95.4	50.0	44.3	88.6	7.39	75-125	<20
Chlorobenzene	0.00	50.0	46.8	93.6	50.0	41.5	83.0	12.0	75-125	<20
1,1-Dichloroethene	0.00	50.0	40.2	80.4	50.0	48.3	96.6	18.3	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	47.0	94.0	50.0	41.6	83.2	12.2	75-125	<20
Trichloroethene	0.00	50.0	47.0	94.0	50.0	44.7	89.4	5.02	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.4	92.7	50.0	46.2	92.3	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	43.3	86.5	50.0	42.5	84.9	1.85	75-125	<20
Toluene-d8	0.00	50.0	39.4	78.8	50.0	40.0	79.9	1.40	75-125	<20

QC Batch No: 0528146A1; Dup or Spiked Sample: B0528146A1; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	47.3	94.6	50.0	46.2	92.0	2.79	75-125	<20	
Chlorobenzene	50.0	46.3	92.6	50.0	44.0	88.0	5.09	75-125	<20	
1,1-Dichloroethene	50.0	43.6	87.2	50.0	39.4	79.0	9.87	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	49.3	98.6	50.0	52.3	105	6.29	75-125	<20	
Toluene (Methyl benzene)	50.0	47.6	95.2	50.0	45.2	90.0	5.62	75-125	<20	
Trichloroethene	50.0	46.5	93.0	50.0	45.9	92.0	1.08	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20	
Ethylbenzene	50.0	52.4	105	50.0	47.3	95.0	10.0	75-125	<20	
1,1,1-Trichloroethane	50.0	56.2	112	50.0	52.3	105	6.45	75-125	<20	
o-Xylene	50.0	47.0	94.0	50.0	42.5	85.0	10.1	75-125	<20	
m,p-Xylenes	100	95.6	95.6	100	86.1	86.1	10.5	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.3	92.6	50.0	48.5	97.0	4.75	75-125	<20	
Dibromofluoromethane	50.0	42.5	85.0	50.0	44.0	87.9	3.41	75-125	<20	
Toluene-d8	50.0	40.1	80.2	50.0	40.7	81.4	1.50	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 30

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052814NB1; Dup or Spiked Sample: 73276.02FGA; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.626	0.500	1.09	92.8	0.500	1.07	88.8	4.41	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0510	102	0.0500	0.0537	107	4.90	75-125	<20

QC Batch No: 052814NB1; Dup or Spiked Sample: 73276.02FGA; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.440	87.4	0.500	0.450	89.6	2.49	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0421	84.2	0.0500	0.0416	83.2	1.19	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	44.5	89.0	50.0	44.5	89.0	<1	75-125	<15
Arsenic	0.00	50.0	46.9	93.8	50.0	47.1	94.2	<1	75-125	<15
Barium	374	50.0	312 M	-124.0	50.0	316 M	-116.0	6.67	75-125	<15
Beryllium	0.00	50.0	44.8	89.6	50.0	44.7	89.4	<1	75-125	<15
Cadmium	0.00	50.0	42.9	85.8	50.0	43.2	86.4	<1	75-125	<15
Chromium	31.6	50.0	76.5	89.8	50.0	77.1	91.0	1.33	75-125	<15
Cobalt	6.94	50.0	47.2	80.5	50.0	48.2	82.5	2.45	75-125	<15
Copper	22.6	50.0	69.8	94.4	50.0	70.0	94.8	<1	75-125	<15
Lead	0.00	50.0	41.0	82.0	50.0	41.8	83.6	1.93	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.419	83.8	0.500	0.428	85.6	2.1	75-125	<15
Molybdenum	3.94	50.0	46.8	85.7	50.0	48.1	88.3	2.99	75-125	<15
Nickel	34.5	50.0	75.5	82.0	50.0	76.3	83.6	1.93	75-125	<15
Selenium	0.00	50.0	39.7	79.4	50.0	38.6	77.2	2.81	75-125	<15
Silver	0.00	50.0	44.5	89.0	50.0	44.7	89.4	<1	75-125	<15
Thallium	0.00	50.0	36.8	73.6	50.0	37.6	75.2	2.15	75-125	<15
Vanadium	21.7	50.0	67.3	91.2	50.0	68.1	92.8	1.74	75-125	<15
Zinc	60.4	50.0	102	83.2	50.0	102	83.2	<1	75-125	<15

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	47.0	94.0	50.0	47.8	95.6	1.69	75-125	<15	
Arsenic	50.0	46.6	93.2	50.0	46.6	93.2	<1	75-125	<15	
Barium	50.0	47.8	95.6	50.0	49.4	98.8	3.29	75-125	<15	
Beryllium	50.0	50.2	100	50.0	50.2	100	<1	75-125	<15	
Cadmium	50.0	46.6	93.2	50.0	47.8	95.6	2.54	75-125	<15	
Chromium	50.0	48.9	97.8	50.0	50.2	100	2.22	75-125	<15	
Cobalt	50.0	48.9	97.8	50.0	50.0	100	2.22	75-125	<15	
Copper	50.0	51.2	102	50.0	52.1	104	1.94	75-125	<15	
Lead	50.0	46.3	92.6	50.0	47.5	95.0	2.56	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.488	97.5	0.500	0.479	95.8	1.8	75-125	<15	
Molybdenum	50.0	49.0	98.0	50.0	50.3	101	3.02	75-125	<15	
Nickel	50.0	48.0	96.0	50.0	49.3	98.6	2.67	75-125	<15	
Selenium	50.0	45.7	91.4	50.0	45.2	90.4	1.10	75-125	<15	
Silver	50.0	46.4	92.8	50.0	47.3	94.6	1.92	75-125	<15	
Thallium	50.0	49.8	99.6	50.0	50.9	102	2.38	75-125	<15	
Vanadium	50.0	49.2	98.4	50.0	50.6	101	2.61	75-125	<15	
Zinc	50.0	46.4	92.8	50.0	46.9	93.8	1.07	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 33

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1; Dup or Spiked Sample: 73272.02; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.300	120	0.250	0.290	116	3.4	75-125	<20

QC Batch No: 052914-1; Dup or Spiked Sample: 73272.02; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.275	110	0.250	0.293	117	6.2	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **34**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2; Dup or Spiked Sample: B0530142A2; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	43.1	86.2	50.0	42.5	85.0	1.40	75-125	<20
Chlorobenzene	0.00	50.0	39.8	79.6	50.0	39.1	78.2	1.77	75-125	<20
1,1-Dichloroethene	0.00	50.0	40.1	80.2	50.0	38.7	77.4	3.55	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	50.5	101	50.0	48.5	97.0	4.04	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	39.9	79.8	50.0	39.1	78.2	2.03	75-125	<20
Trichloroethene	0.00	50.0	44.8	89.6	50.0	43.8	87.6	2.26	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	49.8	99.6	50.0	47.9	95.8	3.82	75-125	<20
Dibromofluoromethane	0.00	50.0	46.6	93.2	50.0	45.9	91.7	1.61	75-125	<20
Toluene-d8	0.00	50.0	47.9	95.8	50.0	46.8	93.5	2.40	75-125	<20

QC Batch No: 0530142A2; Dup or Spiked Sample: B0530142A2; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	46.2	92.4	50.0	48.9	98.0	5.88	75-125	<20	
Chlorobenzene	50.0	42.9	85.8	50.0	44.5	89.0	3.66	75-125	<20	
1,1-Dichloroethene	50.0	47.1	94.2	50.0	48.8	98.0	3.95	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.8	95.6	50.0	49.0	98.0	2.48	75-125	<20	
Toluene (Methyl benzene)	50.0	45.2	90.4	50.0	46.0	92.0	1.75	75-125	<20	
Trichloroethene	50.0	50.5	101	50.0	52.5	105	3.88	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	45.5	91.0	50.0	49.5	99.0	8.42	75-125	<20	
Ethylbenzene	50.0	43.8	87.6	50.0	45.0	90.0	2.70	75-125	<20	
1,1,1-Trichloroethane	50.0	52.3	105	50.0	53.7	107	1.89	75-125	<20	
o-Xylene	50.0	41.1	82.2	50.0	43.7	87.0	5.67	75-125	<20	
m,p-Xylenes	100	85.1	85.1	100	87.3	87.3	2.55	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.0	92.0	50.0	49.9	99.8	8.48	75-125	<20	
Dibromofluoromethane	50.0	44.4	88.8	50.0	47.0	94.0	5.86	75-125	<20	
Toluene-d8	50.0	46.7	93.5	50.0	48.2	96.4	3.10	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 35

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.91	76.4	2.50	1.99	79.6	4.1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.44	68.8	5.00	3.62	72.4	5.1	39-98	<20
2-Chlorophenol	0.00	5.00	3.44	68.8	5.00	3.54	70.8	2.9	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.83	73.2	2.50	1.90	76.0	3.8	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.67	66.8	2.50	1.71	68.4	2.4	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.81	72.4	2.50	2.00	80.0	10.0	41-116	<20
4-Nitrophenol	0.00	5.00	2.19	43.8	5.00	1.92	38.4	13.1	10-110	<20
Pentachlorophenol	0.00	5.00	2.05	41.0	5.00	2.14	42.8	4.3	40-125	<20
Phenol	0.00	5.00	3.26	65.2	5.00	3.46	69.2	6.0	12-89	<20
Pyrene	0.00	5.00	2.21	44.2	5.00	2.45	49.0	10.3	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.78	71.2	2.50	1.84	73.6	3.3	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	3.09	61.8	5.00	3.15	63.0	1.9	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.66	66.4	2.50	1.68	67.2	1.2	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.60	64.0	2.50	1.62	64.8	1.2	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.84	73.6	2.50	2.01	80.4	8.8	18-137	<20
Phenol-d6	0.00	5.00	3.03	60.6	5.00	3.16	63.2	4.2	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	2.97	59.4	5.00	3.11	62.2	4.6	19-122	<20

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	2.50	2.25	90.0	31-137						
4-Chloro-3-methylphenol	5.00	4.12	82.4	40-99						
2-Chlorophenol	5.00	3.65	73.0	25-102						
1,4-Dichlorobenzene	2.50	1.89	75.6	28-104						
2,4-Dinitrotoluene	2.50	2.21	88.4	28-89						
N-Nitroso-Di-n-propylamine	2.50	2.30	92.0	41-126						
4-Nitrophenol	5.00	2.78	55.6	11-114						
Pentachlorophenol	5.00	2.48	49.6	17-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	3.63	72.6	26-90						
Pyrene	5.00	2.83	56.6	35-142						
1,2,4-Trichlorobenzene	2.50	1.94	77.6	38-107						
Surrogates										
2-Fluorophenol	5.00	3.25	65.0	25-121						
2-Fluorobiphenyl	2.50	1.97	78.8	30-115						
Nitrobenzene-d5	2.50	1.80	72.0	23-120						
p-Terphenyl-D14	2.50	2.39	95.6	18-137						
Phenol-d6	5.00	3.40	68.0	24-113						
2,4,6-Tribromophenol	5.00	3.82	76.4	19-122						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 052914NB2; Dup or Spiked Sample: 73272.01AGA; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0570	1.00	0.850	78.9	1.00	0.880	82.4	4.34	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0439	87.8	0.0500	0.0467	93.4	6.38	75-125	<20

QC Batch No: 052914NB2; Dup or Spiked Sample: 73272.01AGA; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.940	94.3	1.00	0.880	87.7	7.25	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0449	89.8	0.0500	0.0462	92.4	2.90	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73272	05/23/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1; Dup or Spiked Sample: 73316.16; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.917	91.7	1.00	0.934	93.4	1.84	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0540	108	0.0500	0.0525	105	2.78	75-125	<20

QC Batch No: 060214NB1; Dup or Spiked Sample: 73316.16; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.866	86.6	1.00	0.868	86.8	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0463	92.6	0.0500	0.0454	90.8	1.94	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 71
Date Received 05/27/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73290	05/27/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 10 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86029

AETL JOB No. 73290

Page 1 of 4

COMPANY: Letra tech
PROJECT MANAGER: Sakar Nikru
COMPANY ADDRESS: 3475 E. Foothill blvd, CA, 9
PHONE:
FAX:
PROJECT NAME: Calabasas Storage
PROJECT #: 100PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura blvd Calabasas, CA
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals (6010B/7471A)	CrVI (7199)	SVOC's (8270C)	VOC's (8260B)	TPHG (8015G)	TPHD (8015D)					TEST INSTRUCTIONS & COMMENTS
1	TtSG-1-5'	73290.01	5-27-14	0933	SOIL	1-6"-SS-Sleeve 8-40ml VOA	ICED	X	X	X	X	X	X					QC
2	TtSG-1-15'	73290.02		0944		1-6"-SS-Sleeve 4-40ml VOA		X	X	X	X	X	X					
3	TtSG-1-15'-D	73290.03		0944				X	X	X	X	X	X					
4	TtSG-1-20'	73290.04		1001				X	X	X	X	X	X					
5	TtSG-2-5'	73290.05		1123				X	X	X	X	X	X					
6	TtSG-2-15'	73290.06		1135				X	X	X	X	X	X					
7	TtSG-2-20'	73290.07		1143				X	X	X	X	X	X					
8	[redacted]	~~73290.08~~		[redacted]	[redacted]			[redacted]			[redacted]							
9	TtSB-4-5'	73290.08		1354	SOIL			X	X		X	X	X					
10	TtSB-4-15	73290.09		1407				X	X		X	X	X					
11	TtSB-4-20'	73290.10		1415				X	X		X	X	X					
12	EQ-6	73290.11		1500	WATER	2-250ml Poly		X	X									
13	EQ-6			1500	WATER	2-1 Litre Amber				X			X					
14	EQ-6			1500	WATER	5-VOA 40ml					X	X						
15	Trip blank	73290.12		1515	WATER	2-VOA 40ml					X							

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	65	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☑ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Shant. Babakmanian	Printed Name:	Printed Name: C. Pacheco
Date: 5-27-14 Time: 1533	Date: Time:	Date: 05/27/14 Time: 1630
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.** AETL
Signature:	Signature:	Signature:
Printed Name: Charlton Pacheco	Printed Name:	Printed Name: Jean Claude
Date: 5/27/14 Time: 1533	Date: Time:	Date: 05/27/14 Time: 1630

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/27/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73290	05/27/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 12 samples with the following specification on 05/27/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73290.11	EQB-6	05/27/2014	Aqueous	9

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	06/03/2014	2	Normal	mg/L
7199	06/03/2014	2	Normal	ug/L
8260B	06/03/2014	2	Normal	ug/L
8270C	06/03/2014	2	Normal	ug/L
M8015D ^ C13-C40	06/03/2014	2	Normal	mg/L
M8015G	06/03/2014	2	Normal	mg/L

73290.12	TB-6	05/27/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	06/03/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73290.01	TtSG-1-5'	05/27/2014	Soil	9
73290.02	TtSG-1-15'	05/27/2014	Soil	9
73290.03	TtSG-1-15'-D	05/27/2014	Soil	9
73290.04	TtSG-1-20'	05/27/2014	Soil	9
73290.05	TtSG-2-5'	05/27/2014	Soil	9
73290.06	TtSG-2-15'	05/27/2014	Soil	9
73290.07	TtSG-2-20'	05/27/2014	Soil	9

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/03/2014	2	Normal	mg/Kg
(7199)	06/03/2014	2	Normal	mg/Kg
(8260B)	06/03/2014	2	Normal	ug/Kg
(8270C)	06/03/2014	2	Normal	mg/Kg
(M8015D) ^ C13-C40	06/03/2014	2	Normal	mg/Kg
(M8015G)	06/03/2014	2	Normal	mg/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/27/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73290	05/27/2014	T/T

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73290.08	TtSG-4-5'	05/27/2014	Soil	9
73290.09	TtSG-4-15'	05/27/2014	Soil	9
73290.10	TtSG-4-20'	05/27/2014	Soil	9

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(6010B/7000CAM)	06/03/2014	2	Normal	mg/Kg
(7199)	06/03/2014	2	Normal	mg/Kg
(8260B)	06/03/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	06/03/2014	2	Normal	mg/Kg
(M8015G)	06/03/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73290.01**			
Client Sample I.D.				TtSG-1-5'			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73290.01**			
Client Sample I.D.				TtSG-1-5'			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73290.01**			
Client Sample I.D.				TtSG-1-5'			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**73290.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		97.0	100			
Dibromofluoromethane	75-125		90.1	97.1			
Toluene-d8	75-125		92.9	95.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			Method Blank	**73290.02**	**73290.03**		
Client Sample I.D.				TtSG-1-15'	TtSG-1-15'-D		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	1.58J	2.28J		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			Method Blank	**73290.02**	**73290.03**		
Client Sample I.D.				TtSG-1-15'	TtSG-1-15'-D		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	1.90J	1.86J		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	1.52J	2.71J		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			Method Blank	**73290.02**	**73290.03**		
Client Sample I.D.				TtSG-1-15'	TtSG-1-15'-D		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73290.02**	**73290.03**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		101	120	117		
Dibromofluoromethane	75-125		100	112	121		
Toluene-d8	75-125		97.9	125	121		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.04**				
Client Sample I.D.			TtSG-1-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.04**				
Client Sample I.D.			TtSG-1-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.04**				
Client Sample I.D.			TtSG-1-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73290.04**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		118				
Dibromofluoromethane	75-125		123				
Toluene-d8	75-125		121				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			**73290.05**	**73290.06**			
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'			
Date Sampled			05/27/2014	05/27/2014			
Date Prepared			05/31/2014	05/31/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/31/2014	05/31/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			73290.05	73290.06			
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'			
Date Sampled			05/27/2014	05/27/2014			
Date Prepared			05/31/2014	05/31/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/31/2014	05/31/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	244	3.38J			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	4.88J	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			**73290.05**	**73290.06**			
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'			
Date Sampled			05/27/2014	05/27/2014			
Date Prepared			05/31/2014	05/31/2014			
Preparation Method			5035A	5035A			
Date Analyzed			05/31/2014	05/31/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			**73290.05**	**73290.06**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		98.5	123			
Dibromofluoromethane	75-125		107	117			
Toluene-d8	75-125		99.2	122			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.07**				
Client Sample I.D.			TtSG-2-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.07**				
Client Sample I.D.			TtSG-2-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	34.0				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	6.12J				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73290.07**				
Client Sample I.D.			TtSG-2-20'				
Date Sampled			05/27/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73290.07**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		119				
Dibromofluoromethane	75-125		108				
Toluene-d8	75-125		120				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			**73290.08**	**73290.09**	**73290.10**		
Client Sample I.D.			TtSG-4-5'	TtSG-4-15'	TtSG-4-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			73290.08	73290.09	73290.10		
Client Sample I.D.			TtSG-4-5'	TtSG-4-15'	TtSG-4-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	44.5	4.44J	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	1.65J	83.2	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1

Our Lab I.D.			**73290.08**	**73290.09**	**73290.10**		
Client Sample I.D.			TtSG-4-5'	TtSG-4-15'	TtSG-4-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/31/2014	05/31/2014	05/31/2014		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			**73290.08**	**73290.09**	**73290.10**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		101	123	122		
Dibromofluoromethane	75-125		112	112	109		
Toluene-d8	75-125		99.2	115	123		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1

Our Lab I.D.			Method Blank	**73290.01**			
Client Sample I.D.				TtSG-1-5'			
Date Sampled				05/27/2014			
Date Prepared			05/30/2014	05/30/2014			
Preparation Method			5030	5035A			
Date Analyzed			05/30/2014	05/30/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**73290.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		91.4	102			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1

Our Lab I.D.			Method Blank	**73290.02**	**73290.03**	**73290.04**	
Client Sample I.D.				TtSG-1-15'	TtSG-1-15'-D	TtSG-1-20'	
Date Sampled				05/27/2014	05/27/2014	05/27/2014	
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	0.170J	
Our Lab I.D.			Method Blank	**73290.02**	**73290.03**	**73290.04**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		89.2	80.0	77.6	86.2	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1

Our Lab I.D.			**73290.05**				
Client Sample I.D.			TtSG-2-5'				
Date Sampled			05/27/2014				
Date Prepared			05/30/2014				
Preparation Method			5035A				
Date Analyzed			05/30/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.119J				
Our Lab I.D.			**73290.05**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		95.2				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1

Our Lab I.D.			**73290.06**	**73290.07**			
Client Sample I.D.			TtSG-2-15'	TtSG-2-20'			
Date Sampled			05/27/2014	05/27/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			5035A	5035A			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	0.135J	0.188J			
Our Lab I.D.			**73290.06**	**73290.07**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		79.4	85.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1

Our Lab I.D.			**73290.08**	**73290.09**	**73290.10**		
Client Sample I.D.			TtSG-4-5'	TtSG-4-15'	TtSG-4-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/30/2014	05/30/2014	05/30/2014		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/31/2014	05/31/2014	05/31/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			**73290.08**	**73290.09**	**73290.10**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		94.4	106	76.2		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 25

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052914DB1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	**73290.04**
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	TtSG-1-20'
Date Sampled				05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	17.4
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	45.8	17.3	12.7	78.6
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	45.8	17.3	12.7	96.0
Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	**73290.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		117	120	118	118	109

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052914DB1

Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**	**73290.08**	**73290.09**
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'	TtSG-4-5'	TtSG-4-15'
Date Sampled			05/27/2014	05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	12.2	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	37.4	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	49.6	ND	ND	ND
Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**	**73290.08**	**73290.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		115	119	115	119	122

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052914DB1

Our Lab I.D.			**73290.10**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/27/2014				
Date Prepared			05/29/2014				
Preparation Method			3550B				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Diesel (C13-C22)	1.0	5.0	12.2				
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	23.7				
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	35.9				
Our Lab I.D.			**73290.10**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Chlorobenzene	75-125		120				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 28

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	
Date Sampled				05/27/2014	05/27/2014	05/27/2014	
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acenaphthene	0.25	0.50	ND	ND	ND	ND	
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	
Anthracene	0.25	0.50	ND	ND	ND	ND	
Azobenzene	0.25	0.50	ND	ND	ND	ND	
Benzidine	0.25	0.50	ND	ND	ND	ND	
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	
Chrysene	0.25	0.50	ND	ND	ND	ND	
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND	ND	
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	
Date Sampled				05/27/2014	05/27/2014	05/27/2014	
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	
Fluoranthene	0.25	0.50	ND	ND	ND	ND	
Fluorene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	
Isophorone	0.25	0.50	ND	ND	ND	ND	
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	
Naphthalene	0.25	0.50	ND	ND	ND	ND	
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	
Date Sampled				05/27/2014	05/27/2014	05/27/2014	
Date Prepared			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Phenanthrene	0.25	0.50	ND	ND	ND	ND	
Phenol	0.25	0.50	ND	ND	ND	ND	
Pyrene	0.25	0.50	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
2-Fluorophenol	25-121		63.6	55.6	32.6	38.2	
2-Fluorobiphenyl	30-115		74.4	67.6	62.8	69.2	
Nitrobenzene-d5	23-120		67.2	58.8	55.6	61.6	
Phenol-d6	21-113		64.8	53.0	36.2	42.2	
p-Terphenyl-D14	18-137		89.6	78.4	68.0	84.8	
2,4,6-Tribromophenol	19-122		64.6	61.8	20.8	22.6	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73290.04**			
Client Sample I.D.				TtSG-1-20'			
Date Sampled				05/27/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acenaphthene	0.25	0.50	ND	ND			
Acenaphthylene	0.25	0.50	ND	ND			
Anthracene	0.25	0.50	ND	ND			
Azobenzene	0.25	0.50	ND	ND			
Benzidine	0.25	0.50	ND	ND			
Benzo(a)anthracene	0.25	0.50	ND	ND			
Benzo(a)pyrene	0.25	0.50	ND	ND			
Benzo(b)fluoranthene	0.25	0.50	ND	ND			
Benzo(g,h,i)perylene	0.25	0.50	ND	ND			
Benzo(k)fluoranthene	0.25	0.50	ND	ND			
Benzoic Acid	0.25	0.50	ND	ND			
Benzyl Alcohol	0.25	0.50	ND	ND			
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND			
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND			
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND			
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND			
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND			
Butyl benzyl phthalate	0.25	0.50	ND	ND			
4-Chloro-3-methylphenol	0.25	0.50	ND	ND			
4-Chloroaniline	0.25	0.50	ND	ND			
2-Chloronaphthalene	0.25	0.50	ND	ND			
2-Chlorophenol	0.25	0.50	ND	ND			
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND			
Chrysene	0.25	0.50	ND	ND			
Di-n-butyl phthalate	0.25	0.50	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND			
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND			
Dibenzofuran	0.25	0.50	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73290.04**			
Client Sample I.D.				TtSG-1-20'			
Date Sampled				05/27/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			
Pentachlorophenol	0.25	0.50	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73290.04**			
Client Sample I.D.				TtSG-1-20'			
Date Sampled				05/27/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
Our Lab I.D.			Method Blank	**73290.04**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
2-Fluorophenol	25-121		69.0	34.2			
2-Fluorobiphenyl	30-115		78.8	64.4			
Nitrobenzene-d5	23-120		70.8	57.2			
Phenol-d6	21-113		67.4	39.0			
p-Terphenyl-D14	18-137		80.8	64.0			
2,4,6-Tribromophenol	19-122		62.0	19.6			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **34**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**		
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		
Dibenzofuran	0.25	0.50	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			73290.05	73290.06	73290.07		
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND		
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND		
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND		
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND		
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND		
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND		
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND		
Fluoranthene	0.25	0.50	ND	ND	ND		
Fluorene	0.25	0.50	ND	ND	ND		
Hexachlorobenzene	0.25	0.50	ND	ND	ND		
Hexachlorobutadiene	0.25	0.50	ND	ND	ND		
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND		
Hexachloroethane	0.25	0.50	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND		
Isophorone	0.25	0.50	ND	ND	ND		
2-Methylnaphthalene	0.25	0.50	ND	ND	ND		
4-Methylphenol	0.25	0.50	ND	ND	ND		
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND		
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND		
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND		
Naphthalene	0.25	0.50	ND	ND	ND		
2-Nitroaniline	0.25	0.50	ND	ND	ND		
3-Nitroaniline	0.25	0.50	ND	ND	ND		
4-Nitroaniline	0.25	0.50	ND	ND	ND		
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND		
4-Nitrophenol	0.25	0.50	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND		
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND		
Pentachlorophenol	0.25	0.50	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1

Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**		
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'		
Date Sampled			05/27/2014	05/27/2014	05/27/2014		
Date Prepared			05/28/2014	05/28/2014	05/28/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
2-Fluorophenol	25-121		53.8	34.4	51.2		
2-Fluorobiphenyl	30-115		63.6	70.0	73.6		
Nitrobenzene-d5	23-120		56.4	60.8	64.8		
Phenol-d6	21-113		53.6	40.8	53.8		
p-Terphenyl-D14	18-137		77.6	85.2	93.6		
2,4,6-Tribromophenol	19-122		63.0	21.2	48.2		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	**73290.04**
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	TtSG-1-20'
Date Sampled				05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	422	51.0	48.9	69.2
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	29.4	32.5	30.3	41.9
Cobalt	2.5	5.0	ND	4.80J	6.58	6.55	6.18
Copper	2.5	5.0	ND	28.5	22.9	24.0	34.3
Lead	2.5	5.0	ND	ND	ND	ND	2.79J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	4.95J	6.11	6.00	8.80
Nickel	2.5	5.0	ND	27.9	46.1	46.5	44.4
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	24.4	23.6	21.2	78.5
Zinc	2.5	5.0	ND	56.5	52.7	57.4	74.9

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1

Our Lab I.D.			73290.05	73290.06	73290.07	73290.08	73290.09
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'	TtSG-4-5'	TtSG-4-15'
Date Sampled			05/27/2014	05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	652	60.2	139	47.9	61.0
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	19.5	33.0	22.1	35.0	27.3
Cobalt	2.5	5.0	3.21J	7.67	4.93J	5.36	4.21J
Copper	2.5	5.0	16.3	35.4	16.4	36.1	28.0
Lead	2.5	5.0	ND	2.58J	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	3.19J	4.18J	ND	6.12
Nickel	2.5	5.0	28.8	51.6	29.9	64.6	15.7
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	37.0	27.1	17.0	40.7	20.5
Zinc	2.5	5.0	43.6	87.2	39.3	119	46.5

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 39

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1

Our Lab I.D.			**73290.10**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/27/2014				
Date Prepared			05/29/2014				
Preparation Method			3050B				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Antimony	1.0	5.0	ND				
Arsenic	1.0	5.0	ND				
Barium	2.5	5.0	49.2				
Beryllium	1.3	2.5	ND				
Cadmium	1.3	2.5	ND				
Chromium	2.5	5.0	29.8				
Cobalt	2.5	5.0	8.08				
Copper	2.5	5.0	32.1				
Lead	2.5	5.0	ND				
Mercury (By EPA 7471)	0.1	0.2	ND				
Molybdenum	2.5	5.0	3.48J				
Nickel	2.5	5.0	61.8				
Selenium	1.0	5.0	ND				
Silver	2.5	5.0	ND				
Thallium	1.0	5.0	ND				
Vanadium	2.5	5.0	20.7				
Zinc	2.5	5.0	87.2				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 40

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			Method Blank	**73290.01**	**73290.02**	**73290.03**	**73290.04**
Client Sample I.D.				TtSG-1-5'	TtSG-1-15'	TtSG-1-15'-D	TtSG-1-20'
Date Sampled				05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	0.706	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **41**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			**73290.05**	**73290.06**	**73290.07**	**73290.08**	**73290.09**
Client Sample I.D.			TtSG-2-5'	TtSG-2-15'	TtSG-2-20'	TtSG-4-5'	TtSG-4-15'
Date Sampled			05/27/2014	05/27/2014	05/27/2014	05/27/2014	05/27/2014
Date Prepared			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			05/29/2014	05/29/2014	05/29/2014	05/29/2014	05/29/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	0.598

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **42**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			**73290.10**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/27/2014				
Date Prepared			05/29/2014				
Preparation Method			3060A				
Date Analyzed			05/29/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Chromium (VI)	0.20	0.20	ND				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **43**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0604146A1

Our Lab I.D.			Method Blank	**73290.11**	**73290.12**		
Client Sample I.D.				EQB-6	TB-6		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			06/04/2014	06/04/2014	06/04/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			06/04/2014	06/04/2014	06/04/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0604146A1

Our Lab I.D.			Method Blank	**73290.11**	**73290.12**		
Client Sample I.D.				EQB-6	TB-6		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			06/04/2014	06/04/2014	06/04/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			06/04/2014	06/04/2014	06/04/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0604146A1

Our Lab I.D.			Method Blank	**73290.11**	**73290.12**		
Client Sample I.D.				EQB-6	TB-6		
Date Sampled				05/27/2014	05/27/2014		
Date Prepared			06/04/2014	06/04/2014	06/04/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			06/04/2014	06/04/2014	06/04/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73290.11**	**73290.12**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		99.8	99.0	98.5		
Dibromofluoromethane	75-125		95.4	96.3	95.0		
Toluene-d8	75-125		82.3	80.2	81.4		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 46

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030B	5030B			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73290.11**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		98.4	106			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **47**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052814DB1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			05/28/2014	05/28/2014			
Preparation Method			3510C	3510C			
Date Analyzed			05/29/2014	05/29/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73290.11**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		85.0	91.0			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 48

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acenaphthene	5	10	ND	ND			
Acenaphthylene	5	10	ND	ND			
Anthracene	5	10	ND	ND			
Azobenzene	5	10	ND	ND			
Benzidine	5	10	ND	ND			
Benzo(a)anthracene	5	10	ND	ND			
Benzo(a)pyrene	5	10	ND	ND			
Benzo(b)fluoranthene	5	10	ND	ND			
Benzo(g,h,i)perylene	5	10	ND	ND			
Benzo(k)fluoranthene	5	10	ND	ND			
Benzoic Acid	5	10	ND	ND			
Benzyl Alcohol	5	10	ND	ND			
Bis(2-Chloroethoxy)methane	5	10	ND	ND			
Bis(2-Chloroethyl)ether	5	10	ND	ND			
Bis(2-chloroisopropyl) ether	5	10	ND	ND			
Bis(2-ethylhexyl) phthalate	5	10	ND	ND			
4-Bromophenyl phenyl ether	5	10	ND	ND			
Butyl benzyl phthalate	5	10	ND	ND			
4-Chloro-3-methylphenol	5	10	ND	ND			
4-Chloroaniline	5	10	ND	ND			
2-Chloronaphthalene	5	10	ND	ND			
2-Chlorophenol	5	10	ND	ND			
4-Chlorophenyl phenyl ether	5	10	ND	ND			
Chrysene	5	10	ND	ND			
Di-n-butyl phthalate	5	10	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	5	10	ND	ND			
Dibenzo(a,h)anthracene	5	10	ND	ND			
Dibenzofuran	5	10	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2-Dichlorobenzene	5	10	ND	ND			
1,3-Dichlorobenzene	5	10	ND	ND			
1,4-Dichlorobenzene	5	10	ND	ND			
3,3'-Dichlorobenzidine	5	10	ND	ND			
2,4-Dichlorophenol	5	10	ND	ND			
Diethyl phthalate (Diethyl ester)	5	10	ND	ND			
Dimethyl phthalate (Dimethyl ester)	5	10	ND	ND			
2,4-Dimethylphenol	5	10	ND	ND			
4,6-Dinitro-2-methylphenol	5	10	ND	ND			
2,4-Dinitrophenol	5	10	ND	ND			
2,4-Dinitrotoluene	5	10	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	5	10	ND	ND			
1,2-Diphenylhydrazine	5	10	ND	ND			
Fluoranthene	5	10	ND	ND			
Fluorene	5	10	ND	ND			
Hexachlorobenzene	5	10	ND	ND			
Hexachlorobutadiene	5	10	ND	ND			
Hexachlorocyclopentadiene	5	10	ND	ND			
Hexachloroethane	5	10	ND	ND			
Indeno(1,2,3-cd)pyrene	5	10	ND	ND			
Isophorone	5	10	ND	ND			
2-Methylnaphthalene	5	10	ND	ND			
4-Methylphenol	5	10	ND	ND			
2-Methylphenol (2-Cresol)	5	10	ND	ND			
3-Methylphenol (3-Cresol)	5	10	ND	ND			
N-Nitroso-Di-n-propylamine	5	10	ND	ND			
Naphthalene	5	10	ND	ND			
2-Nitroaniline	5	10	ND	ND			
3-Nitroaniline	5	10	ND	ND			
4-Nitroaniline	5	10	ND	ND			
Nitrobenzene (NB)	5	10	ND	ND			
4-Nitrophenol	5	10	ND	ND			
2-Nitrophenol (o-Nitrophenol)	5	10	ND	ND			
N-Nitrosodimethylamine	5	10	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
N-nitrosodiphenylamine	5	10	ND	ND			
Pentachlorophenol	5	10	ND	ND			
Phenanthrene	5	10	ND	ND			
Phenol	5	10	ND	ND			
Pyrene	5	10	ND	ND			
1,2,4-Trichlorobenzene	5	10	ND	ND			
2,4,5-Trichlorophenol	5	10	ND	ND			
2,4,6-Trichlorophenol	5	10	ND	ND			
Our Lab I.D.			Method Blank	**73290.11**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
2-Fluorophenol	25-121		36.9	30.3			
2-Fluorobiphenyl	30-115		62.6	77.0			
Nitrobenzene-d5	23-120		65.5	77.2			
Phenol-d6	24-113		24.3	33.9			
p-Terphenyl-D14	18-137		79.3	87.2			
2,4,6-Tribromophenol	19-122		76.0	79.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **51**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			3005A	3005A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **52**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052814-1

Our Lab I.D.			Method Blank	**73290.11**			
Client Sample I.D.				EQB-6			
Date Sampled				05/27/2014			
Date Prepared			05/28/2014	05/28/2014			
Preparation Method			7199	7199			
Date Analyzed			05/28/2014	05/28/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **53**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Arsenic	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Barium	0.00	1.00	1.08	108	1.00	1.06	106	1.87	75-125	<15
Beryllium	0.00	1.00	1.10	110	1.00	1.09	109	<1	75-125	<15
Cadmium	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Chromium	0.00	1.00	1.05	105	1.00	1.04	104	<1	75-125	<15
Cobalt	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15
Copper	0.00	1.00	1.04	104	1.00	1.03	103	<1	75-125	<15
Lead	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.0100	100	0.0100	0.0100	100	<1	75-125	<15
Molybdenum	0.00	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15
Nickel	0.00	1.00	1.07	107	1.00	1.06	106	<1	75-125	<15
Selenium	0.00	1.00	1.09	109	1.00	1.11	111	1.82	75-125	<15
Silver	0.00	1.00	0.150M	14.7	1.00	0.140M	14.3	2.76	75-125	<15
Thallium	0.00	1.00	1.13	113	1.00	1.11	111	1.79	75-125	<15
Vanadium	0.00	1.00	1.05	105	1.00	1.03	103	1.92	75-125	<15
Zinc	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Arsenic	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Barium	1.00	1.00	99.6	1.00	1.00	100	<1	75-125	<15	
Beryllium	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15	
Cadmium	1.00	0.980	98.4	1.00	0.990	99.4	1.01	75-125	<15	
Chromium	1.00	0.990	98.5	1.00	0.990	99.1	<1	75-125	<15	
Cobalt	1.00	0.960	96.1	1.00	0.970	96.9	<1	75-125	<15	
Copper	1.00	0.970	97.1	1.00	0.980	97.9	<1	75-125	<15	
Lead	1.00	0.960	95.6	1.00	0.960	95.8	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.0100	100	0.0100	0.0101	101	<1	75-125	<15	
Molybdenum	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Nickel	1.00	0.960	95.6	1.00	0.960	96.2	<1	75-125	<15	
Selenium	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15	
Silver	1.00	0.950	95.1	1.00	0.960	95.7	<1	75-125	<15	
Thallium	1.00	1.00	99.6	1.00	1.01	101	1.40	75-125	<15	
Vanadium	1.00	1.00	100	1.00	1.01	101	<1	75-125	<15	
Zinc	1.00	1.00	99.8	1.00	1.01	101	1.20	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **55**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052814-1; Dup or Spiked Sample: 73290.01; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	1.00	0.538M	53.8	1.00	0.554M	55.4	2.9	85-115	<20

QC Batch No: 052814-1; Dup or Spiked Sample: 73290.01; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/28/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	1.12	112	1.00	1.11	111	<1	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **56**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0604146A1; Dup or Spiked Sample: B0604146A1; LCS: Clean Water; QC Prepared: 06/04/2014;MS Analyzed: 06/05/2014; LCS Analyzed: 06/04/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	57.0	114	50.0	55.0	110	3.57	75-125	<20
Chlorobenzene	0.00	50.0	48.5	97.0	50.0	47.5	95.0	2.08	75-125	<20
1,1-Dichloroethene	0.00	50.0	54.0	108	50.0	55.0	110	1.83	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	50.5	101	50.0	49.4	98.8	2.20	75-125	<20
Trichloroethene	0.00	50.0	61.0	122	50.0	62.0	124	1.63	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.4	92.7	50.0	45.5	90.9	1.94	75-125	<20
Dibromofluoromethane	0.00	50.0	44.0	87.9	50.0	45.0	90.0	2.39	75-125	<20
Toluene-d8	0.00	50.0	38.5	76.9	50.0	39.0	77.9	1.30	75-125	<20

QC Batch No: 0604146A1; Dup or Spiked Sample: B0604146A1; LCS: Clean Water; QC Prepared: 06/04/2014;MS Analyzed: 06/05/2014; LCS Analyzed: 06/04/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	57.8	116	50.0	57.4	115	<1	75-125	<20	
Chlorobenzene	50.0	52.8	106	50.0	53.0	106	<1	75-125	<20	
1,1-Dichloroethene	50.0	58.7	117	50.0	56.5	113	3.48	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	52.7	105	50.0	57.8	116	9.95	75-125	<20	
Toluene (Methyl benzene)	50.0	54.3	109	50.0	54.0	108	<1	75-125	<20	
Trichloroethene	50.0	57.8	116	50.0	56.7	113	2.62	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.6	113	50.0	57.7	115	1.75	75-125	<20	
Ethylbenzene	50.0	56.1	112	50.0	55.4	111	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	60.8	122	50.0	62.7	125	2.43	75-125	<20	
o-Xylene	50.0	52.8	106	50.0	52.1	104	1.90	75-125	<20	
m,p-Xylenes	100	107	107	100	105	105	1.89	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.4	92.9	50.0	48.2	96.4	3.77	75-125	<20	
Dibromofluoromethane	50.0	42.5	84.9	50.0	44.4	88.8	4.59	75-125	<20	
Toluene-d8	50.0	39.0	78.1	50.0	39.2	78.4	<1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **57**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	100	94.2	94.2	100	89.2	89.2	5.5	46-118	<20
4-Chloro-3-methylphenol	0.00	200	174	87.0	200	161	80.5	7.8	39-98	<20
2-Chlorophenol	0.00	200	161	80.5	200	153	76.5	5.1	27-123	<20
1,4-Dichlorobenzene	0.00	100	78.6	78.6	100	73.7	73.7	6.4	36-97	<20
2,4-Dinitrotoluene	0.00	100	91.1	91.1	100	88.2	88.2	3.2	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	100	96.4	96.4	100	89.4	89.4	7.5	41-116	<20
4-Nitrophenol	0.00	200	62.2	31.1	200	58.8	29.4	5.6	10-80	<20
Pentachlorophenol	0.00	200	163	81.5	200	154	77.0	5.7	40-125	<20
Phenol	0.00	200	77.6	38.8	200	74.0	37.0	4.7	12-98	<20
Pyrene	0.00	100	93.3	93.3	100	87.6	87.6	6.3	26-127	<20
1,2,4-Trichlorobenzene	0.00	100	82.5	82.5	100	75.6	75.6	8.7	39-98	<20
Surrogates										
2-Fluorophenol	0.00	200	111	55.5	200	104	52.0	6.5	25-121	<20
2-Fluorobiphenyl	0.00	100	80.2	80.2	100	73.7	73.7	8.4	30-115	<20
Nitrobenzene-d5	0.00	100	82.0	82.0	100	75.7	75.7	8.0	23-120	<20
p-Terphenyl-D14	0.00	100	84.8	84.8	100	80.3	80.3	5.5	18-137	<20
Phenol-d6	0.00	200	71.2	35.6	200	68.4	34.2	4.0	24-113	<20
2,4,6-Tribromophenol	0.00	200	184	92.0	200	166	83.0	10.3	19-122	<20

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	100	95.7	95.7	46-118						
4-Chloro-3-methylphenol	200	167	83.5	39-98						
2-Chlorophenol	200	155	77.5	27-123						
1,4-Dichlorobenzene	100	78.7	78.7	36-97						
2,4-Dinitrotoluene	100	91.3	91.3	24-96						
N-Nitroso-Di-n-propylamine	100	92.6	92.6	41-116						
4-Nitrophenol	200	60.4	30.2	10-80						
Pentachlorophenol	200	156	78.0	40-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	200	75.0	37.5	12-98						
Pyrene	100	95.9	95.9	26-127						
1,2,4-Trichlorobenzene	100	82.8	82.8	39-98						
Surrogates										
2-Fluorophenol	200	96.8	48.4	25-121						
2-Fluorobiphenyl	100	70.2	70.2	30-115						
Nitrobenzene-d5	100	70.7	70.7	23-120						
p-Terphenyl-D14	100	78.4	78.4	18-137						
Phenol-d6	200	65.8	32.9	24-113						
2,4,6-Tribromophenol	200	156	78.0	19-122						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 59

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052814DB1; Dup or Spiked Sample: 73276.02; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	4.66	5.00	10.4	115	5.00	10.2	111	3.54	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.88	94.0	2.00	1.71	85.5	9.04	60-125	<20

QC Batch No: 052814DB1; Dup or Spiked Sample: 73276.02; LCS: Clean Water; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	5.00	5.33	107	5.00	5.29	106	<1	75-125	<20	
Surrogates										
Chlorobenzene	2.00	1.91	95.5	2.00	1.90	95.0	<1	60-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 60

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1; Dup or Spiked Sample: B060214NB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.480	96.6	0.500	0.460	91.8	5.10	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0496	99.2	0.0500	0.0456	91.2	8.06	75-125	<20

QC Batch No: 060214NB1; Dup or Spiked Sample: B060214NB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.470	93.4	0.500	0.450	90.4	3.26	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0492	98.4	0.0500	0.0482	96.4	2.03	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **61**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	44.5	89.0	50.0	44.5	89.0	<1	75-125	<15
Arsenic	0.00	50.0	46.9	93.8	50.0	47.1	94.2	<1	75-125	<15
Barium	374	50.0	312 M	-124.0	50.0	316 M	-116.0	6.67	75-125	<15
Beryllium	0.00	50.0	44.8	89.6	50.0	44.7	89.4	<1	75-125	<15
Cadmium	0.00	50.0	42.9	85.8	50.0	43.2	86.4	<1	75-125	<15
Chromium	31.6	50.0	76.5	89.8	50.0	77.1	91.0	1.33	75-125	<15
Cobalt	6.94	50.0	47.2	80.5	50.0	48.2	82.5	2.45	75-125	<15
Copper	22.6	50.0	69.8	94.4	50.0	70.0	94.8	<1	75-125	<15
Lead	0.00	50.0	41.0	82.0	50.0	41.8	83.6	1.93	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.419	83.8	0.500	0.428	85.6	2.1	75-125	<15
Molybdenum	3.94	50.0	46.8	85.7	50.0	48.1	88.3	2.99	75-125	<15
Nickel	34.5	50.0	75.5	82.0	50.0	76.3	83.6	1.93	75-125	<15
Selenium	0.00	50.0	39.7	79.4	50.0	38.6	77.2	2.81	75-125	<15
Silver	0.00	50.0	44.5	89.0	50.0	44.7	89.4	<1	75-125	<15
Thallium	0.00	50.0	36.8 M	73.6	50.0	37.6	75.2	2.15	75-125	<15
Vanadium	21.7	50.0	67.3	91.2	50.0	68.1	92.8	1.74	75-125	<15
Zinc	60.4	50.0	102	83.2	50.0	102	83.2	<1	75-125	<15

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	47.0	94.0	50.0	47.8	95.6	1.69	75-125	<15	
Arsenic	50.0	46.6	93.2	50.0	46.6	93.2	<1	75-125	<15	
Barium	50.0	47.8	95.6	50.0	49.4	98.8	3.29	75-125	<15	
Beryllium	50.0	50.2	100	50.0	50.2	100	<1	75-125	<15	
Cadmium	50.0	46.6	93.2	50.0	47.8	95.6	2.54	75-125	<15	
Chromium	50.0	48.9	97.8	50.0	50.2	100	2.22	75-125	<15	
Cobalt	50.0	48.9	97.8	50.0	50.0	100	2.22	75-125	<15	
Copper	50.0	51.2	102	50.0	52.1	104	1.94	75-125	<15	
Lead	50.0	46.3	92.6	50.0	47.5	95.0	2.56	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C1; Dup or Spiked Sample: 73272.01; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.488	97.5	0.500	0.479	95.8	1.8	75-125	<15	
Molybdenum	50.0	49.0	98.0	50.0	50.3	101	3.02	75-125	<15	
Nickel	50.0	48.0	96.0	50.0	49.3	98.6	2.67	75-125	<15	
Selenium	50.0	45.7	91.4	50.0	45.2	90.4	1.10	75-125	<15	
Silver	50.0	46.4	92.8	50.0	47.3	94.6	1.92	75-125	<15	
Thallium	50.0	49.8	99.6	50.0	50.9	102	2.38	75-125	<15	
Vanadium	50.0	49.2	98.4	50.0	50.6	101	2.61	75-125	<15	
Zinc	50.0	46.4	92.8	50.0	46.9	93.8	1.07	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 63

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1; Dup or Spiked Sample: 73272.02; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.300	120	0.250	0.290	116	3.4	75-125	<20

QC Batch No: 052914-1; Dup or Spiked Sample: 73272.02; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.275	110	0.250	0.293	117	6.2	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **64**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A1; Dup or Spiked Sample: 73290.01; LCS: Clean Sand; QC Prepared: 05/31/2014; QC Analyzed: 05/31/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	46.0	92.0	50.0	48.6	97.2	5.50	75-125	<20
Chlorobenzene	0.00	50.0	41.6	83.2	50.0	39.5	79.0	5.18	75-125	<20
1,1-Dichloroethene	0.00	50.0	44.3	88.6	50.0	47.0	94.0	5.91	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	58.5	117	50.0	60.0	120	2.53	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	44.2	88.4	50.0	44.1	88.2	<1	75-125	<20
Trichloroethene	0.00	50.0	49.1	98.2	50.0	50.0	100	1.82	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	58.0	116	50.0	52.0	104	10.3	75-125	<20
Dibromofluoromethane	0.00	50.0	47.7	95.3	50.0	48.4	96.8	1.57	75-125	<20
Toluene-d8	0.00	50.0	47.7	95.4	50.0	47.1	94.2	1.26	75-125	<20

QC Batch No: 0531142A1; Dup or Spiked Sample: 73290.01; LCS: Clean Sand; QC Prepared: 05/31/2014; QC Analyzed: 05/31/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	40.6	81.2	50.0	48.4	96.8	17.5	75-125	<20	
Chlorobenzene	50.0	39.0	78.1	50.0	43.1	86.2	9.86	75-125	<20	
1,1-Dichloroethene	50.0	41.2	82.4	50.0	47.0	94.0	13.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	45.4	90.8	50.0	47.8	96.0	5.57	75-125	<20	
Toluene (Methyl benzene)	50.0	38.8	77.6	50.0	45.1	90.2	15.0	75-125	<20	
Trichloroethene	50.0	43.3	86.5	50.0	52.2	104	18.4	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	49.1	98.2	50.0	49.4	98.8	<1	75-125	<20	
Ethylbenzene	50.0	50.1	100	50.0	43.5	87.0	13.9	75-125	<20	
1,1,1-Trichloroethane	50.0	45.1	90.2	50.0	54.2	108	18.0	75-125	<20	
o-Xylene	50.0	44.1	88.2	50.0	43.8	87.6	<1	75-125	<20	
m,p-Xylenes	100	80.1	80.1	100	84.8	84.8	5.70	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.2	98.5	50.0	49.4	98.7	<1	75-125	<20	
Dibromofluoromethane	50.0	44.8	89.5	50.0	46.2	92.4	3.24	75-125	<20	
Toluene-d8	50.0	47.0	94.0	50.0	47.4	94.7	<1	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 65

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1; Dup or Spiked Sample: B0602142A1; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20
Chlorobenzene	0.00	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	62.0	124	50.0	61.0	122	1.63	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	54.5	109	50.0	56.5	113	3.60	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	53.5	107	50.0	54.0	108	<1	75-125	<20
Trichloroethene	0.00	50.0	62.5	125	50.0	62.5	125	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.7	93.4	50.0	48.1	96.1	2.89	75-125	<20
Dibromofluoromethane	0.00	50.0	46.6	93.1	50.0	46.6	93.1	<1	75-125	<20
Toluene-d8	0.00	50.0	45.0	89.9	50.0	47.1	94.1	4.67	75-125	<20

QC Batch No: 0602142A1; Dup or Spiked Sample: B0602142A1; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	57.2	114	50.0	58.8	118	3.45	75-125	<20	
Chlorobenzene	50.0	59.9	120	50.0	60.0	120	<1	75-125	<20	
1,1-Dichloroethene	50.0	52.7	105	50.0	56.9	114	8.22	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.0	116	50.0	59.4	119	2.55	75-125	<20	
Toluene (Methyl benzene)	50.0	56.5	113	50.0	57.2	114	<1	75-125	<20	
Trichloroethene	50.0	61.8	124	50.0	62.3	125	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	62.4	125	50.0	58.1	116	7.47	75-125	<20	
Ethylbenzene	50.0	56.3	113	50.0	56.9	114	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	61.2	122	50.0	62.3	125	2.43	75-125	<20	
o-Xylene	50.0	59.2	118	50.0	58.3	117	<1	75-125	<20	
m,p-Xylenes	100	113	113	100	114	114	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	45.5	90.9	50.0	45.0	90.0	<1	75-125	<20	
Dibromofluoromethane	50.0	44.7	89.3	50.0	44.1	88.2	1.23	75-125	<20	
Toluene-d8	50.0	44.2	88.4	50.0	43.5	87.0	1.58	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 66

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.91	76.4	2.50	1.99	79.6	4.1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.44	68.8	5.00	3.62	72.4	5.1	39-98	<20
2-Chlorophenol	0.00	5.00	3.44	68.8	5.00	3.54	70.8	2.9	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.83	73.2	2.50	1.90	76.0	3.8	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.67	66.8	2.50	1.71	68.4	2.4	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	1.81	72.4	2.50	2.00	80.0	10.0	41-116	<20
4-Nitrophenol	0.00	5.00	2.19	43.8	5.00	1.92	38.4	13.1	10-110	<20
Pentachlorophenol	0.00	5.00	2.05	41.0	5.00	2.14	42.8	4.3	40-125	<20
Phenol	0.00	5.00	3.26	65.2	5.00	3.46	69.2	6.0	12-89	<20
Pyrene	0.00	5.00	2.21	44.2	5.00	2.45	49.0	10.3	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.78	71.2	2.50	1.84	73.6	3.3	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	3.09	61.8	5.00	3.15	63.0	1.9	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.66	66.4	2.50	1.68	67.2	1.2	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.60	64.0	2.50	1.62	64.8	1.2	23-120	<20
p-Terphenyl-D14	0.00	2.50	1.84	73.6	2.50	2.01	80.4	8.8	18-137	<20
Phenol-d6	0.00	5.00	3.03	60.6	5.00	3.16	63.2	4.2	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	2.97	59.4	5.00	3.11	62.2	4.6	19-122	<20

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	2.50	2.25	90.0	31-137						
4-Chloro-3-methylphenol	5.00	4.12	82.4	40-99						
2-Chlorophenol	5.00	3.65	73.0	25-102						
1,4-Dichlorobenzene	2.50	1.89	75.6	28-104						
2,4-Dinitrotoluene	2.50	2.21	88.4	28-89						
N-Nitroso-Di-n-propylamine	2.50	2.30	92.0	41-126						
4-Nitrophenol	5.00	2.78	55.6	11-114						
Pentachlorophenol	5.00	2.48	49.6	17-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 052814JB1; Dup or Spiked Sample: 73272.03; LCS: Clean Sand; QC Prepared: 05/28/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	5.00	3.63	72.6	26-90						
Pyrene	5.00	2.83	56.6	35-142						
1,2,4-Trichlorobenzene	2.50	1.94	77.6	38-107						
Surrogates										
2-Fluorophenol	5.00	3.25	65.0	25-121						
2-Fluorobiphenyl	2.50	1.97	78.8	30-115						
Nitrobenzene-d5	2.50	1.80	72.0	23-120						
p-Terphenyl-D14	2.50	2.39	95.6	18-137						
Phenol-d6	5.00	3.40	68.0	24-113						
2,4,6-Tribromophenol	5.00	3.82	76.4	19-122						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 68

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1; LCS: Clean Sand; LCS Prepared: 06/03/2014; LCS Analyzed: 06/04/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Acenaphthene	2.50	2.14	85.6	2.50	2.25	90.0	5.0	31-137	<20	
4-Chloro-3-methylphenol	5.00	3.78	75.6	5.00	4.01	80.2	5.9	40-99	<20	
2-Chlorophenol	5.00	3.70	74.0	5.00	4.02	80.4	8.3	25-102	<20	
1,4-Dichlorobenzene	2.50	2.00	80.0	2.50	2.07	82.8	3.4	28-104	<20	
2,4-Dinitrotoluene	2.50	2.05	82.0	2.50	2.00	80.0	2.5	28-89	<20	
N-Nitroso-Di-n-propylamine	2.50	2.14	85.6	2.50	2.24	89.6	4.6	41-126	<20	
4-Nitrophenol	5.00	3.02	60.4	5.00	2.66	53.2	12.7	11-114	<20	
Pentachlorophenol	5.00	2.72	54.4	5.00	2.63	52.6	3.4	17-125	<20	
Phenol	5.00	3.64	72.8	5.00	3.96	79.2	8.4	26-90	<20	
Pyrene	5.00	2.30	46.0	5.00	2.04	40.8	12.0	35-142	<20	
1,2,4-Trichlorobenzene	2.50	1.89	75.6	2.50	2.06	82.4	8.6	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.35	67.0	5.00	3.72	74.4	10.5	25-121	<20	
2-Fluorobiphenyl	2.50	1.93	77.2	2.50	1.99	79.6	3.1	30-115	<20	
Nitrobenzene-d5	2.50	1.73	69.2	2.50	1.88	75.2	8.3	23-120	<20	
p-Terphenyl-D14	2.50	2.00	80.0	2.50	1.78	71.2	11.6	18-137	<20	
Phenol-d6	5.00	3.41	68.2	5.00	3.72	74.4	8.7	24-113	<20	
2,4,6-Tribromophenol	5.00	3.44	68.8	5.00	3.64	72.8	5.6	19-122	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 69

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 052914DB1; Dup or Spiked Sample: 73290.08; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	530	106	500	531	106	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	114	114	100	114	114	<1	75-125	<20

QC Batch No: 052914DB1; Dup or Spiked Sample: 73290.08; LCS: Clean Sand; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	524	105	500	533	107	1.89	75-125	<20	
Surrogates										
Chlorobenzene	100	113	113	100	114	114	<1	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 70

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1; Dup or Spiked Sample: 73290.01HGA; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.830	82.7	1.00	0.240M	23.5	111	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0467	93.4	0.0500	0.0486	97.2	4.07	75-125	<20

QC Batch No: 053014NB1; Dup or Spiked Sample: 73290.01HGA; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.910	91.0	1.00	0.940	94.2	3.46	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0443	88.6	0.0500	0.0466	93.2	5.19	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **71**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73290	05/27/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1; Dup or Spiked Sample: B060314NB1; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.830	83.0	1.00	0.880	88.0	5.85	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0541	108	0.0500	0.0511	102	5.56	75-125	<20

QC Batch No: 060314NB1; Dup or Spiked Sample: B060314NB1; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.840	83.8	1.00	0.910	91.1	8.35	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0481	96.2	0.0500	0.0499	99.8	3.74	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 70
Date Received 05/28/2014
Date Reported 06/09/2014

Job Number	Order Date	Client
73304	05/28/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 2 water and 16 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 84153

AETL JOB No. 73304

COMPANY: Tetra tech
PROJECT MANAGER: Salar Niky
COMPANY ADDRESS: 3475 E Foothill Blvd, Pasadena, CA
PHONE:
FAX:
PROJECT NAME: Calabasas, Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura blvd Calabasas, CA
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TITLE 22 METALS (6010B/7471A)	CrVI (7199)	TPHg (8015g)	TPHd (8015B)	VOCs (8260B)	SVOCs (8270C)				TEST INSTRUCTIONS & COMMENTS
1	TtSG-3-20'	73304.01	5-28-14	0850	SOIL	1x6 IN SS RING 4x40ML VOA	ICED	X	X	X	X	X	X				
2	TtSG-4-5'	73304.02	5-28-14	1014	SOIL	"		X	X	X	X	X	X				
3	TtSB-1-5'	73304.03	5-28-14	1025	SOIL	~~4x40ML VOA~~ 1x GLASS JAR		X	X	X	X	X					
4	TtSG-4-15'	73304.04	5-28-14	1035	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
5	TtSG-4-15'D	73304.05	5-28-14	1035	SOIL	4x40ML VOA		X	X	X	X	X	X				Duplicate
6	TtSG-4-20'	73304.06	5-28-14	1041	SOIL	1x6 IN SS RING 8x40ML VOA		X	X	X	X	X	X				QC Sample
7	TtSB-5-5'	73304.07	5-28-14	1204	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
8	TtSB-5-15'	73304.08	5-28-14	1216	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
9	TtSB-5-20'	73304.09	5-28-14	1220	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
10	TtSB-6-5'	73304.10	5-28-14	1322	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
11	TtSB-6-15'	73304.11	5-28-14	1328	SOIL	1x6 IN SS RING 4x40ML VOA		X	X	X	X	X	X				
12	TtSB-6-20'	73304.12	5-28-14	1332	SOIL	1x6 IN SS RING 4x40ML VOA		X									
13	TtSB-8-5'	73304.13	5-28-14		SOIL	1x6 in SS RING 4x40ml VOA		X									
14	TtSB-8-15'	73304.14	5-28-14		SOIL	1x6 in SS RING 4x40ml VOA		X									
15	TtSB-8-25'	73304.15	5-28-14		SOIL	1x6 in SS RING 4x40ml VOA		X									

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	78	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: S. Bakalkanian	Printed Name:	Printed Name: Z. Pamilian
Date: 5/28/14 Time: 1555	Date: Time:	Date: 5/28/14 Time: 1735
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:	Signature:	Signature:
Printed Name: Hanian Pamilian	Printed Name:	Printed Name: Luz Glaude
Date: 5/28/14 Time: 1555	Date: Time:	Date: 05/28/14 Time: 1735

TURN AROUND TIME: ☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED: ☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86030

AETL JOB No. 73304

COMPANY: Tetra tech
PROJECT MANAGER: Salar Niky
COMPANY ADDRESS: 3475 E. Foothill Blvd, Pasadena, CA
PHONE:
FAX:
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura Blvd, Calabasas, CA
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals (6010B/7471A)	CrVI (7199)	TPH-G (8015G)	TPH-D (8015D)	VOCs (8260B)	SVOCs (8270C)					TEST INSTRUCTIONS & COMMENTS
1	~~FSB-1~~																	* Added by client 5/29/2014 Chris
2	~~[illegible]~~																	
3	EQ-7	73304.16	5-28-14		WATER	5x40ml VOA	ICED			X		X						
4	EQ-7	↓	5-28-14		WATER	2x250 Poly	ICED	X	X									
5	EQ-7	↓	5-28-14		WATER	2x1Litre Amber	ICED				X		X					
6	Trip Blank	73304.17	5-28-14		WATER	2x40ml VOA	ICED					X						
7																		
8	TEHA-2-3	73304.18	5-28-14		Soil	1x4 oz Jar	ICED	*	*	*	*	*	*					
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	12	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☐ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: S. Babakhanian	Printed Name:	Printed Name: L. Ramirez
Date: 5/28/14 Time: 1555	Date: Time:	Date: 5/28/14 Time: 1735
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name: Ramirez	Printed Name:	Printed Name: Leah Claude
Date: 5/28/14 Time: 1555	Date: Time:	Date: 05/28/14 Time: 1735

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/28/2014
Date Reported 06/09/2014

Job Number	Order Date	Client
73304	05/28/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 18 samples with the following specification on 05/28/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73304.16	EQB-7	05/28/2014	Aqueous	9

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	06/04/2014	2	Normal	mg/L
7199	06/04/2014	2	Normal	ug/L
8260B	06/04/2014	2	Normal	ug/L
8270C	06/04/2014	2	Normal	ug/L
M8015D ^ C13-C40	06/04/2014	2	Normal	mg/L
M8015G	06/04/2014	2	Normal	mg/L

73304.17	TB-7	05/28/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	06/04/2014	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73304.01	TtSG-3-20'	05/28/2014	Soil	5
73304.02	TtSG-4-5'	05/28/2014	Soil	5
73304.04	TtSG-4-15'	05/28/2014	Soil	5
73304.05	TtSG-4-15'D	05/28/2014	Soil	4
73304.06	TtSG-4-20'	05/28/2014	Soil	9
73304.07	TtSB-5-5'	05/28/2014	Soil	5
73304.08	TtSB-5-15'	05/28/2014	Soil	5
73304.09	TtSB-5-20'	05/28/2014	Soil	5
73304.10	TtSB-6-5'	05/28/2014	Soil	5
73304.11	TtSB-6-15'	05/28/2014	Soil	5
73304.18	TtHA-2-3'	05/28/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/04/2014	2	Normal	mg/Kg
(7199)	06/04/2014	2	Normal	mg/Kg
(8260B)	06/04/2014	2	Normal	ug/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/28/2014
Date Reported 06/09/2014

Job Number	Order Date	Client
73304	05/28/2014	T/T

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

73304.18	TtHA-2-3'	05/28/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(8270C)	06/04/2014	2	Normal	mg/Kg
(M8015D) ^ C13-C40	06/04/2014	2	Normal	mg/Kg
(M8015G)	06/04/2014	2	Normal	mg/Kg

73304.03	TtSB-1-5'	05/28/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/04/2014	2	Normal	mg/Kg
(7199)	06/04/2014	2	Normal	mg/Kg
(8260B)	06/04/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	06/04/2014	2	Normal	mg/Kg
(M8015G)	06/04/2014	2	Normal	mg/Kg

73304.12	TtSB-6-20'	05/28/2014	Soil	5
73304.13	TtSB-8-5'	05/28/2014	Soil	5
73304.14	TtSB-8-15'	05/28/2014	Soil	5
73304.15	TtSB-8-25'	05/28/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	06/04/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	
Date Sampled				05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	7.80J	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	
Date Sampled				05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	4.12J	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	
Date Sampled				05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	2.06J	ND	
Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		100	119	104	99.9	
Dibromofluoromethane	75-125		102	115	112	103	
Toluene-d8	75-125		97.6	125	97.3	93.7	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73304.04**	**73304.05**		
Client Sample I.D.				TtSG-4-15'	TtSG-4-15'D		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			06/02/2014	06/02/2014	06/02/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			06/02/2014	06/02/2014	06/02/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73304.04**	**73304.05**		
Client Sample I.D.				TtSG-4-15'	TtSG-4-15'D		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			06/02/2014	06/02/2014	06/02/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			06/02/2014	06/02/2014	06/02/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	2.22J	5.59J		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	2.54J	9.37		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			Method Blank	**73304.04**	**73304.05**		
Client Sample I.D.				TtSG-4-15'	TtSG-4-15'D		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			06/02/2014	06/02/2014	06/02/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			06/02/2014	06/02/2014	06/02/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73304.04**	**73304.05**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		97.0	97.5	90.8		
Dibromofluoromethane	75-125		90.1	98.2	96.0		
Toluene-d8	75-125		92.9	97.5	96.9		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			**73304.06**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/28/2014				
Date Prepared			05/31/2014				
Preparation Method			5035A				
Date Analyzed			06/01/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	1.54J				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			**73304.06**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/28/2014				
Date Prepared			05/31/2014				
Preparation Method			5035A				
Date Analyzed			06/01/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	1.09J				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	3.33J				
Toluene (Methyl benzene)	1.0	10.0	1.54J				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	321				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			**73304.06**				
Client Sample I.D.			TtSG-4-20'				
Date Sampled			05/28/2014				
Date Prepared			05/31/2014				
Preparation Method			5035A				
Date Analyzed			06/01/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73304.06**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		118				
Dibromofluoromethane	75-125		98.1				
Toluene-d8	75-125		110				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73304.07**				
Client Sample I.D.			TtSB-5-5'				
Date Sampled			05/28/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73304.07**				
Client Sample I.D.			TtSB-5-5'				
Date Sampled			05/28/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1

Our Lab I.D.			**73304.07**				
Client Sample I.D.			TtSB-5-5'				
Date Sampled			05/28/2014				
Date Prepared			06/02/2014				
Preparation Method			5035A				
Date Analyzed			06/02/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**73304.07**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		108				
Dibromofluoromethane	75-125		96.9				
Toluene-d8	75-125		101				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			**73304.08**	**73304.09**	**73304.10**	**73304.11**	
Client Sample I.D.			TtSB-5-15'	TtSB-5-20'	TtSB-6-5'	TtSB-6-15'	
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			06/01/2014	06/01/2014	06/01/2014	06/01/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	3.66J	ND	ND	1.57J	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			73304.08	73304.09	73304.10	73304.11	
Client Sample I.D.			TtSB-5-15'	TtSB-5-20'	TtSB-6-5'	TtSB-6-15'	
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			06/01/2014	06/01/2014	06/01/2014	06/01/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	1.06J	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	2.19J	ND	ND	1.28J	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2

Our Lab I.D.			**73304.08**	**73304.09**	**73304.10**	**73304.11**	
Client Sample I.D.			TtSB-5-15'	TtSB-5-20'	TtSB-6-5'	TtSB-6-15'	
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Preparation Method			5035A	5035A	5035A	5035A	
Date Analyzed			06/01/2014	06/01/2014	06/01/2014	06/01/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			**73304.08**	**73304.09**	**73304.10**	**73304.11**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		117	111	102	115	
Dibromofluoromethane	75-125		110	106	112	108	
Toluene-d8	75-125		101	98.2	97.0	105	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0603142A1

Our Lab I.D.			Method Blank	**73304.18**			
Client Sample I.D.				TtHA-2-3'			
Date Sampled				05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0603142A1

Our Lab I.D.			Method Blank	**73304.18**			
Client Sample I.D.				TtHA-2-3'			
Date Sampled				05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0603142A1

Our Lab I.D.			Method Blank	**73304.18**			
Client Sample I.D.				TtHA-2-3'			
Date Sampled				05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			5030	5035A			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**73304.18**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		102	95.7			
Dibromofluoromethane	75-125		101	95.3			
Toluene-d8	75-125		92.6	93.8			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB2

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	
Date Sampled				05/28/2014	05/28/2014	05/28/2014	
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		103	79.8	100	89.6	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1

Our Lab I.D.			Method Blank	**73304.04**	**73304.05**	**73304.06**	
Client Sample I.D.				TtSG-4-15'	TtSG-4-15'D	TtSG-4-20'	
Date Sampled				05/28/2014	05/28/2014	05/28/2014	
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	
Preparation Method			5030	5030	5030	5030	
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**73304.04**	**73304.05**	**73304.06**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		89.2	86.4	89.0	78.6	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB2

Our Lab I.D.			**73304.07**	**73304.08**	**73304.09**	**73304.10**	**73304.11**
Client Sample I.D.			TtSB-5-5'	TtSB-5-15'	TtSB-5-20'	TtSB-6-5'	TtSB-6-15'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/31/2014	05/31/2014	05/31/2014	05/31/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			**73304.07**	**73304.08**	**73304.09**	**73304.10**	**73304.11**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		89.0	92.8	113	96.8	94.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1

Our Lab I.D.			**73304.18**				
Client Sample I.D.			TtHA-2-3'				
Date Sampled			05/28/2014				
Date Prepared			06/03/2014				
Preparation Method			5030				
Date Analyzed			06/03/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND				
Our Lab I.D.			**73304.18**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		87.8				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	**73304.04**
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	TtSG-4-15'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	**73304.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		97.5	99.9	98.3	97.7	99.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **25**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1

Our Lab I.D.			**73304.05**	**73304.06**	**73304.07**	**73304.08**	**73304.09**
Client Sample I.D.			TtSG-4-15'D	TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	17.6	9.22	7.80	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	60.7	182	153	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	78.3	191	161	ND
Our Lab I.D.			**73304.05**	**73304.06**	**73304.07**	**73304.08**	**73304.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		99.8	99.2	99.2	98.0	98.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1

Our Lab I.D.			**73304.10**	**73304.11**	**73304.18**		
Client Sample I.D.			TtSB-6-5'	TtSB-6-15'	TtHA-2-3'		
Date Sampled			05/28/2014	05/28/2014	05/28/2014		
Date Prepared			05/30/2014	05/30/2014	05/30/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	19.1		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	13.1		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	32.2		
Our Lab I.D.			**73304.10**	**73304.11**	**73304.18**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Chlorobenzene	75-125		95.6	96.5	102		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.04**	**73304.05**
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSG-4-15'	TtSG-4-15'D
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.04**	**73304.05**
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSG-4-15'	TtSG-4-15'D
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.04**	**73304.05**
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSG-4-15'	TtSG-4-15'D
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.04**	**73304.05**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
2-Fluorophenol	25-121		69.0	55.6	69.6	61.6	65.4
2-Fluorobiphenyl	30-115		78.8	69.6	78.4	71.2	74.0
Nitrobenzene-d5	23-120		70.8	63.6	70.0	64.0	65.2
Phenol-d6	21-113		67.4	58.4	68.2	60.2	63.8
p-Terphenyl-D14	18-137		80.8	69.6	75.6	69.2	76.4
2,4,6-Tribromophenol	19-122		62.0	48.8	61.6	55.6	63.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 30

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			73304.06	73304.07	73304.08	73304.09	73304.10
Client Sample I.D.			TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'	TtSB-6-5'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acenaphthene	0.25	0.50	ND	ND	ND	ND	ND
Acenaphthylene	0.25	0.50	ND	ND	ND	ND	ND
Anthracene	0.25	0.50	ND	ND	ND	ND	ND
Azobenzene	0.25	0.50	ND	ND	ND	ND	ND
Benzidine	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Benzoic Acid	0.25	0.50	ND	ND	ND	ND	ND
Benzyl Alcohol	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chloroaniline	0.25	0.50	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Chlorophenol	0.25	0.50	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND	ND	ND
Chrysene	0.25	0.50	ND	ND	ND	ND	ND
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND	ND	ND
Dibenzofuran	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			73304.06	73304.07	73304.08	73304.09	73304.10
Client Sample I.D.			TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'	TtSB-6-5'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	ND	ND
Fluoranthene	0.25	0.50	ND	ND	ND	ND	ND
Fluorene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	ND	ND
Hexachloroethane	0.25	0.50	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	ND	ND
Isophorone	0.25	0.50	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	ND	ND
4-Methylphenol	0.25	0.50	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	ND	ND
Naphthalene	0.25	0.50	ND	ND	ND	ND	ND
2-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
3-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
4-Nitroaniline	0.25	0.50	ND	ND	ND	ND	ND
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	ND	ND
4-Nitrophenol	0.25	0.50	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	ND	ND
Pentachlorophenol	0.25	0.50	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			**73304.06**	**73304.07**	**73304.08**	**73304.09**	**73304.10**
Client Sample I.D.			TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'	TtSB-6-5'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Phenanthrene	0.25	0.50	ND	ND	ND	ND	ND
Phenol	0.25	0.50	ND	ND	ND	ND	ND
Pyrene	0.25	0.50	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND	ND	ND
Our Lab I.D.			**73304.06**	**73304.07**	**73304.08**	**73304.09**	**73304.10**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
2-Fluorophenol	25-121		26.4	58.6	69.0	46.0	60.6
2-Fluorobiphenyl	30-115		51.2	76.8	79.6	46.8	65.2
Nitrobenzene-d5	23-120		44.8	68.0	72.4	41.6	60.4
Phenol-d6	21-113		27.8	59.2	67.8	46.4	59.2
p-Terphenyl-D14	18-137		49.2	77.6	70.4	44.0	64.0
2,4,6-Tribromophenol	19-122		9.9 S6	66.8	68.6	34.6	52.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 33

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			**73304.11**	**73304.18**			
Client Sample I.D.			TtSB-6-15'	TtHA-2-3'			
Date Sampled			05/28/2014	05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acenaphthene	0.25	0.50	ND	ND			
Acenaphthylene	0.25	0.50	ND	ND			
Anthracene	0.25	0.50	ND	ND			
Azobenzene	0.25	0.50	ND	ND			
Benzidine	0.25	0.50	ND	ND			
Benzo(a)anthracene	0.25	0.50	ND	ND			
Benzo(a)pyrene	0.25	0.50	ND	ND			
Benzo(b)fluoranthene	0.25	0.50	ND	ND			
Benzo(g,h,i)perylene	0.25	0.50	ND	ND			
Benzo(k)fluoranthene	0.25	0.50	ND	ND			
Benzoic Acid	0.25	0.50	ND	ND			
Benzyl Alcohol	0.25	0.50	ND	ND			
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND			
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND			
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND			
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND			
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND			
Butyl benzyl phthalate	0.25	0.50	ND	ND			
4-Chloro-3-methylphenol	0.25	0.50	ND	ND			
4-Chloroaniline	0.25	0.50	ND	ND			
2-Chloronaphthalene	0.25	0.50	ND	ND			
2-Chlorophenol	0.25	0.50	ND	ND			
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND			
Chrysene	0.25	0.50	ND	ND			
Di-n-butyl phthalate	0.25	0.50	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND			
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND			
Dibenzofuran	0.25	0.50	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			73304.11	73304.18			
Client Sample I.D.			TtSB-6-15'	TtHA-2-3'			
Date Sampled			05/28/2014	05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2-Dichlorobenzene	0.25	0.50	ND	ND			
1,3-Dichlorobenzene	0.25	0.50	ND	ND			
1,4-Dichlorobenzene	0.25	0.50	ND	ND			
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND			
2,4-Dichlorophenol	0.25	0.50	ND	ND			
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND			
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND			
2,4-Dimethylphenol	0.25	0.50	ND	ND			
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND			
2,4-Dinitrophenol	0.25	0.50	ND	ND			
2,4-Dinitrotoluene	0.25	0.50	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND			
Fluoranthene	0.25	0.50	ND	ND			
Fluorene	0.25	0.50	ND	ND			
Hexachlorobenzene	0.25	0.50	ND	ND			
Hexachlorobutadiene	0.25	0.50	ND	ND			
Hexachlorocyclopentadiene	0.25	0.50	ND	ND			
Hexachloroethane	0.25	0.50	ND	ND			
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND			
Isophorone	0.25	0.50	ND	ND			
2-Methylnaphthalene	0.25	0.50	ND	ND			
4-Methylphenol	0.25	0.50	ND	ND			
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND			
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND			
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND			
Naphthalene	0.25	0.50	ND	ND			
2-Nitroaniline	0.25	0.50	ND	ND			
3-Nitroaniline	0.25	0.50	ND	ND			
4-Nitroaniline	0.25	0.50	ND	ND			
Nitrobenzene (NB)	0.25	0.50	ND	ND			
4-Nitrophenol	0.25	0.50	ND	ND			
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND			
N-nitrosodiphenylamine	0.25	0.50	ND	ND			
Pentachlorophenol	0.25	0.50	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1

Our Lab I.D.			**73304.11**	**73304.18**			
Client Sample I.D.			TtSB-6-15'	TtHA-2-3'			
Date Sampled			05/28/2014	05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			06/03/2014	06/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Phenanthrene	0.25	0.50	ND	ND			
Phenol	0.25	0.50	ND	ND			
Pyrene	0.25	0.50	ND	ND			
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND			
2,4,5-Trichlorophenol	0.25	0.50	ND	ND			
2,4,6-Trichlorophenol	0.25	0.50	ND	ND			
Our Lab I.D.			**73304.11**	**73304.18**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
2-Fluorophenol	25-121		57.2	53.8			
2-Fluorobiphenyl	30-115		64.8	63.2			
Nitrobenzene-d5	23-120		58.4	56.0			
Phenol-d6	21-113		56.6	54.0			
p-Terphenyl-D14	18-137		62.4	66.0			
2,4,6-Tribromophenol	19-122		58.6	54.8			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 36

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2

Our Lab I.D.			Method Blank	73304.01	73304.02	73304.03	73304.04
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	TtSG-4-15'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	7.52	ND	ND
Barium	2.5	5.0	ND	35.6	88.2	61.0	164
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	20.6	24.3	35.1	31.7
Cobalt	2.5	5.0	ND	5.91	4.84J	22.9	23.0
Copper	2.5	5.0	ND	22.0	26.9	23.1	15.7
Lead	2.5	5.0	ND	ND	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	0.159J	ND
Molybdenum	2.5	5.0	ND	6.36	2.54J	15.9	7.23
Nickel	2.5	5.0	ND	50.4	33.6	82.8	212
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	14.4	35.2	25.7	37.4
Zinc	2.5	5.0	ND	75.7	52.2	62.6	215

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **37**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2

Our Lab I.D.			**73304.05**	**73304.06**	**73304.07**	**73304.08**	**73304.09**
Client Sample I.D.			TtSG-4-15'D	TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	4.44J	ND	ND	ND
Barium	2.5	5.0	132	75.9	158	178	51.8
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	35.4	28.7	17.1	20.0	37.7
Cobalt	2.5	5.0	21.2	7.24	6.46	6.25	8.51
Copper	2.5	5.0	16.7	22.7	18.7	19.6	30.0
Lead	2.5	5.0	ND	ND	238	20.6	3.89J
Mercury (By EPA 7471)	0.1	0.2	0.267	ND	ND	ND	ND
Molybdenum	2.5	5.0	6.64	10.7	ND	ND	9.65
Nickel	2.5	5.0	210	62.0	23.9	26.8	32.3
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	39.9	21.3	30.8	25.8	40.0
Zinc	2.5	5.0	226	70.0	59.5	42.2	70.1

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 38

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2

Our Lab I.D.			73304.10	73304.11	73304.12	73304.13	73304.14
Client Sample I.D.			TtSB-6-5'	TtSB-6-15'	TtSB-6-20'	TtSB-8-5'	TtSB-8-15'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	8.80	ND	2.13J	3.10J	1.98J
Barium	2.5	5.0	101	90.5	59.4	197	108
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	37.6	21.2	38.3	25.7	17.3
Cobalt	2.5	5.0	6.26	ND	5.16	7.77	3.22J
Copper	2.5	5.0	28.8	28.5	46.5	35.2	32.4
Lead	2.5	5.0	ND	ND	3.55J	2.51J	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	3.03J	4.90J
Nickel	2.5	5.0	50.7	79.2	105	35.9	13.3
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	37.5	23.2	41.7	23.8	15.8
Zinc	2.5	5.0	74.0	73.7	109	80.1	49.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 39

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2

Our Lab I.D.			73304.15	73304.18			
Client Sample I.D.			TtSB-8-25'	TtHA-2-3'			
Date Sampled			05/28/2014	05/28/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3050B	3050B			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	10.7			
Barium	2.5	5.0	108	646			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	23.0	36.3			
Cobalt	2.5	5.0	4.64J	5.00			
Copper	2.5	5.0	21.2	34.9			
Lead	2.5	5.0	ND	ND			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	2.82J	5.51			
Nickel	2.5	5.0	33.5	38.9			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	23.0	40.1			
Zinc	2.5	5.0	84.1	53.9			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 40

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1

Our Lab I.D.			Method Blank	**73304.01**	**73304.02**	**73304.03**	**73304.04**
Client Sample I.D.				TtSG-3-20'	TtSG-4-5'	TtSB-1-5'	TtSG-4-15'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **41**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1

Our Lab I.D.			**73304.05**	**73304.06**	**73304.07**	**73304.08**	**73304.09**
Client Sample I.D.			TtSG-4-15'D	TtSG-4-20'	TtSB-5-5'	TtSB-5-15'	TtSB-5-20'
Date Sampled			05/28/2014	05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	0.227	ND	0.268

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **42**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1

Our Lab I.D.			**73304.10**	**73304.11**	**73304.18**		
Client Sample I.D.			TtSB-6-5'	TtSB-6-15'	TtHA-2-3'		
Date Sampled			05/28/2014	05/28/2014	05/28/2014		
Date Prepared			06/03/2014	06/03/2014	06/03/2014		
Preparation Method			3060A	3060A	3060A		
Date Analyzed			06/03/2014	06/03/2014	06/03/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Chromium (VI)	0.20	0.20	0.216	0.256	ND		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **43**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530146A1

Our Lab I.D.			Method Blank	**73304.16**	**73304.17**		
Client Sample I.D.				EQB-7	TB-7		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			05/30/2014	05/30/2014	05/30/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	10	10	ND	ND	ND		
Benzene	0.5	1.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND		
Bromochloromethane	0.5	1.0	ND	ND	ND		
Bromodichloromethane	0.5	1.0	ND	ND	ND		
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND		
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND		
2-Butanone (MEK)	5.0	5.0	ND	ND	ND		
n-Butylbenzene	0.5	1.0	ND	ND	ND		
sec-Butylbenzene	0.5	1.0	ND	ND	ND		
tert-Butylbenzene	0.5	1.0	ND	ND	ND		
Carbon Disulfide	0.5	1.0	ND	ND	ND		
Carbon tetrachloride	0.5	1.0	ND	ND	ND		
Chlorobenzene	0.5	1.0	ND	ND	ND		
Chloroethane	1.5	3.0	ND	ND	ND		
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND		
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND		
2-Chlorotoluene	0.5	1.0	ND	ND	ND		
4-Chlorotoluene	0.5	1.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND		
Dibromochloromethane	0.5	1.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND		
Dibromomethane	0.5	1.0	ND	ND	ND		
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND		
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND		
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530146A1

Our Lab I.D.			Method Blank	**73304.16**	**73304.17**		
Client Sample I.D.				EQB-7	TB-7		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			05/30/2014	05/30/2014	05/30/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	0.5	1.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND		
1,1-Dichloroethene	0.5	1.0	ND	ND	ND		
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND		
1,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,3-Dichloropropane	0.5	1.0	ND	ND	ND		
2,2-Dichloropropane	0.5	1.0	ND	ND	ND		
1,1-Dichloropropene	0.5	1.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND		
Ethylbenzene	0.5	1.0	ND	ND	ND		
Hexachlorobutadiene	1.5	3.0	ND	ND	ND		
2-Hexanone	2.5	5.0	ND	ND	ND		
Iodomethane	0.5	1.0	ND	ND	ND		
Isopropylbenzene	0.5	1.0	ND	ND	ND		
p-Isopropyltoluene	0.5	1.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND		
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND		
Naphthalene	0.5	1.0	ND	ND	ND		
n-Propylbenzene	0.5	1.0	ND	ND	ND		
Styrene	0.5	1.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND		
Tetrachloroethene	0.5	1.0	ND	ND	ND		
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND		
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND		
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND		
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND		
Trichloroethene	0.5	1.0	ND	ND	ND		
Trichlorofluoromethane	0.5	1.0	ND	ND	ND		
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530146A1

Our Lab I.D.			Method Blank	**73304.16**	**73304.17**		
Client Sample I.D.				EQB-7	TB-7		
Date Sampled				05/28/2014	05/28/2014		
Date Prepared			05/30/2014	05/30/2014	05/30/2014		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			05/30/2014	05/30/2014	05/30/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND		
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND		
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND		
Vinyl Acetate	0.5	5.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND		
o-Xylene	0.5	1.0	ND	ND	ND		
m,p-Xylenes	1.0	2.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**73304.16**	**73304.17**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		101	98.7	98.8		
Dibromofluoromethane	75-125		93.4	95.4	90.2		
Toluene-d8	75-125		84.2	83.6	84.8		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 46

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			5030B	5030B			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			Method Blank	**73304.16**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		98.4	118			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **47**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 060314DB1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			06/03/2014	06/03/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**73304.16**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		90.5	80.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 48

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acenaphthene	5	10	ND	ND			
Acenaphthylene	5	10	ND	ND			
Anthracene	5	10	ND	ND			
Azobenzene	5	10	ND	ND			
Benzidine	5	10	ND	ND			
Benzo(a)anthracene	5	10	ND	ND			
Benzo(a)pyrene	5	10	ND	ND			
Benzo(b)fluoranthene	5	10	ND	ND			
Benzo(g,h,i)perylene	5	10	ND	ND			
Benzo(k)fluoranthene	5	10	ND	ND			
Benzoic Acid	5	10	ND	ND			
Benzyl Alcohol	5	10	ND	ND			
Bis(2-Chloroethoxy)methane	5	10	ND	ND			
Bis(2-Chloroethyl)ether	5	10	ND	ND			
Bis(2-chloroisopropyl) ether	5	10	ND	ND			
Bis(2-ethylhexyl) phthalate	5	10	ND	ND			
4-Bromophenyl phenyl ether	5	10	ND	ND			
Butyl benzyl phthalate	5	10	ND	ND			
4-Chloro-3-methylphenol	5	10	ND	ND			
4-Chloroaniline	5	10	ND	ND			
2-Chloronaphthalene	5	10	ND	ND			
2-Chlorophenol	5	10	ND	ND			
4-Chlorophenyl phenyl ether	5	10	ND	ND			
Chrysene	5	10	ND	ND			
Di-n-butyl phthalate	5	10	ND	ND			
Di-n-octyl phthalate (Dioctyl ester)	5	10	ND	ND			
Dibenzo(a,h)anthracene	5	10	ND	ND			
Dibenzofuran	5	10	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2-Dichlorobenzene	5	10	ND	ND			
1,3-Dichlorobenzene	5	10	ND	ND			
1,4-Dichlorobenzene	5	10	ND	ND			
3,3'-Dichlorobenzidine	5	10	ND	ND			
2,4-Dichlorophenol	5	10	ND	ND			
Diethyl phthalate (Diethyl ester)	5	10	ND	ND			
Dimethyl phthalate (Dimethyl ester)	5	10	ND	ND			
2,4-Dimethylphenol	5	10	ND	ND			
4,6-Dinitro-2-methylphenol	5	10	ND	ND			
2,4-Dinitrophenol	5	10	ND	ND			
2,4-Dinitrotoluene	5	10	ND	ND			
2,6-Dinitrotoluene (2,6-DNT)	5	10	ND	ND			
1,2-Diphenylhydrazine	5	10	ND	ND			
Fluoranthene	5	10	ND	ND			
Fluorene	5	10	ND	ND			
Hexachlorobenzene	5	10	ND	ND			
Hexachlorobutadiene	5	10	ND	ND			
Hexachlorocyclopentadiene	5	10	ND	ND			
Hexachloroethane	5	10	ND	ND			
Indeno(1,2,3-cd)pyrene	5	10	ND	ND			
Isophorone	5	10	ND	ND			
2-Methylnaphthalene	5	10	ND	ND			
4-Methylphenol	5	10	ND	ND			
2-Methylphenol (2-Cresol)	5	10	ND	ND			
3-Methylphenol (3-Cresol)	5	10	ND	ND			
N-Nitroso-Di-n-propylamine	5	10	ND	ND			
Naphthalene	5	10	ND	ND			
2-Nitroaniline	5	10	ND	ND			
3-Nitroaniline	5	10	ND	ND			
4-Nitroaniline	5	10	ND	ND			
Nitrobenzene (NB)	5	10	ND	ND			
4-Nitrophenol	5	10	ND	ND			
2-Nitrophenol (o-Nitrophenol)	5	10	ND	ND			
N-Nitrosodimethylamine	5	10	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			06/02/2014	06/02/2014			
Preparation Method			3510C	3510C			
Date Analyzed			06/04/2014	06/04/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
N-nitrosodiphenylamine	5	10	ND	ND			
Pentachlorophenol	5	10	ND	ND			
Phenanthrene	5	10	ND	ND			
Phenol	5	10	ND	ND			
Pyrene	5	10	ND	ND			
1,2,4-Trichlorobenzene	5	10	ND	ND			
2,4,5-Trichlorophenol	5	10	ND	ND			
2,4,6-Trichlorophenol	5	10	ND	ND			
Our Lab I.D.			Method Blank	**73304.16**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
2-Fluorophenol	25-121		36.9	30.7			
2-Fluorobiphenyl	30-115		62.6	70.0			
Nitrobenzene-d5	23-120		65.5	72.1			
Phenol-d6	24-113		24.3	34.2			
p-Terphenyl-D14	18-137		79.3	87.7			
2,4,6-Tribromophenol	19-122		76.0	80.5			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **51**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			3005A	3005A			
Date Analyzed			06/02/2014	06/02/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **52**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1

Our Lab I.D.			Method Blank	**73304.16**			
Client Sample I.D.				EQB-7			
Date Sampled				05/28/2014			
Date Prepared			05/29/2014	05/29/2014			
Preparation Method			7199	7199			
Date Analyzed			05/29/2014	05/29/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **53**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Arsenic	0.00	1.00	1.07	107	1.00	1.07	107	<1	75-125	<15
Barium	0.00	1.00	1.08	108	1.00	1.06	106	1.87	75-125	<15
Beryllium	0.00	1.00	1.10	110	1.00	1.09	109	<1	75-125	<15
Cadmium	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Chromium	0.00	1.00	1.05	105	1.00	1.04	104	<1	75-125	<15
Cobalt	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15
Copper	0.00	1.00	1.04	104	1.00	1.03	103	<1	75-125	<15
Lead	0.00	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00838	83.8	0.0100	0.00814	81.4	2.9	75-125	<15
Molybdenum	0.00	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15
Nickel	0.00	1.00	1.07	107	1.00	1.06	106	<1	75-125	<15
Selenium	0.00	1.00	1.09	109	1.00	1.11	111	1.82	75-125	<15
Silver	0.00	1.00	0.150M	14.7	1.00	0.140M	14.3	2.76	75-125	<15
Thallium	0.00	1.00	1.13	113	1.00	1.11	111	1.79	75-125	<15
Vanadium	0.00	1.00	1.05	105	1.00	1.03	103	1.92	75-125	<15
Zinc	0.00	1.00	1.08	108	1.00	1.07	107	<1	75-125	<15

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Arsenic	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Barium	1.00	1.00	99.6	1.00	1.00	100	<1	75-125	<15	
Beryllium	1.00	1.06	106	1.00	1.04	104	1.90	75-125	<15	
Cadmium	1.00	0.980	98.4	1.00	0.990	99.4	1.01	75-125	<15	
Chromium	1.00	0.990	98.5	1.00	0.990	99.1	<1	75-125	<15	
Cobalt	1.00	0.960	96.1	1.00	0.970	96.9	<1	75-125	<15	
Copper	1.00	0.970	97.1	1.00	0.980	97.9	<1	75-125	<15	
Lead	1.00	0.960	95.6	1.00	0.960	95.8	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0529142C2; Dup or Spiked Sample: 73272.07; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.00988	98.8	0.0100	0.00989	98.9	<1	75-125	<15	
Molybdenum	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Nickel	1.00	0.960	95.6	1.00	0.960	96.2	<1	75-125	<15	
Selenium	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15	
Silver	1.00	0.950	95.1	1.00	0.960	95.7	<1	75-125	<15	
Thallium	1.00	1.00	99.6	1.00	1.01	101	1.40	75-125	<15	
Vanadium	1.00	1.00	100	1.00	1.01	101	<1	75-125	<15	
Zinc	1.00	1.00	99.8	1.00	1.01	101	1.20	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **55**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 052914-1; Dup or Spiked Sample: 73304.16; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	1.00	0.668M	66.8	1.00	0.789	78.9	16.6	85-115	<20

QC Batch No: 052914-1; Dup or Spiked Sample: 73304.16; LCS: Clean Water; QC Prepared: 05/29/2014; QC Analyzed: 05/29/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	0.826	82.6	1.00	0.952	95.2	14.2	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **56**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530146A1; Dup or Spiked Sample: B0530146A1; LCS: Clean Water; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	54.0	108	50.0	55.5	111	2.74	75-125	<20
Chlorobenzene	0.00	50.0	45.0	90.0	50.0	45.7	91.4	1.54	75-125	<20
1,1-Dichloroethene	0.00	50.0	47.7	95.4	50.0	49.6	99.2	3.91	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	52.5	105	50.0	48.8	97.6	7.31	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	48.0	96.0	50.0	48.5	97.0	1.04	75-125	<20
Trichloroethene	0.00	50.0	54.5	109	50.0	56.5	113	3.60	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.3	90.6	50.0	44.5	88.9	1.88	75-125	<20
Dibromofluoromethane	0.00	50.0	42.0	84.0	50.0	41.6	83.1	1.07	75-125	<20
Toluene-d8	0.00	50.0	39.6	79.1	50.0	40.0	79.9	1.01	75-125	<20

QC Batch No: 0530146A1; Dup or Spiked Sample: B0530146A1; LCS: Clean Water; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	55.1	110	50.0	55.3	111	<1	75-125	<20	
Chlorobenzene	50.0	47.8	95.6	50.0	48.1	96.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	53.5	107	50.0	55.1	110	2.76	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.2	112	50.0	57.1	114	1.77	75-125	<20	
Toluene (Methyl benzene)	50.0	52.0	104	50.0	52.6	105	<1	75-125	<20	
Trichloroethene	50.0	52.6	105	50.0	52.8	106	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	55.3	111	50.0	56.0	112	<1	75-125	<20	
Ethylbenzene	50.0	53.8	108	50.0	54.4	109	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	59.8	120	50.0	60.4	121	<1	75-125	<20	
o-Xylene	50.0	46.9	93.8	50.0	47.8	96.0	2.32	75-125	<20	
m,p-Xylenes	100	97.8	97.8	100	99.8	99.8	2.02	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.4	98.8	50.0	48.9	97.7	1.11	75-125	<20	
Dibromofluoromethane	50.0	45.7	91.5	50.0	45.6	91.3	<1	75-125	<20	
Toluene-d8	50.0	40.1	80.3	50.0	40.3	80.6	<1	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **57**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	100	94.2	94.2	100	89.2	89.2	5.5	46-118	<20
4-Chloro-3-methylphenol	0.00	200	174	87.0	200	161	80.5	7.8	39-98	<20
2-Chlorophenol	0.00	200	161	80.5	200	153	76.5	5.1	27-123	<20
1,4-Dichlorobenzene	0.00	100	78.6	78.6	100	73.7	73.7	6.4	36-97	<20
2,4-Dinitrotoluene	0.00	100	91.1	91.1	100	88.2	88.2	3.2	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	100	96.4	96.4	100	89.4	89.4	7.5	41-116	<20
4-Nitrophenol	0.00	200	62.2	31.1	200	58.8	29.4	5.6	10-80	<20
Pentachlorophenol	0.00	200	163	81.5	200	154	77.0	5.7	40-125	<20
Phenol	0.00	200	77.6	38.8	200	74.0	37.0	4.7	12-98	<20
Pyrene	0.00	100	93.3	93.3	100	87.6	87.6	6.3	26-127	<20
1,2,4-Trichlorobenzene	0.00	100	82.5	82.5	100	75.6	75.6	8.7	39-98	<20
Surrogates										
2-Fluorophenol	0.00	200	111	55.5	200	104	52.0	6.5	25-121	<20
2-Fluorobiphenyl	0.00	100	80.2	80.2	100	73.7	73.7	8.4	30-115	<20
Nitrobenzene-d5	0.00	100	82.0	82.0	100	75.7	75.7	8.0	23-120	<20
p-Terphenyl-D14	0.00	100	84.8	84.8	100	80.3	80.3	5.5	18-137	<20
Phenol-d6	0.00	200	71.2	35.6	200	68.4	34.2	4.0	24-113	<20
2,4,6-Tribromophenol	0.00	200	184	92.0	200	166	83.0	10.3	19-122	<20

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	100	95.7	95.7	46-118						
4-Chloro-3-methylphenol	200	167	83.5	39-98						
2-Chlorophenol	200	155	77.5	27-123						
1,4-Dichlorobenzene	100	78.7	78.7	36-97						
2,4-Dinitrotoluene	100	91.3	91.3	24-96						
N-Nitroso-Di-n-propylamine	100	92.6	92.6	41-116						
4-Nitrophenol	200	60.4	30.2	10-80						
Pentachlorophenol	200	156	78.0	40-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060214JB1; Dup or Spiked Sample: B060214JB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/03/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	200	75.0	37.5	12-98						
Pyrene	100	95.9	95.9	26-127						
1,2,4-Trichlorobenzene	100	82.8	82.8	39-98						
Surrogates										
2-Fluorophenol	200	96.8	48.4	25-121						
2-Fluorobiphenyl	100	70.2	70.2	30-115						
Nitrobenzene-d5	100	70.7	70.7	23-120						
p-Terphenyl-D14	100	78.4	78.4	18-137						
Phenol-d6	200	65.8	32.9	24-113						
2,4,6-Tribromophenol	200	156	78.0	19-122						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 59

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 060314DB1; Dup or Spiked Sample: 0603; LCS: Clean Water; QC Prepared: 06/03/2014; QC Analyzed: 06/04/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	5.31	106	5.00	5.32	106	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.77	88.5	2.00	1.78	89.0	<1	60-125	<20

QC Batch No: 060314DB1; Dup or Spiked Sample: 0603; LCS: Clean Water; QC Prepared: 06/03/2014; QC Analyzed: 06/04/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.34	107	75-125						
Surrogates										
Chlorobenzene	2.00	1.79	89.5	60-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 60

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060214NB1; Dup or Spiked Sample: B060214NB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.480	96.6	0.500	0.460	91.8	5.10	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0496	99.2	0.0500	0.0456	91.2	8.06	75-125	<20

QC Batch No: 060214NB1; Dup or Spiked Sample: B060214NB1; LCS: Clean Water; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.470	93.4	0.500	0.450	90.4	3.26	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0492	98.4	0.0500	0.0482	96.4	2.03	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **61**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2; Dup or Spiked Sample: 73304.06; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	47.4	94.8	50.0	47.3	94.6	<1	75-125	<15
Arsenic	4.44	50.0	49.7	90.5	50.0	49.2	89.5	1.11	75-125	<15
Barium	75.9	50.0	102 M	52.2	50.0	102 M	52.2	<1	75-125	<15
Beryllium	0.00	50.0	48.8	97.6	50.0	48.6	97.2	<1	75-125	<15
Cadmium	0.00	50.0	53.7	107	50.0	53.8	108	<1	75-125	<15
Chromium	28.7	50.0	74.4	91.4	50.0	74.4	91.4	<1	75-125	<15
Cobalt	7.24	50.0	52.0	89.5	50.0	51.7	88.9	<1	75-125	<15
Copper	22.7	50.0	72.6	99.8	50.0	72.6	99.8	<1	75-125	<15
Lead	0.00	50.0	44.7	89.4	50.0	44.4	88.8	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.469	93.7	0.500	0.482	96.3	2.7	75-125	<15
Molybdenum	10.7	50.0	56.7	92.0	50.0	56.2	91.0	1.09	75-125	<15
Nickel	62.0	50.0	105	86.0	50.0	105	86.0	<1	75-125	<15
Selenium	0.00	50.0	52.9	106	50.0	52.6	105	<1	75-125	<15
Silver	0.00	50.0	46.0	92.0	50.0	46.0	92.0	<1	75-125	<15
Thallium	0.00	50.0	41.0	82.0	50.0	40.6	81.2	<1	75-125	<15
Vanadium	21.3	50.0	66.9	91.2	50.0	66.9	91.2	<1	75-125	<15
Zinc	70.0	50.0	116	92.0	50.0	116	92.0	<1	75-125	<15

QC Batch No: 0602142C2; Dup or Spiked Sample: 73304.06; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	46.4	92.8	50.0	47.0	94.0	1.28	75-125	<15	
Arsenic	50.0	46.2	92.4	50.0	46.4	92.8	<1	75-125	<15	
Barium	50.0	49.4	98.8	50.0	50.1	100	1.21	75-125	<15	
Beryllium	50.0	50.2	100	50.0	50.8	102	1.98	75-125	<15	
Cadmium	50.0	46.5	93.0	50.0	47.0	94.0	1.07	75-125	<15	
Chromium	50.0	49.2	98.4	50.0	49.8	99.6	1.21	75-125	<15	
Cobalt	50.0	49.0	98.0	50.0	49.9	99.8	1.82	75-125	<15	
Copper	50.0	51.1	102	50.0	51.6	103	<1	75-125	<15	
Lead	50.0	46.6	93.2	50.0	47.1	94.2	1.07	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C2; Dup or Spiked Sample: 73304.06; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.490	98.0	0.500	0.493	98.5	<1	75-125	<15	
Molybdenum	50.0	49.5	99.0	50.0	50.2	100	1.01	75-125	<15	
Nickel	50.0	48.1	96.2	50.0	48.6	97.2	1.03	75-125	<15	
Selenium	50.0	45.0	90.0	50.0	45.6	91.2	1.32	75-125	<15	
Silver	50.0	48.5	97.0	50.0	48.9	97.8	<1	75-125	<15	
Thallium	50.0	49.1	98.2	50.0	50.0	100	1.82	75-125	<15	
Vanadium	50.0	49.4	98.8	50.0	50.1	100	1.21	75-125	<15	
Zinc	50.0	45.8	91.6	50.0	46.1	92.2	<1	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 63

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1; Dup or Spiked Sample: 73304.04; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.258	103	0.250	0.265	106	2.9	75-125	<20

QC Batch No: 060314-1; Dup or Spiked Sample: 73304.04; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.244	97.6	0.250	0.239	95.6	2.1	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 64

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0531142A2; Dup or Spiked Sample: 73304.06; LCS: Clean Sand; LCS Prepared: 05/31/2014; LCS Analyzed: 05/31/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	44.6	89.2	50.0	44.7	89.0	<1	75-125	<20	
Chlorobenzene	50.0	40.5	81.0	50.0	39.9	80.0	1.2	75-125	<20	
1,1-Dichloroethene	50.0	43.4	86.8	50.0	42.6	85.0	2.1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.9	93.8	50.0	47.9	96.0	2.3	75-125	<20	
Toluene (Methyl benzene)	50.0	41.6	83.2	50.0	41.3	83.0	<1	75-125	<20	
Trichloroethene	50.0	47.9	95.8	50.0	47.6	95.0	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.8	93.6	50.0	46.3	93.0	<1	75-125	<20	
Ethylbenzene	50.0	40.4	80.8	50.0	39.7	79.0	2.3	75-125	<20	
1,1,1-Trichloroethane	50.0	50.4	101	50.0	50.5	101	<1	75-125	<20	
o-Xylene	50.0	40.2	80.4	50.0	39.7	79.0	1.8	75-125	<20	
m,p-Xylenes	100	76.9	76.9	100	76.9	76.9	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.3	96.6	50.0	49.5	99.0	2.5	75-125	<20	
Dibromofluoromethane	50.0	45.6	91.2	50.0	46.5	92.9	1.8	75-125	<20	
Toluene-d8	50.0	47.3	94.7	50.0	47.9	95.8	1.2	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 65

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0602142A1; Dup or Spiked Sample: B0602142A1; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20
Chlorobenzene	0.00	50.0	51.5	103	50.0	51.0	102	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	62.0	124	50.0	61.0	122	1.63	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	54.5	109	50.0	56.5	113	3.60	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	53.5	107	50.0	54.0	108	<1	75-125	<20
Trichloroethene	0.00	50.0	62.5	125	50.0	62.5	125	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.7	93.4	50.0	48.1	96.1	2.89	75-125	<20
Dibromofluoromethane	0.00	50.0	46.6	93.1	50.0	46.6	93.1	<1	75-125	<20
Toluene-d8	0.00	50.0	45.0	89.9	50.0	47.1	94.1	4.67	75-125	<20

QC Batch No: 0602142A1; Dup or Spiked Sample: B0602142A1; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	57.0	114	50.0	59.0	118	3.45	75-125	<20	
Chlorobenzene	50.0	59.9	120	50.0	60.0	120	<1	75-125	<20	
1,1-Dichloroethene	50.0	52.7	105	50.0	56.9	114	8.22	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.0	116	50.0	59.4	119	2.55	75-125	<20	
Toluene (Methyl benzene)	50.0	56.5	113	50.0	57.2	114	<1	75-125	<20	
Trichloroethene	50.0	61.8	124	50.0	62.3	125	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	62.4	125	50.0	58.1	116	7.47	75-125	<20	
Ethylbenzene	50.0	56.3	113	50.0	56.9	114	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	61.2	122	50.0	62.3	125	2.43	75-125	<20	
o-Xylene	50.0	59.2	118	50.0	58.3	117	<1	75-125	<20	
m,p-Xylenes	100	113	113	100	114	114	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	45.5	90.9	50.0	45.0	90.0	<1	75-125	<20	
Dibromofluoromethane	50.0	44.7	89.3	50.0	44.1	88.2	1.23	75-125	<20	
Toluene-d8	50.0	44.2	88.4	50.0	43.5	87.0	1.58	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 66

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0603142A1; Dup or Spiked Sample: 73329.01; LCS: Clean Sand; QC Prepared: 06/03/2014;MS Analyzed: 06/04/2014; LCS Analyzed: 06/03/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	46.7	93.4	50.0	47.9	95.8	2.54	75-125	<20
Chlorobenzene	0.00	50.0	37.7	75.4	50.0	37.9	75.8	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	52.0	104	50.0	55.5	111	6.51	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	51.5	103	50.0	50.5	101	1.96	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	41.4	82.8	50.0	40.4	80.8	2.44	75-125	<20
Trichloroethene	0.00	50.0	48.4	96.8	50.0	48.8	97.6	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	55.0	110	50.0	56.0	112	1.82	75-125	<20
Dibromofluoromethane	0.00	50.0	45.2	90.3	50.0	46.6	93.2	3.21	75-125	<20
Toluene-d8	0.00	50.0	48.1	96.2	50.0	46.7	93.4	2.91	75-125	<20

QC Batch No: 0603142A1; Dup or Spiked Sample: 73329.01; LCS: Clean Sand; QC Prepared: 06/03/2014;MS Analyzed: 06/04/2014; LCS Analyzed: 06/03/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	54.9	110	50.0	56.0	112	1.8	75-125	<20	
Chlorobenzene	50.0	48.9	97.8	50.0	48.5	97.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	58.2	116	50.0	60.5	121	4.22	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.3	94.6	50.0	47.1	94.0	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	50.8	102	50.0	51.0	102	<1	75-125	<20	
Trichloroethene	50.0	61.9	124	50.0	61.7	123	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	52.3	105	50.0	53.7	107	1.89	75-125	<20	
Ethylbenzene	50.0	46.6	93.2	50.0	47.3	95.0	1.91	75-125	<20	
1,1,1-Trichloroethane	50.0	60.3	121	50.0	61.8	124	2.45	75-125	<20	
o-Xylene	50.0	46.9	93.8	50.0	47.2	94.0	<1	75-125	<20	
m,p-Xylenes	100	94.0	94.0	100	93.6	93.6	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.3	96.6	50.0	47.5	95.0	1.66	75-125	<20	
Dibromofluoromethane	50.0	44.1	88.2	50.0	44.5	89.0	<1	75-125	<20	
Toluene-d8	50.0	46.0	92.0	50.0	45.3	90.7	1.41	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 67

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 060314JB1; Dup or Spiked Sample: 73304.06; LCS: Clean Sand; LCS Prepared: 06/03/2014; LCS Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Acenaphthene	2.50	2.14	85.6	2.50	2.25	90.0	5.0	31-137	<20	
4-Chloro-3-methylphenol	5.00	3.78	75.6	5.00	4.01	80.2	5.9	40-99	<20	
2-Chlorophenol	5.00	3.70	74.0	5.00	4.02	80.4	8.3	25-102	<20	
1,4-Dichlorobenzene	2.50	2.00	80.0	2.50	2.07	82.8	3.4	28-104	<20	
2,4-Dinitrotoluene	2.50	2.05	82.0	2.50	2.00	80.0	2.5	28-89	<20	
N-Nitroso-Di-n-propylamine	2.50	2.14	85.6	2.50	2.24	89.6	4.6	41-126	<20	
4-Nitrophenol	5.00	3.02	60.4	5.00	2.66	53.2	12.7	11-114	<20	
Pentachlorophenol	5.00	2.72	54.4	5.00	2.63	52.6	3.4	17-125	<20	
Phenol	5.00	3.64	72.8	5.00	3.96	79.2	8.4	26-90	<20	
Pyrene	5.00	2.30	46.0	5.00	2.04	40.8	12.0	35-142	<20	
1,2,4-Trichlorobenzene	2.50	1.89	75.6	2.50	2.06	82.4	8.6	38-107	<20	
Surrogates										
2-Fluorophenol	5.00	3.35	67.0	5.00	3.72	74.4	10.5	25-121	<20	
2-Fluorobiphenyl	2.50	1.93	77.2	2.50	1.99	79.6	3.1	30-115	<20	
Nitrobenzene-d5	2.50	1.73	69.2	2.50	1.88	75.2	8.3	23-120	<20	
p-Terphenyl-D14	2.50	2.00	80.0	2.50	1.78	71.2	11.6	18-137	<20	
Phenol-d6	5.00	3.41	68.2	5.00	3.72	74.4	8.7	24-113	<20	
2,4,6-Tribromophenol	5.00	3.44	68.8	5.00	3.64	72.8	5.6	19-122	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 68

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	499	99.8	500	491	98.2	1.62	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	94.1	94.1	100	95.7	95.7	1.70	75-125	<20

QC Batch No: 053014DB1; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	533	107	75-125						
Surrogates										
Chlorobenzene	100	92.2	92.2	75-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 69

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB2; Dup or Spiked Sample: 73304.06HGA; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/31/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.770	76.6	1.00	0.770	77.2	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0421	84.2	0.0500	0.0436	87.2	3.5	75-125	<20

QC Batch No: 053014NB2; Dup or Spiked Sample: 73304.06HGA; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/31/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.850	84.5	1.00	0.910	91.0	7.4	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0510	102	0.0500	0.0505	101	<1	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 70

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73304	05/28/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060314NB1; Dup or Spiked Sample: B060314NB1; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.830	83.0	1.00	0.880	88.0	5.85	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0541	108	0.0500	0.0511	102	5.56	75-125	<20

QC Batch No: 060314NB1; Dup or Spiked Sample: B060314NB1; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.840	83.8	1.00	0.910	91.1	8.35	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0481	96.2	0.0500	0.0499	99.8	3.74	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 14
Date Received 05/29/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73310	05/29/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 84154

AETL JOB No. 73310

Page 1 of 1

COMPANY: Tetratech
PROJECT MANAGER: Salar Niku
COMPANY ADDRESS: 3475 Foothill Blvd, Pasadena, CA
PHONE:
FAX:
PROJECT NAME: Calabasas, Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24013 Ventura blvd, Calabasas, CA
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	THe 22 metals 6010B/7471A	TPHG (8015G)	TPH D (8015D)	CrVI (7199)	VOC's (8260B)						TEST INSTRUCTIONS & COMMENTS
1	TtSB-7-5'	73310.01	5-28-14	1613	SOIL	4xVOA 40ml 1xSS 6" sleeve	ICED	X	X	X	X	X						
2	TtSB-7-15'	73310.02		1622	SOIL	"	"	X	X	X	X	X						
3	TtSB-7-15'D	73310.03		1622	SOIL	4xVOA 40ml	"	X	X	X	X	X						
4	TtSB-7-20'	73310.04		1627	SOIL	4xVOA 40ml 1xSS 6" sleeve	"	X	X	X	X	X						
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	19	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: S. Babal Chandra	Printed Name:	Printed Name:
Date: 5-29-14 Time: 0910	Date: Time:	Date: 5/29/14 Time: 0945
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name: Regist	Printed Name:	Printed Name: Sean Claude
Date: 5/29/14 Time: 0910	Date: Time:	Date: 5/29/14 Time: 0945

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/29/2014
Date Reported 06/06/2014

Job Number	Order Date	Client
73310	05/29/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 4 samples with the following specification on 05/29/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73310.01	TtSB-7-5'	05/28/2014	Soil	5
73310.02	TtSB-7-15'	05/28/2014	Soil	5
73310.03	TtSB-7-15' D	05/28/2014	Soil	5
73310.04	TtSB-7-20'	05/28/2014	Soil	5

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(6010B/7000CAM)	06/05/2014	2	Normal	mg/Kg
(7199)	06/05/2014	2	Normal	mg/Kg
(8260B)	06/05/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	06/05/2014	2	Normal	mg/Kg
(M8015G)	06/05/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **2**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/31/2014	05/31/2014	05/31/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	2.43J	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/31/2014	05/31/2014	05/31/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	1.37J	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/31/2014	05/31/2014	05/31/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		101	109	97.4	96.3	110
Dibromofluoromethane	75-125		99.8	105	104	105	108
Toluene-d8	75-125		96.0	98.4	95.2	92.3	100

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			05/30/2014	05/31/2014	05/31/2014	05/31/2014	05/31/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		91.4	95.0	103	101	97.8

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 6

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			05/30/2014	05/30/2014	05/30/2014	05/30/2014	05/30/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		97.5	99.2	98.5	99.2	99.1

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **7**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C3

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			06/02/2014	06/02/2014	06/02/2014	06/02/2014	06/02/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	4.66J
Barium	2.5	5.0	ND	172	59.0	56.5	61.2
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	26.8	24.3	26.4	27.1
Cobalt	2.5	5.0	ND	8.05	19.0	5.38	4.96J
Copper	2.5	5.0	ND	21.0	29.1	30.0	31.3
Lead	2.5	5.0	ND	ND	ND	ND	ND
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	4.54J	2.80J	15.5
Nickel	2.5	5.0	ND	29.9	35.6	27.6	26.4
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	34.2	20.8	22.3	30.1
Zinc	2.5	5.0	ND	36.8	48.4	47.5	59.2

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1

Our Lab I.D.			Method Blank	**73310.01**	**73310.02**	**73310.03**	**73310.04**
Client Sample I.D.				TtSB-7-5'	TtSB-7-15'	TtSB-7-15' D	TtSB-7-20'
Date Sampled				05/28/2014	05/28/2014	05/28/2014	05/28/2014
Date Prepared			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Preparation Method			3060A	3060A	3060A	3060A	3060A
Date Analyzed			06/03/2014	06/03/2014	06/03/2014	06/03/2014	06/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	0.20	0.20	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 9

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C3; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	45.4	90.8	50.0	45.1	90.2	<1	75-125	<15
Arsenic	0.00	50.0	44.9	89.8	50.0	45.2	90.4	<1	75-125	<15
Barium	172	50.0	261 M	178	50.0	260 M	176	1.13	75-125	<15
Beryllium	0.00	50.0	48.4	96.8	50.0	48.1	96.2	<1	75-125	<15
Cadmium	0.00	50.0	43.9	87.8	50.0	43.7	87.4	<1	75-125	<15
Chromium	26.8	50.0	67.8	82.0	50.0	67.5	81.4	<1	75-125	<15
Cobalt	8.05	50.0	50.4	84.7	50.0	50.8	85.5	<1	75-125	<15
Copper	21.0	50.0	68.9	95.8	50.0	68.6	95.2	<1	75-125	<15
Lead	0.00	50.0	43.6	87.2	50.0	44.3	88.6	1.59	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.481	96.2	0.500	0.492	98.3	2.2	75-125	<15
Molybdenum	0.00	50.0	47.2	94.4	50.0	47.5	95.0	<1	75-125	<15
Nickel	29.9	50.0	71.8	83.8	50.0	72.5	85.2	1.66	75-125	<15
Selenium	0.00	50.0	42.3	84.6	50.0	42.7	85.4	<1	75-125	<15
Silver	0.00	50.0	45.5	91.0	50.0	45.3	90.6	<1	75-125	<15
Thallium	0.00	50.0	40.5	81.0	50.0	40.7	81.4	<1	75-125	<15
Vanadium	34.2	50.0	73.3	78.2	50.0	72.9	77.4	1.03	75-125	<15
Zinc	36.8	50.0	75.6	77.6	50.0	75.2	76.8	1.04	75-125	<15

QC Batch No: 0602142C3; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	47.3	94.6	50.0	47.9	95.8	1.26	75-125	<15	
Arsenic	50.0	46.8	93.6	50.0	47.1	94.2	<1	75-125	<15	
Barium	50.0	49.2	98.4	50.0	50.9	102	3.59	75-125	<15	
Beryllium	50.0	50.4	101	50.0	50.5	101	<1	75-125	<15	
Cadmium	50.0	46.6	93.2	50.0	47.9	95.8	2.75	75-125	<15	
Chromium	50.0	49.1	98.2	50.0	50.5	101	2.81	75-125	<15	
Cobalt	50.0	49.5	99.0	50.0	50.6	101	2.00	75-125	<15	
Copper	50.0	51.1	102	50.0	52.3	105	2.90	75-125	<15	
Lead	50.0	46.6	93.2	50.0	47.9	95.8	2.75	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0602142C3; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 06/02/2014; QC Analyzed: 06/02/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	0.500	0.473	94.5	0.500	0.472	94.4	<1	75-125	<15	
Molybdenum	50.0	49.4	98.8	50.0	50.7	101	2.20	75-125	<15	
Nickel	50.0	48.1	96.2	50.0	49.4	98.8	2.67	75-125	<15	
Selenium	50.0	46.2	92.4	50.0	45.7	91.4	1.09	75-125	<15	
Silver	50.0	48.5	97.0	50.0	49.6	99.2	2.24	75-125	<15	
Thallium	50.0	49.4	98.8	50.0	50.5	101	2.20	75-125	<15	
Vanadium	50.0	49.2	98.4	50.0	50.9	102	3.59	75-125	<15	
Zinc	50.0	46.2	92.4	50.0	46.9	93.8	1.50	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 060314-1; Dup or Spiked Sample: 73304.04; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.258	103	0.250	0.265	106	2.9	75-125	<20

QC Batch No: 060314-1; Dup or Spiked Sample: 73304.04; LCS: Clean Sand; QC Prepared: 06/03/2014; QC Analyzed: 06/03/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.250	0.244	97.6	0.250	0.239	95.6	2.1	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0530142A2; Dup or Spiked Sample: B0530142A2; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	43.1	86.2	50.0	42.5	85.0	1.40	75-125	<20
Chlorobenzene	0.00	50.0	39.8	79.6	50.0	39.1	78.2	1.77	75-125	<20
1,1-Dichloroethene	0.00	50.0	40.1	80.2	50.0	38.7	77.4	3.55	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	50.5	101	50.0	48.5	97.0	4.04	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	39.9	79.8	50.0	39.1	78.2	2.03	75-125	<20
Trichloroethene	0.00	50.0	44.8	89.6	50.0	43.8	87.6	2.26	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	49.8	99.6	50.0	47.9	95.8	3.82	75-125	<20
Dibromofluoromethane	0.00	50.0	46.6	93.2	50.0	45.9	91.7	1.61	75-125	<20
Toluene-d8	0.00	50.0	47.9	95.8	50.0	46.8	93.5	2.40	75-125	<20

QC Batch No: 0530142A2; Dup or Spiked Sample: B0530142A2; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	46.2	92.4	50.0	48.9	98.0	5.88	75-125	<20	
Chlorobenzene	50.0	42.9	85.8	50.0	44.5	89.0	3.66	75-125	<20	
1,1-Dichloroethene	50.0	47.1	94.2	50.0	48.8	98.0	3.95	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.8	95.6	50.0	49.0	98.0	2.48	75-125	<20	
Toluene (Methyl benzene)	50.0	45.2	90.4	50.0	46.0	92.0	1.75	75-125	<20	
Trichloroethene	50.0	50.5	101	50.0	52.5	105	3.88	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	45.5	91.0	50.0	49.5	99.0	8.42	75-125	<20	
Ethylbenzene	50.0	43.8	87.6	50.0	45.0	90.0	2.70	75-125	<20	
1,1,1-Trichloroethane	50.0	52.3	105	50.0	53.7	107	1.89	75-125	<20	
o-Xylene	50.0	41.1	82.2	50.0	43.7	87.0	5.67	75-125	<20	
m,p-Xylenes	100	85.1	85.1	100	87.3	87.3	2.55	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.0	92.0	50.0	49.9	99.8	8.48	75-125	<20	
Dibromofluoromethane	50.0	44.4	88.8	50.0	47.0	94.0	5.86	75-125	<20	
Toluene-d8	50.0	46.7	93.5	50.0	48.2	96.4	3.10	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **13**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 053014DB1; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	499	99.8	500	491	98.2	1.62	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	94.1	94.1	100	95.7	95.7	1.70	75-125	<20

QC Batch No: 053014DB1; Dup or Spiked Sample: 73310.01; LCS: Clean Sand; QC Prepared: 05/30/2014; QC Analyzed: 05/30/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	533	107	75-125						
Surrogates										
Chlorobenzene	100	92.2	92.2	75-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73310	05/29/2014	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 053014NB1; Dup or Spiked Sample: 73290.01HGA; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.830	82.7	1.00	0.240M	23.5	111	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0467	93.4	0.0500	0.0486	97.2	4.07	75-125	<20

QC Batch No: 053014NB1; Dup or Spiked Sample: 73290.01HGA; LCS: Clean Sand; QC Prepared: 05/30/2014;MS Analyzed: 05/31/2014; LCS Analyzed: 05/30/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.910	91.0	1.00	0.940	94.2	3.46	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0443	88.6	0.0500	0.0466	93.2	5.19	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 32
Date Received 06/17/2014
Date Reported 06/25/2014

Job Number	Order Date	Client
73521	06/17/2014	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 9 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 86036

COMPANY: Tetratech
PROJECT MANAGER: Salar Niku
COMPANY ADDRESS: 3475 Foothill blvd, Pasadena, CA
PHONE / FAX: 1-480-305-3577
PROJECT NAME: Calabasas Storage
PROJECT #: 100-PEN-T31263
SITE NAME AND ADDRESS: 24003 Ventura blvd, Calabasas, CA
PO #:
AETL JOB No. 73521
Page 1 of 1

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Title 22 Metals (6010B/7470A)	CrVI (7199)	TPH-D (8015D)	TPH-G (8015G)	VOC's (8260B)	SVOC's (8270C)				TEST INSTRUCTIONS & COMMENTS
1	TTMW-1	73521.01	06/17/14	0909	GW	9	HCl/None	X	X	X	X	X	X				
2	TTMW-1-D	73521.02	06/17/14	0919	GW	9	HCl/None	X	X	X	X	X	X				
3	TTMW-2	73521.03	06/17/14	1002	GW	9	HCl/None	X	X	X	X	X	X				
4	EQ	73521.04	06/17/14	1020	GW	9	HCl/None	X	X	X	X	X	X				
5	TTMW-3	73521.05	06/17/14	1114	GW	9	HCl/None	X	X	X	X	X	X				
6	TTMW-4	73521.06	06/17/14	1219	GW	9	HCl/None	X	X	X	X	X	X				
7	TTMW-5	73521.07	06/17/14	1304	GW	9	HCl/None	X	X	X	X	X	X				
8	Purge Water	73521.08	06/17/14	1345	GW	9	HCl/None	X	X	X	X	X	X				
9	TB	73521.09	06/17/14	0800	GW	2	HCl/None					X					
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	74	PROPERLY COOLED	(Y) N / NA
CUSTODY SEALS	Y / (N) / NA	SAMPLES INTACT	(Y) N / NA
RECEIVED IN GOOD COND.	(Y) / N	SAMPLES ACCEPTED	(Y) / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: Trinh Hoang	Printed Name:	Printed Name: Thomas Williams
Date: 06/17/14 Time: 1400	Date: Time:	Date: 6-17-14 Time: 1750

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: Thomas Williams	Printed Name:	Printed Name: Artin
Date: 6-17-14 Time: 1400	Date: Time:	Date: 06/17/14 Time: 1750

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 06/17/2014
Date Reported 06/25/2014

Job Number	Order Date	Client
73521	06/17/2014	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 9 samples with the following specification on 06/17/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
73521.01	TtMW-1	06/17/2014	Aqueous	9
73521.02	TtMW-1-D	06/17/2014	Aqueous	9
73521.03	TtMW-2	06/17/2014	Aqueous	9
73521.04	EQB	06/17/2014	Aqueous	9
73521.05	TtMW-3	06/17/2014	Aqueous	9
73521.06	TtMW-4	06/17/2014	Aqueous	9
73521.07	TtMW-5	06/17/2014	Aqueous	9
73521.08	Purge Water	06/17/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	06/24/2014	2	Normal	mg/L
7199	06/24/2014	2	Normal	ug/L
8260B	06/24/2014	2	Normal	ug/L
8270C	06/24/2014	2	Normal	ug/L
M8015D ^ C13-C40	06/24/2014	2	Normal	mg/L
M8015G	06/24/2014	2	Normal	mg/L

73521.09	TB	06/17/2014	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	06/24/2014	2	Normal	ug/L

The samples were analyzed as specified on the enclosed chain of custody.
Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **2**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	10	10	ND	ND	ND	ND	ND
Benzene	0.5	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	ND
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	0.5	1.0	ND	1.68	ND	ND	ND
Bromoform (Tribromomethane)	2.5	5.0	ND	3.92J	ND	ND	ND
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	ND
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	ND
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	ND
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Chloroethane	1.5	3.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.5	1.0	ND	2.33	ND	ND	ND
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	ND
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.5	1.0	ND	4.45	ND	ND	ND
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	ND
Dibromomethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	1.0	ND	1.40	ND	ND	ND
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	ND
2-Hexanone	2.5	5.0	ND	ND	ND	ND	ND
Iodomethane	0.5	1.0	ND	ND	ND	ND	1.39
Isopropylbenzene	0.5	1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	ND
Naphthalene	0.5	1.0	ND	ND	ND	ND	ND
n-Propylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Styrene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	1.0	ND	4.98	ND	ND	ND
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
Trichloroethene	0.5	1.0	ND	18.3	0.850J	ND	ND
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	3.33	ND	ND	ND
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	ND
o-Xylene	0.5	1.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	2.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		99.2	101	94.7	93.4	98.0
Dibromofluoromethane	75-125		88.7	95.4	89.4	85.6	91.1
Toluene-d8	75-125		77.4	76.3	77.5	77.7	76.6

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			73521.05	73521.06	73521.07	73521.08	73521.09
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	TB
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	10	10	ND	ND	ND	ND	ND
Benzene	0.5	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	ND
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	0.5	1.0	0.990J	ND	ND	ND	ND
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	ND
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	ND
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	ND
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Chloroethane	1.5	3.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	ND
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.5	1.0	ND	0.650J	ND	ND	ND
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	ND
Dibromomethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			73521.05	73521.06	73521.07	73521.08	73521.09
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	TB
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.0	1.06	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	1.0	7.57	0.710J	ND	ND	ND
trans-1,2-Dichloroethene	0.5	1.0	0.520J	ND	ND	ND	ND
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	ND
2-Hexanone	2.5	5.0	ND	ND	ND	ND	ND
Iodomethane	0.5	1.0	ND	ND	ND	ND	ND
Isopropylbenzene	0.5	1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	ND
Naphthalene	0.5	1.0	ND	ND	ND	ND	ND
n-Propylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Styrene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	1.0	56.3	4.68	ND	ND	ND
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
Trichloroethene	0.5	1.0	95.2	31.6	ND	0.940J	ND
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	**73521.09**
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	TB
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	44.6	3.25	ND	ND	ND
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.5	3.0	5.90	ND	ND	ND	ND
o-Xylene	0.5	1.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	2.0	ND	ND	ND	ND	ND
Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	**73521.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		98.0	93.5	91.3	99.0	100
Dibromofluoromethane	75-125		88.1	86.3	86.7	91.1	90.9
Toluene-d8	75-125		74.6 S6	78.0	79.1	75.6	76.9

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 062014NB2

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/20/2014	06/20/2014	06/20/2014	06/20/2014	06/20/2014
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/21/2014	06/21/2014	06/21/2014	06/21/2014	06/21/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		107	120	117	118	108

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 9

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 062014NB2

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	
Date Prepared			06/20/2014	06/20/2014	06/20/2014	06/20/2014	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/21/2014	06/21/2014	06/21/2014	06/21/2014	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	0.0501	ND	ND	ND	
Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		117	95.2	103	123	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 10

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 062014DB1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/20/2014	06/20/2014	06/20/2014	06/20/2014	06/20/2014
Preparation Method			3510C	3510C	3510C	3510C	3510C
Date Analyzed			06/23/2014	06/23/2014	06/23/2014	06/23/2014	06/23/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	60-125		77.0	70.0	60.5	66.0	66.5

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 062014DB1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	
Date Prepared			06/20/2014	06/20/2014	06/20/2014	06/20/2014	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	
Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Chlorobenzene	60-125		61.0	65.5	78.0	73.5	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/18/2014	06/18/2014	06/18/2014	06/18/2014	06/18/2014
Preparation Method			3510C	3510C	3510C	3510C	3510C
Date Analyzed			06/19/2014	06/19/2014	06/19/2014	06/19/2014	06/19/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acenaphthene	5	10	ND	ND	ND	ND	ND
Acenaphthylene	5	10	ND	ND	ND	ND	ND
Anthracene	5	10	ND	ND	ND	ND	ND
Azobenzene	5	10	ND	ND	ND	ND	ND
Benzidine	5	10	ND	ND	ND	ND	ND
Benzo(a)anthracene	5	10	ND	ND	ND	ND	ND
Benzo(a)pyrene	5	10	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	5	10	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	5	10	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	5	10	ND	ND	ND	ND	ND
Benzoic Acid	5	10	ND	ND	ND	ND	ND
Benzyl Alcohol	5	10	ND	ND	ND	ND	ND
Bis(2-Chloroethoxy)methane	5	10	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)ether	5	10	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	10	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	10	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	5	10	ND	ND	ND	ND	ND
Butyl benzyl phthalate	5	10	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	10	ND	ND	ND	ND	ND
4-Chloroaniline	5	10	ND	ND	ND	ND	ND
2-Chloronaphthalene	5	10	ND	ND	ND	ND	ND
2-Chlorophenol	5	10	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	5	10	ND	ND	ND	ND	ND
Chrysene	5	10	ND	ND	ND	ND	ND
Di-n-butyl phthalate	5	10	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	5	10	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	5	10	ND	ND	ND	ND	ND
Dibenzofuran	5	10	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/18/2014	06/18/2014	06/18/2014	06/18/2014	06/18/2014
Preparation Method			3510C	3510C	3510C	3510C	3510C
Date Analyzed			06/19/2014	06/19/2014	06/19/2014	06/19/2014	06/19/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2-Dichlorobenzene	5	10	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5	10	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	10	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	10	ND	ND	ND	ND	ND
2,4-Dichlorophenol	5	10	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	5	10	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	5	10	ND	ND	ND	ND	ND
2,4-Dimethylphenol	5	10	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	5	10	ND	ND	ND	ND	ND
2,4-Dinitrophenol	5	10	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	10	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	5	10	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	5	10	ND	ND	ND	ND	ND
Fluoranthene	5	10	ND	ND	ND	ND	ND
Fluorene	5	10	ND	ND	ND	ND	ND
Hexachlorobenzene	5	10	ND	ND	ND	ND	ND
Hexachlorobutadiene	5	10	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	10	ND	ND	ND	ND	ND
Hexachloroethane	5	10	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	5	10	ND	ND	ND	ND	ND
Isophorone	5	10	ND	ND	ND	ND	ND
2-Methylnaphthalene	5	10	ND	ND	ND	ND	ND
4-Methylphenol	5	10	ND	ND	ND	ND	ND
2-Methylphenol (2-Cresol)	5	10	ND	ND	ND	ND	ND
3-Methylphenol (3-Cresol)	5	10	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	5	10	ND	ND	ND	ND	ND
Naphthalene	5	10	ND	ND	ND	ND	ND
2-Nitroaniline	5	10	ND	ND	ND	ND	ND
3-Nitroaniline	5	10	ND	ND	ND	ND	ND
4-Nitroaniline	5	10	ND	ND	ND	ND	ND
Nitrobenzene (NB)	5	10	ND	ND	ND	ND	ND
4-Nitrophenol	5	10	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	5	10	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	5	10	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/18/2014	06/18/2014	06/18/2014	06/18/2014	06/18/2014
Preparation Method			3510C	3510C	3510C	3510C	3510C
Date Analyzed			06/19/2014	06/19/2014	06/19/2014	06/19/2014	06/19/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
N-nitrosodiphenylamine	5	10	ND	ND	ND	ND	ND
Pentachlorophenol	5	10	ND	ND	ND	ND	ND
Phenanthrene	5	10	ND	ND	ND	ND	ND
Phenol	5	10	ND	ND	ND	ND	ND
Pyrene	5	10	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	10	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	5	10	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	5	10	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
2-Fluorophenol	25-121		32.4	28.4	32.1	20.3 S6	30.3
2-Fluorobiphenyl	30-115		75.0	74.0	68.2	49.0	76.8
Nitrobenzene-d5	23-120		73.3	72.5	70.2	49.7	75.0
Phenol-d6	24-113		24.4	18.1 S6	23.2 S6	12.0 S6	16.7 S6
p-Terphenyl-D14	18-137		116	110	109	68.5	113
2,4,6-Tribromophenol	19-122		97.5	100	100	62.0	99.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**		
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5		
Date Sampled			06/17/2014	06/17/2014	06/17/2014		
Date Prepared			06/18/2014	06/18/2014	06/18/2014		
Preparation Method			3510C	3510C	3510C		
Date Analyzed			06/20/2014	06/20/2014	06/20/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acenaphthene	5	10	ND	ND	ND		
Acenaphthylene	5	10	ND	ND	ND		
Anthracene	5	10	ND	ND	ND		
Azobenzene	5	10	ND	ND	ND		
Benzidine	5	10	ND	ND	ND		
Benzo(a)anthracene	5	10	ND	ND	ND		
Benzo(a)pyrene	5	10	ND	ND	ND		
Benzo(b)fluoranthene	5	10	ND	ND	ND		
Benzo(g,h,i)perylene	5	10	ND	ND	ND		
Benzo(k)fluoranthene	5	10	ND	ND	ND		
Benzoic Acid	5	10	ND	ND	ND		
Benzyl Alcohol	5	10	ND	ND	ND		
Bis(2-Chloroethoxy)methane	5	10	ND	ND	ND		
Bis(2-Chloroethyl)ether	5	10	ND	ND	ND		
Bis(2-chloroisopropyl) ether	5	10	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	5	10	ND	ND	ND		
4-Bromophenyl phenyl ether	5	10	ND	ND	ND		
Butyl benzyl phthalate	5	10	ND	ND	ND		
4-Chloro-3-methylphenol	5	10	ND	ND	ND		
4-Chloroaniline	5	10	ND	ND	ND		
2-Chloronaphthalene	5	10	ND	ND	ND		
2-Chlorophenol	5	10	ND	ND	ND		
4-Chlorophenyl phenyl ether	5	10	ND	ND	ND		
Chrysene	5	10	ND	ND	ND		
Di-n-butyl phthalate	5	10	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	5	10	ND	ND	ND		
Dibenzo(a,h)anthracene	5	10	ND	ND	ND		
Dibenzofuran	5	10	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**		
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5		
Date Sampled			06/17/2014	06/17/2014	06/17/2014		
Date Prepared			06/18/2014	06/18/2014	06/18/2014		
Preparation Method			3510C	3510C	3510C		
Date Analyzed			06/20/2014	06/20/2014	06/20/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2-Dichlorobenzene	5	10	ND	ND	ND		
1,3-Dichlorobenzene	5	10	ND	ND	ND		
1,4-Dichlorobenzene	5	10	ND	ND	ND		
3,3'-Dichlorobenzidine	5	10	ND	ND	ND		
2,4-Dichlorophenol	5	10	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	5	10	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	5	10	ND	ND	ND		
2,4-Dimethylphenol	5	10	ND	ND	ND		
4,6-Dinitro-2-methylphenol	5	10	ND	ND	ND		
2,4-Dinitrophenol	5	10	ND	ND	ND		
2,4-Dinitrotoluene	5	10	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	5	10	ND	ND	ND		
1,2-Diphenylhydrazine	5	10	ND	ND	ND		
Fluoranthene	5	10	ND	ND	ND		
Fluorene	5	10	ND	ND	ND		
Hexachlorobenzene	5	10	ND	ND	ND		
Hexachlorobutadiene	5	10	ND	ND	ND		
Hexachlorocyclopentadiene	5	10	ND	ND	ND		
Hexachloroethane	5	10	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	5	10	ND	ND	ND		
Isophorone	5	10	ND	ND	ND		
2-Methylnaphthalene	5	10	ND	ND	ND		
4-Methylphenol	5	10	ND	ND	ND		
2-Methylphenol (2-Cresol)	5	10	ND	ND	ND		
3-Methylphenol (3-Cresol)	5	10	ND	ND	ND		
N-Nitroso-Di-n-propylamine	5	10	ND	ND	ND		
Naphthalene	5	10	ND	ND	ND		
2-Nitroaniline	5	10	ND	ND	ND		
3-Nitroaniline	5	10	ND	ND	ND		
4-Nitroaniline	5	10	ND	ND	ND		
Nitrobenzene (NB)	5	10	ND	ND	ND		
4-Nitrophenol	5	10	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	5	10	ND	ND	ND		
N-Nitrosodimethylamine	5	10	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**		
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5		
Date Sampled			06/17/2014	06/17/2014	06/17/2014		
Date Prepared			06/18/2014	06/18/2014	06/18/2014		
Preparation Method			3510C	3510C	3510C		
Date Analyzed			06/20/2014	06/20/2014	06/20/2014		
Matrix			Aqueous	Aqueous	Aqueous		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
N-nitrosodiphenylamine	5	10	ND	ND	ND		
Pentachlorophenol	5	10	ND	ND	ND		
Phenanthrene	5	10	ND	ND	ND		
Phenol	5	10	ND	ND	ND		
Pyrene	5	10	ND	ND	ND		
1,2,4-Trichlorobenzene	5	10	ND	ND	ND		
2,4,5-Trichlorophenol	5	10	ND	ND	ND		
2,4,6-Trichlorophenol	5	10	ND	ND	ND		
Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
2-Fluorophenol	25-121		26.9	29.6	31.6		
2-Fluorobiphenyl	30-115		68.6	72.9	72.7		
Nitrobenzene-d5	23-120		66.5	72.7	72.2		
Phenol-d6	24-113		21.5 S6	18.0 S6	24.2		
p-Terphenyl-D14	18-137		96.7	102	103		
2,4,6-Tribromophenol	19-122		87.5	101	104		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **18**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.08**				
Client Sample I.D.			Purge Water				
Date Sampled			06/17/2014				
Date Prepared			06/18/2014				
Preparation Method			3510C				
Date Analyzed			06/20/2014				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	25	50	ND				
Acenaphthylene	25	50	ND				
Anthracene	25	50	ND				
Azobenzene	25	50	ND				
Benzidine	25	50	ND				
Benzo(a)anthracene	25	50	ND				
Benzo(a)pyrene	25	50	ND				
Benzo(b)fluoranthene	25	50	ND				
Benzo(g,h,i)perylene	25	50	ND				
Benzo(k)fluoranthene	25	50	ND				
Benzoic Acid	25	50	ND				
Benzyl Alcohol	25	50	ND				
Bis(2-Chloroethoxy)methane	25	50	ND				
Bis(2-Chloroethyl)ether	25	50	ND				
Bis(2-chloroisopropyl) ether	25	50	ND				
Bis(2-ethylhexyl) phthalate	25	50	ND				
4-Bromophenyl phenyl ether	25	50	ND				
Butyl benzyl phthalate	25	50	ND				
4-Chloro-3-methylphenol	25	50	ND				
4-Chloroaniline	25	50	ND				
2-Chloronaphthalene	25	50	ND				
2-Chlorophenol	25	50	ND				
4-Chlorophenyl phenyl ether	25	50	ND				
Chrysene	25	50	ND				
Di-n-butyl phthalate	25	50	ND				
Di-n-octyl phthalate (Dioctyl ester)	25	50	ND				
Dibenzo(a,h)anthracene	25	50	ND				
Dibenzofuran	25	50	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.08**				
Client Sample I.D.			Purge Water				
Date Sampled			06/17/2014				
Date Prepared			06/18/2014				
Preparation Method			3510C				
Date Analyzed			06/20/2014				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene	25	50	ND				
1,3-Dichlorobenzene	25	50	ND				
1,4-Dichlorobenzene	25	50	ND				
3,3'-Dichlorobenzidine	25	50	ND				
2,4-Dichlorophenol	25	50	ND				
Diethyl phthalate (Diethyl ester)	25	50	ND				
Dimethyl phthalate (Dimethyl ester)	25	50	ND				
2,4-Dimethylphenol	25	50	ND				
4,6-Dinitro-2-methylphenol	25	50	ND				
2,4-Dinitrophenol	25	50	ND				
2,4-Dinitrotoluene	25	50	ND				
2,6-Dinitrotoluene (2,6-DNT)	25	50	ND				
1,2-Diphenylhydrazine	25	50	ND				
Fluoranthene	25	50	ND				
Fluorene	25	50	ND				
Hexachlorobenzene	25	50	ND				
Hexachlorobutadiene	25	50	ND				
Hexachlorocyclopentadiene	25	50	ND				
Hexachloroethane	25	50	ND				
Indeno(1,2,3-cd)pyrene	25	50	ND				
Isophorone	25	50	ND				
2-Methylnaphthalene	25	50	ND				
4-Methylphenol	25	50	ND				
2-Methylphenol (2-Cresol)	25	50	ND				
3-Methylphenol (3-Cresol)	25	50	ND				
N-Nitroso-Di-n-propylamine	25	50	ND				
Naphthalene	25	50	ND				
2-Nitroaniline	25	50	ND				
3-Nitroaniline	25	50	ND				
4-Nitroaniline	25	50	ND				
Nitrobenzene (NB)	25	50	ND				
4-Nitrophenol	25	50	ND				
2-Nitrophenol (o-Nitrophenol)	25	50	ND				
N-Nitrosodimethylamine	25	50	ND				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1

Our Lab I.D.			**73521.08**				
Client Sample I.D.			Purge Water				
Date Sampled			06/17/2014				
Date Prepared			06/18/2014				
Preparation Method			3510C				
Date Analyzed			06/20/2014				
Matrix			Aqueous				
Units			ug/L				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
N-nitrosodiphenylamine	25	50	ND				
Pentachlorophenol	25	50	ND				
Phenanthrene	25	50	ND				
Phenol	25	50	ND				
Pyrene	25	50	ND				
1,2,4-Trichlorobenzene	25	50	ND				
2,4,5-Trichlorophenol	25	50	ND				
2,4,6-Trichlorophenol	25	50	ND				

Comment(s):
73521.08: Analyzed under dilution due to matrix interference

Our Lab I.D.			**73521.08**				
Surrogates	**%Rec.Limit**		**% Rec.**				
2-Fluorophenol	25-121		21.5 S6				
2-Fluorobiphenyl	30-115		75.1				
Nitrobenzene-d5	23-120		70.6				
Phenol-d6	24-113		17.5 S6				
p-Terphenyl-D14	18-137		97.2				
2,4,6-Tribromophenol	19-122		52.5				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0623142C1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/23/2014	06/23/2014	06/23/2014	06/23/2014	06/23/2014
Preparation Method			3005A	3005A	3005A	3005A	3005A
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	0.05	0.10	ND	ND	ND	ND	ND
Arsenic	0.05	0.10	ND	ND	ND	ND	ND
Barium	0.03	0.05	ND	ND	ND	ND	ND
Beryllium	0.01	0.05	ND	ND	ND	ND	ND
Cadmium	0.01	0.05	ND	ND	ND	ND	ND
Chromium	0.01	0.05	ND	ND	ND	ND	ND
Cobalt	0.01	0.05	ND	ND	ND	ND	ND
Copper	0.01	0.05	ND	ND	ND	ND	ND
Lead	0.05	0.10	ND	ND	ND	ND	ND
Mercury (By EPA 7470)	0.001	0.002	ND	ND	ND	ND	ND
Molybdenum	0.01	0.05	ND	0.0264J	0.0255J	0.0459J	ND
Nickel	0.01	0.05	ND	0.0132J	0.0133J	0.0120J	ND
Selenium	0.05	0.10	ND	ND	ND	ND	ND
Silver	0.01	0.05	ND	ND	ND	ND	ND
Thallium	0.05	0.10	ND	ND	ND	ND	ND
Vanadium	0.03	0.05	ND	ND	ND	ND	ND
Zinc	0.01	0.05	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 22

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0623142C1

Our Lab I.D.			73521.05	73521.06	73521.07	73521.08	
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	
Date Prepared			06/23/2014	06/23/2014	06/23/2014	06/23/2014	
Preparation Method			3005A	3005A	3005A	3005A	
Date Analyzed			06/24/2014	06/24/2014	06/24/2014	06/24/2014	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	0.05	0.10	ND	ND	ND	ND	
Arsenic	0.05	0.10	ND	ND	ND	ND	
Barium	0.03	0.05	ND	ND	ND	ND	
Beryllium	0.01	0.05	ND	ND	ND	ND	
Cadmium	0.01	0.05	ND	ND	ND	ND	
Chromium	0.01	0.05	ND	ND	ND	ND	
Cobalt	0.01	0.05	0.0410J	ND	ND	0.0113J	
Copper	0.01	0.05	ND	ND	ND	0.0122J	
Lead	0.05	0.10	ND	ND	ND	ND	
Mercury (By EPA 7470)	0.001	0.002	ND	ND	ND	ND	
Molybdenum	0.01	0.05	0.145	0.0907	0.120	0.0819	
Nickel	0.01	0.05	0.0631	ND	0.0192J	0.0405J	
Selenium	0.05	0.10	ND	ND	ND	ND	
Silver	0.01	0.05	ND	ND	ND	ND	
Thallium	0.05	0.10	ND	ND	ND	ND	
Vanadium	0.03	0.05	ND	ND	ND	ND	
Zinc	0.01	0.05	0.0761	ND	ND	0.0639	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 061814-1

Our Lab I.D.			Method Blank	**73521.01**	**73521.02**	**73521.03**	**73521.04**
Client Sample I.D.				TtMW-1	TtMW-1-D	TtMW-2	EQB
Date Sampled				06/17/2014	06/17/2014	06/17/2014	06/17/2014
Date Prepared			06/18/2014	06/18/2014	06/18/2014	06/18/2014	06/18/2014
Preparation Method			7199	7199	7199	7199	7199
Date Analyzed			06/18/2014	06/18/2014	06/18/2014	06/18/2014	06/18/2014
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	2.0	2.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 061814-1

Our Lab I.D.			**73521.05**	**73521.06**	**73521.07**	**73521.08**	
Client Sample I.D.			TtMW-3	TtMW-4	TtMW-5	Purge Water	
Date Sampled			06/17/2014	06/17/2014	06/17/2014	06/17/2014	
Date Prepared			06/18/2014	06/18/2014	06/18/2014	06/18/2014	
Preparation Method			7199	7199	7199	7199	
Date Analyzed			06/18/2014	06/18/2014	06/18/2014	06/18/2014	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Chromium (VI)	2.0	2.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **25**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0623142C1; Dup or Spiked Sample: 73521.02; LCS: Clean Water; QC Prepared: 06/23/2014; QC Analyzed: 06/24/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.950	95.4	1.00	0.980	97.6	2.28	75-125	<15
Arsenic	0.00	1.00	0.980	98.4	1.00	1.01	101	2.61	75-125	<15
Barium	0.00	1.00	0.910	91.4	1.00	0.930	92.7	1.41	75-125	<15
Beryllium	0.00	1.00	0.940	94.3	1.00	0.970	96.8	2.62	75-125	<15
Cadmium	0.00	1.00	0.870	86.9	1.00	0.890	89.0	2.39	75-125	<15
Chromium	0.00	1.00	0.890	89.4	1.00	0.910	91.2	1.99	75-125	<15
Cobalt	0.00	1.00	0.870	87.4	1.00	0.890	89.2	2.04	75-125	<15
Copper	0.00	1.00	0.970	97.2	1.00	0.990	98.5	1.33	75-125	<15
Lead	0.00	1.00	0.840	84.3	1.00	0.870	86.5	2.58	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.0100	100	0.0100	0.0100	100	<1	75-125	<15
Molybdenum	0.0250	1.00	0.950	92.2	1.00	0.970	94.6	2.57	75-125	<15
Nickel	0.0130	1.00	0.880	86.6	1.00	0.900	88.3	1.94	75-125	<15
Selenium	0.00	1.00	0.960	96.1	1.00	0.990	99.0	2.97	75-125	<15
Silver	0.00	1.00	0.700	70.4	1.00	0.720	72.3	2.66	75-125	<15
Thallium	0.00	1.00	0.830	82.7	1.00	0.850	84.6	2.27	75-125	<15
Vanadium	0.00	1.00	0.940	94.0	1.00	0.960	96.1	2.21	75-125	<15
Zinc	0.00	1.00	0.960	96.2	1.00	0.980	97.6	1.44	75-125	<15

QC Batch No: 0623142C1; Dup or Spiked Sample: 73521.02; LCS: Clean Water; QC Prepared: 06/23/2014; QC Analyzed: 06/24/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.940	94.4	1.00	0.930	93.3	1.17	75-125	<15	
Arsenic	1.00	0.960	95.6	1.00	0.950	95.4	<1	75-125	<15	
Barium	1.00	0.970	96.9	1.00	0.970	96.6	<1	75-125	<15	
Beryllium	1.00	0.990	98.9	1.00	0.980	97.9	1.02	75-125	<15	
Cadmium	1.00	0.940	93.6	1.00	0.930	93.0	<1	75-125	<15	
Chromium	1.00	0.930	92.6	1.00	0.920	92.0	<1	75-125	<15	
Cobalt	1.00	0.900	90.2	1.00	0.900	89.5	<1	75-125	<15	
Copper	1.00	0.910	90.5	1.00	0.900	90.2	<1	75-125	<15	
Lead	1.00	0.900	90.4	1.00	0.890	89.1	1.45	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 6010/7000CAM, CAM Title 22 Metals (SW-846)

QC Batch No: 0623142C1; Dup or Spiked Sample: 73521.02; LCS: Clean Water; QC Prepared: 06/23/2014; QC Analyzed: 06/24/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.0102	102	0.0100	0.0103	103	<1	75-125	<15	
Molybdenum	1.00	0.950	94.6	1.00	0.940	93.7	<1	75-125	<15	
Nickel	1.00	0.880	88.4	1.00	0.880	87.9	<1	75-125	<15	
Selenium	1.00	0.980	98.0	1.00	0.980	97.9	<1	75-125	<15	
Silver	1.00	0.940	93.9	1.00	0.940	93.6	<1	75-125	<15	
Thallium	1.00	0.910	90.7	1.00	0.910	91.0	<1	75-125	<15	
Vanadium	1.00	0.960	95.5	1.00	0.950	94.9	<1	75-125	<15	
Zinc	1.00	0.970	96.5	1.00	0.960	96.2	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 061814-1; Dup or Spiked Sample: 73521.01; LCS: Clean Water; QC Prepared: 06/18/2014; QC Analyzed: 06/18/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	5.00	4.51	90.2	5.00	4.64	92.8	2.8	85-115	<20

QC Batch No: 061814-1; Dup or Spiked Sample: 73521.01; LCS: Clean Water; QC Prepared: 06/18/2014; QC Analyzed: 06/18/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	0.927	92.7	1.00	0.992	99.2	6.8	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 28

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0624146A1; Dup or Spiked Sample: B0624146A1; LCS: Clean Water; QC Prepared: 06/24/2014; QC Analyzed: 06/24/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	50.0	100	50.0	49.6	99.2	<1	75-125	<20
Chlorobenzene	0.00	50.0	52.0	104	50.0	52.5	105	<1	75-125	<20
1,1-Dichloroethene	0.00	50.0	45.2	90.4	50.0	44.4	88.8	1.79	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	44.0	88.0	50.0	47.0	94.0	6.59	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	48.9	97.8	50.0	50.0	100	2.22	75-125	<20
Trichloroethene	0.00	50.0	51.5	103	50.0	50.5	101	1.96	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	44.7	89.4	50.0	47.0	93.9	5.03	75-125	<20
Dibromofluoromethane	0.00	50.0	40.4	80.7	50.0	42.3	84.5	4.71	75-125	<20
Toluene-d8	0.00	50.0	41.3	82.6	50.0	40.5	80.9	2.06	75-125	<20

QC Batch No: 0624146A1; Dup or Spiked Sample: B0624146A1; LCS: Clean Water; QC Prepared: 06/24/2014; QC Analyzed: 06/24/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	47.0	94.0	50.0	47.8	96.0	2.11	75-125	<20	
Chlorobenzene	50.0	49.4	98.8	50.0	50.7	101	2.20	75-125	<20	
1,1-Dichloroethene	50.0	41.7	83.4	50.0	44.1	88.0	5.37	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	43.5	87.0	50.0	47.8	96.0	9.84	75-125	<20	
Toluene (Methyl benzene)	50.0	47.8	95.6	50.0	49.4	99.0	3.49	75-125	<20	
Trichloroethene	50.0	48.0	96.0	50.0	49.0	98.0	2.06	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	46.8	93.6	50.0	49.3	99.0	5.61	75-125	<20	
Ethylbenzene	50.0	49.5	99.0	50.0	50.8	102	2.99	75-125	<20	
1,1,1-Trichloroethane	50.0	53.2	106	50.0	53.9	108	1.87	75-125	<20	
o-Xylene	50.0	47.0	94.0	50.0	48.4	97.0	3.14	75-125	<20	
m,p-Xylenes	100	96.5	96.5	100	98.9	98.9	2.46	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.3	96.5	50.0	47.2	94.4	2.18	75-125	<20	
Dibromofluoromethane	50.0	40.7	81.5	50.0	40.5	81.0	<1	75-125	<20	
Toluene-d8	50.0	40.9	81.7	50.0	39.2	78.5	3.92	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 29

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1; Dup or Spiked Sample: B061814JB1; LCS: Clean Water; QC Prepared: 06/18/2014; QC Analyzed: 06/19/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	100	83.4	83.4	100	87.0	87.0	4.23	46-118	<20
4-Chloro-3-methylphenol	0.00	200	164	82.0	200	170	85.0	3.59	39-98	<20
2-Chlorophenol	0.00	200	154	77.0	200	161	80.5	4.44	27-123	<20
1,4-Dichlorobenzene	0.00	100	68.1	68.1	100	78.7	78.7	14.4	36-97	<20
2,4-Dinitrotoluene	0.00	100	86.8	86.8	100	88.8	88.8	2.28	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	100	91.5	91.5	100	95.0	95.0	3.75	41-116	<20
4-Nitrophenol	0.00	200	77.6	38.8	200	75.9	38.0	2.08	10-80	<20
Pentachlorophenol	0.00	200	215	108	200	223	112	3.64	40-125	<20
Phenol	0.00	200	75.4	37.7	200	76.9	38.5	2.10	12-98	<20
Pyrene	0.00	100	113	113	100	117	117	3.48	26-127	<20
1,2,4-Trichlorobenzene	0.00	100	74.6	74.6	100	83.1	83.1	10.8	39-98	<20
Surrogates										
2-Fluorophenol	0.00	200	107	53.5	200	113	56.5	5.61	25-121	<20
2-Fluorobiphenyl	0.00	100	78.5	78.5	100	81.5	81.5	3.82	30-115	<20
Nitrobenzene-d5	0.00	100	81.8	81.8	100	83.4	83.4	1.96	23-120	<20
p-Terphenyl-D14	0.00	100	106	106	100	111	111	4.72	18-137	<20
Phenol-d6	0.00	200	67.1	33.6	200	70.4	35.2	4.65	24-113	<20
2,4,6-Tribromophenol	0.00	200	204	102	200	221	111	8.82	19-122	<20

QC Batch No: 061814JB1; Dup or Spiked Sample: B061814JB1; LCS: Clean Water; QC Prepared: 06/18/2014; QC Analyzed: 06/19/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	100	67.9	67.9	46-118						
4-Chloro-3-methylphenol	200	133	66.5	39-98						
2-Chlorophenol	200	120	60.0	27-123						
1,4-Dichlorobenzene	100	53.2	53.2	36-97						
2,4-Dinitrotoluene	100	70.6	70.6	24-96						
N-Nitroso-Di-n-propylamine	100	73.8	73.8	41-116						
4-Nitrophenol	200	59.5	29.8	10-80						
Pentachlorophenol	200	179	89.5	40-125						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: 8270C, Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 061814JB1; Dup or Spiked Sample: B061814JB1; LCS: Clean Water; QC Prepared: 06/18/2014; QC Analyzed: 06/19/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	200	58.3	29.2	12-98						
Pyrene	100	102	102	26-127						
1,2,4-Trichlorobenzene	100	58.4	58.4	39-98						
Surrogates										
2-Fluorophenol	200	82.9	41.5	25-121						
2-Fluorobiphenyl	100	63.5	63.5	30-115						
Nitrobenzene-d5	100	64.7	64.7	23-120						
p-Terphenyl-D14	100	96.1	96.1	18-137						
Phenol-d6	200	51.7	25.9	24-113						
2,4,6-Tribromophenol	200	172	86.0	19-122						

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **31**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 062014DB1; Dup or Spiked Sample: 0620; LCS: Clean Water; QC Prepared: 06/20/2014; QC Analyzed: 06/23/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	4.64	92.8	5.00	4.66	93.2	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.39	69.5	2.00	1.40	70.0	<1	60-125	<20

QC Batch No: 062014DB1; Dup or Spiked Sample: 0620; LCS: Clean Water; QC Prepared: 06/20/2014; QC Analyzed: 06/23/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	4.88	97.6	75-125						
Surrogates										
Chlorobenzene	2.00	1.60	80.0	60-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 32

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
73521	06/17/2014	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 062014NB2; Dup or Spiked Sample: B062014NB2; LCS: Clean Water; QC Prepared: 06/20/2014; QC Analyzed: 06/21/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.470	94.4	0.500	0.420	83.6	12.1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0618	124	0.0500	0.0534	107	14.7	75-125	<20

QC Batch No: 062014NB2; Dup or Spiked Sample: B062014NB2; LCS: Clean Water; QC Prepared: 06/20/2014; QC Analyzed: 06/21/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.470	94.2	0.500	0.430	85.6	9.57	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0564	113	0.0500	0.0516	103	8.85	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

H&P Mobile Geochemistry Inc.

25 June 2014

Mr. Clifford R. Pollock
Tetra Tech - Pasadena
3475 East Foothill Blvd.
Pasadena, CA 91107

H&P Project: TT061814-L6
Client Project: 100-PEN-T31263 / 24003 Ventura Blvd

Dear Mr. Clifford R. Pollock:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 18-Jun-14 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-1-5, 1PV, P581cc	E406069-01	Vapor	18-Jun-14	18-Jun-14
SG-1-5, 3PV, P1744cc	E406069-02	Vapor	18-Jun-14	18-Jun-14
SG-1-5, 10PV, P5812cc	E406069-03	Vapor	18-Jun-14	18-Jun-14
SG-2-5, P5812cc	E406069-04	Vapor	18-Jun-14	18-Jun-14
SG-2-5 Dup, P5862cc	E406069-05	Vapor	18-Jun-14	18-Jun-14
SG-3-5, P5812cc	E406069-06	Vapor	18-Jun-14	18-Jun-14
SG-4-5, P5812cc	E406069-07	Vapor	18-Jun-14	18-Jun-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT061814-L6	
3475 East Foothill Blvd.	Project Number: 100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	25-Jun-14 13:01

DETECTIONS SUMMARY

Sample ID: **SG-1-5, 1PV, P581cc** Laboratory ID: **E406069-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,2 Trichlorotrifluoroethane (F113)	**1.6**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SG-1-5, 3PV, P1744cc** Laboratory ID: **E406069-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,2 Trichlorotrifluoroethane (F113)	**1.7**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SG-1-5, 10PV, P5812cc** Laboratory ID: **E406069-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,2 Trichlorotrifluoroethane (F113)	**1.9**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SG-2-5, P5812cc** Laboratory ID: **E406069-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**1.5**	0.50	ug/l	H&P 8260 SV	
Trichloroethene	**27**	0.10	ug/l	H&P 8260 SV	
Tetrachloroethene	**510**	2.0	ug/l	H&P 8260 SV	
1,1,2 Trichlorotrifluoroethane (F113)	**56**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SG-2-5 Dup, P5862cc** Laboratory ID: **E406069-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**35**	2.0	ug/l	H&P 8260 SV	
Tetrachloroethene	**590**	2.0	ug/l	H&P 8260 SV	
1,1,2 Trichlorotrifluoroethane (F113)	**77**	10	ug/l	H&P 8260 SV	

Sample ID: **SG-3-5, P5812cc** Laboratory ID: **E406069-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.24**	0.10	ug/l	H&P 8260 SV	
Tetrachloroethene	**5.9**	0.10	ug/l	H&P 8260 SV	
1,1,2 Trichlorotrifluoroethane (F113)	**5.8**	0.50	ug/l	H&P 8260 SV	

Sample ID: **SG-4-5, P5812cc** Laboratory ID: **E406069-07**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Sample ID: **SG-4-5, P5812cc** Laboratory ID: **E406069-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.45**	0.10	ug/l	H&P 8260 SV	
Tetrachloroethene	**0.82**	0.10	ug/l	H&P 8260 SV	
1,1,2 Trichlorotrifluoroethane (F113)	**1.1**	0.50	ug/l	H&P 8260 SV	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 1PV, P581cc (E406069-01) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 1PV, P581cc (E406069-01) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**1.6**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 3PV, P1744cc (E406069-02) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 3PV, P1744cc (E406069-02) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**1.7**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 10PV, P5812cc (E406069-03) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5, 10PV, P5812cc (E406069-03) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**1.9**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT061814-L6	
3475 East Foothill Blvd.	Project Number: 100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5, P5812cc (E406069-04) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.5**	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**27**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**510**	2.0	"	1	"	"	"	"	
Dibromochloromethane	ND	0.50	"	0.05	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5, P5812cc (E406069-04) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**56**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5 Dup, P5862cc (E406069-05) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	10	ug/l	1	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	10	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Chloroethane	ND	10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Bromochloromethane	ND	10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Trichloroethene	**35**	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	10	"	"	"	"	"	"	
Bromodichloromethane	ND	10	"	"	"	"	"	"	
Dibromomethane	ND	10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	10	"	"	"	"	"	"	
Toluene	ND	20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	10	"	"	"	"	"	"	
Tetrachloroethene	**590**	2.0	"	"	"	"	"	"	
Dibromochloromethane	ND	10	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	10	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	10	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5 Dup, P5862cc (E406069-05) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	10	ug/l	1	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	10	"	"	"	"	"	"	
n-Propylbenzene	ND	10	"	"	"	"	"	"	
Bromobenzene	ND	10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	10	"	"	"	"	"	"	
2-Chlorotoluene	ND	10	"	"	"	"	"	"	
4-Chlorotoluene	ND	10	"	"	"	"	"	"	
tert-Butylbenzene	ND	10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	10	"	"	"	"	"	"	
sec-Butylbenzene	ND	10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
n-Butylbenzene	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**77**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-3-5, P5812cc (E406069-06) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**0.24**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**5.9**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-3-5, P5812cc (E406069-06) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**5.8**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5, P5812cc (E406069-07) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**0.45**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.82**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5, P5812cc (E406069-07) Vapor Sampled: 18-Jun-14 Received: 18-Jun-14									
Styrene	ND	0.50	ug/l	0.05	EF41804	18-Jun-14	18-Jun-14	H&P 8260 SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**1.1**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41804 - EPA 5030										
Blank (EF41804-BLK1)				Prepared & Analyzed: 18-Jun-14						
1,1-Difluoroethane (LCC)	ND	0.50	ug/l							
Dichlorodifluoromethane (F12)	ND	0.50	"							
Chloromethane	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Bromomethane	ND	0.50	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane (F11)	ND	0.50	"							
Methylene chloride (Dichloromethane)	ND	0.50	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
Bromochloromethane	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1-Dichloropropene	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane (EDC)	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Dibromomethane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
Toluene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Dibromochloromethane	ND	0.50	"							
Chlorobenzene	ND	0.10	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT061814-L6	
3475 East Foothill Blvd.	Project Number: 100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41804 - EPA 5030										
Blank (EF41804-BLK1)				Prepared & Analyzed: 18-Jun-14						
Ethylbenzene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
Styrene	ND	0.50	"							
Bromoform	ND	0.50	"							
Isopropylbenzene (Cumene)	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
n-Propylbenzene	ND	0.50	"							
Bromobenzene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
tert-Butylbenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
sec-Butylbenzene	ND	0.50	"							
p-Isopropyltoluene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
n-Butylbenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	0.50	"							
Hexachlorobutadiene	ND	0.50	"							
Naphthalene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.50	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: Toluene-d8	*2.51*		*"*	*2.50*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.27*		*"*	*2.50*		*90.6*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT061814-L6	
3475 East Foothill Blvd.	Project Number: 100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	25-Jun-14 13:01

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41804 - EPA 5030										
LCS (EF41804-BS1)				Prepared & Analyzed: 18-Jun-14						
Dichlorodifluoromethane (F12)	3.65	0.50	ug/l	5.00		73.1	70-130			
Vinyl chloride	4.34	0.05	"	5.00		86.7	70-130			
Chloroethane	4.84	0.50	"	5.00		96.8	70-130			
Trichlorofluoromethane (F11)	5.21	0.50	"	5.00		104	70-130			
Methylene chloride (Dichloromethane)	4.98	0.50	"	5.00		99.6	70-130			
trans-1,2-Dichloroethene	5.37	0.50	"	5.00		107	70-130			
1,1-Dichloroethane	5.33	0.50	"	5.00		107	70-130			
1,1-Dichloroethene	5.60	0.50	"	5.00		112	70-130			
cis-1,2-Dichloroethene	5.15	0.50	"	5.00		103	70-130			
Chloroform	5.24	0.10	"	5.00		105	70-130			
1,1,1-Trichloroethane	5.25	0.50	"	5.00		105	70-130			
Carbon tetrachloride	5.69	0.10	"	5.00		114	70-130			
1,2-Dichloroethane (EDC)	4.92	0.10	"	5.00		98.3	70-130			
Benzene	4.84	0.10	"	5.00		96.7	70-130			
Trichloroethene	5.27	0.10	"	5.00		105	70-130			
Toluene	5.09	1.0	"	5.00		102	70-130			
1,1,2-Trichloroethane	5.13	0.50	"	5.00		103	70-130			
Tetrachloroethene	5.18	0.10	"	5.00		104	70-130			
Ethylbenzene	5.13	0.50	"	5.00		103	70-130			
1,1,1,2-Tetrachloroethane	5.14	0.50	"	5.00		103	70-130			
m,p-Xylene	10.1	0.50	"	10.0		101	70-130			
o-Xylene	5.05	0.50	"	5.00		101	70-130			
1,1,2,2-Tetrachloroethane	4.61	0.50	"	5.00		92.3	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.90	0.50	"	5.00		118	70-130			
Surrogate: Dibromofluoromethane	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*"*	*2.50*		*98.6*	*75-125*			
Surrogate: Toluene-d8	*2.52*		*"*	*2.50*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.58*		*"*	*2.50*		*103*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT061814-L6	
3475 East Foothill Blvd.	Project Number:	100-PEN-T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	25-Jun-14 13:01

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 6-18-14
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Tetra Tech	Project Name / #: 100-PEN-T31263
Lab Client Project Manager: Clifford R. Pollock	Project Location: 24003 Ventura Blvd
Lab Client Address: 3475 E. Foothill Blvd Suite 300	Report E-Mail(s): cliff.pollock@tetratech.com
Lab Client City, State, Zip: Pasadena, CA 91107	
Phone Number: 626-470-2455	

Sample Receipt (Lab Use Only)

Date Rec'd: 6-18-14	Control #: 140444.00
H&P Project # TT061814-L6	
Lab Work Order # E406069/EF41804	
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp: 20
Outside Lab:	
Receipt Notes/Tracking #:	
	Lab PM Initials:

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☑ Excel EDD ☐ Other EDD:_____
☐ CA Geotracker Global ID:_____

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☑ Mobile Lab
☐ 48-Hr Rush ☐ Other:_____

Sampler Information

Sampler(s): J Tran
Signature: Josh Tran
Date: 6-18-14

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☐ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV), PV	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG-1-5, 1PV		06/18/14	0851	SV, P581cc	Glass syringe			X							X					
SG-1-5, 3PV		↓	0922	1744cc	↓			↓							↓					
SG-1-5, 10PV		↓	1008	5812cc	↓			↓							↓					
SG-2-5		↓	1105	5812cc	↓			↓							↓					
SG-2-5 Dup		↓	1149	5862cc	↓			↓							↓					
SG-3-5		↓	1155	5812cc	↓			↓							↓					
SG-4-5		↓	1258	5812cc	↓			↓							↓					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Clifford R. Pollock	Tetra Tech	6/18/14	1359	Josh Tran	H&P	6-18-14	1400
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: TT061814-L6
Site Address: 24003 Ventura Blvd
Consultant: Tetra Tech
Field Rep(s): Cliff
H&P Rep(s): J Tran

Date: 6/18/2014
Arrival Time: 800
Departure Time: 1415 DB
Overtime: Nauvm
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG-1-14		6-18		14	16	1/4"	2.25	6	2.25	12		✓		78"	Vac too high
2	SG-1-5, 1PV	109	6-18	0851	5	7						581	✓	<200	0	
3	SG-1-5, 3PV	116		0922	5	7						1744	✓	<200	0	
4	SG-1-5, 10PV	150		1008	5	7						5812	✓	200	0	20min 5sec
5	SG-2-15			~~1004~~	15	17							✓		78"	Vac too high
6	SG-3-15				↓	↓							✓		78"	Vac too high also pulled water
7	SG-4-15				↓	↓							✓		78"	"
8	SG-2-5	178		1105	5	7						5812	✓	200	0	29min 7sec
9	SG-3-5	179		1149	↓	↓						5812	✓	200	0	29min 7sec
10	~~SG-2-15~~ SG-2-5	154		1155								34	✓	<200	0	Dup Resample
11	SG-4-5 ~~Dup~~	109	↓	1258	↓	↓	↓	↓	↓	↓	↓					
12																

Purge Volume Calculation

Probe ID for PVT, if applicable:			
Tubing:	Length:	Diameter:	1 Volume:
Sand Pack (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
Dry Bentonite (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
PVT Increments:	1PV =	3PV =	10PV =
PV Amount Selected:	10 PV	*Selected by:* Cliff	

Leak Check Information

Leak Check Compound: ☑1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Hexane

Procedure: Cloth saturated with LCC is placed around probe tubing at groundlevel.

Other Notes: * 50cc vapor collected unless otherwise specified.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 28
Date Received 05/11/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76881	05/11/2015	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 1 water and 9 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 81341

AETL JOB No. 76881

Page ____ of ____

COMPANY: Tetra Tech
PROJECT MANAGER: S. Nikn
COMPANY ADDRESS: 3475 E. Foothill blvd.
PHONE:
FAX:
PROJECT NAME: Calabasa Storage
PROJECT #:
SITE NAME AND ADDRESS: Former Rantec Micro + Electronics
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOC	metals	Cr VI	TEST INSTRUCTIONS & COMMENTS
1	SG-5-2	76881.01	5-11-15	09:15	Soil	Sleev + VOA	Ice				Archive metals / crvi
2	SG-5-5	76881.02		09:40				X			"
3	SG-5-15	76881.03		09:50				X			"
4	SG-6-2	76881.04		10:55							"
5	SG-6-5	76881.05		11:00				X			"
6	SG-6-15	76881.06		11:15				X			"
7	SG-7-2	76881.07		3:15							"
8	SG-7-5	76881.08		3:20				X			"
9	SG-7-15	76881.09		3:25				X			"
10	SG-8-2	76881.10		12:30							"
11	SG-8-5	76881.11		12:40				X			"
12	SG-8-15	76881.12		12:50				X			"
13	trip blank	76881.13		—				X			"
14	EQ blank	76881.14		4:00				X			"
15											

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	67	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: J. Sandoval	Printed Name:	Printed Name: C. Robinson
Date: 5-11-15 Time: 16:10	Date: Time:	Date: 5/11/15 Time: 1725
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name: Carolina Paredes	Printed Name:	Printed Name: Jegan Claude
Date: 5/11/15 Time: 1610	Date: Time:	Date: 05/11/15 Time: 1725

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 81341

AETL JOB No. 76881

Page ____ of ____

COMPANY: Tetra Tech
PROJECT MANAGER: S. Nikh
COMPANY ADDRESS: 3475 E. Foothill blvd.
PHONE:
FAX:
PROJECT NAME: Calabasa Storage
PROJECT #:
SITE NAME AND ADDRESS: Former Rantec Micro + Electronics
PO #:

ANALYSIS REQUESTED

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOC	Metals	Cr VI	TPHc							TEST INSTRUCTIONS & COMMENTS
1	SG-5-2	76881.01	5-11-15	09:15	Soil	Sleev + VOA	Ice											Call me w/ questions
2	SG-5-5	76881.02		09:40				X										*-Added 5/14 Normal
3	SG-5-15	76881.03		09:50				X										
4	SG-6-2	76881.04		10:55														Archive metals / CrVI
5	SG-6-5	76881.05		11:00				X			*							"
6	SG-6-15	76881.06		11:15				X										"
7	SG-7-2	76881.07		3:15														"
8	SG-7-5	76881.08		3:20				X										"
9	SG-7-15	76881.09		3:25				X										"
10	SG-8-2	76881.10		12:30														"
11	SG-8-5	76881.11		12:40				X										"
12	SG-8-15	76881.12		12:50				X										"
13	trip blank	76881.13		—				X										"
14	EQ blank	76881.14		4:00				X										"
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	67	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: J. Sandoval	Printed Name:	Printed Name: E. Sandoval
Date: 5-11-15 Time: 16:10	Date: Time:	Date: 5/11/15 Time: 1725

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:	Signature:	Signature:
Printed Name: Carolyn Freeman	Printed Name:	Printed Name: Megan Claude
Date: 5/11/15 Time: 1610	Date: Time:	Date: 05/11/15 Time: 1725

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

JIM LIN

From: Sandoval, Jay [Jay.Sandoval@tetratech.com]
Sent: Thursday, May 14, 2015 2:05 PM
To: 'JIM LIN' (jiml@aetlab.com); 'cyrus@aetlab.com'
Cc: Pollock, Cliff
Subject: TPH analysis for Calabasas Project

Hi Jim,
Per our phone conversation, please add TPH (full-range) analysis to sample SG-6-5, collected on Monday, May 11, 2015. Call me if you have questions.

Thank you,
Jay

Jay Sandoval | [illegible]
[illegible] 4664
[illegible] 475 2454
[illegible] 322 1284
jay.sandoval@tetratech.com

[illegible] Tetra Tech | Pasadena Div
[illegible] Foothill Blvd. | Pasadena, CA 91107 | www.tetratech.com

[illegible] Note: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this [illegible] by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify [illegible] by replying to this message and then delete it from your system.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/11/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76881	05/11/2015	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 14 samples with the following specification on 05/11/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
76881.14	Equipment Blank	05/11/2015	Aqueous	6

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/18/2015	2	Normal	mg/L
7199	05/18/2015	2	Normal	ug/L
8260B	05/18/2015	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
76881.01	SG-5-2	05/11/2015	Soil	5
76881.04	SG-6-2	05/11/2015	Soil	5
76881.07	SG-7-2	05/11/2015	Soil	5
76881.10	SG-8-2	05/11/2015	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	05/18/2015	2	Normal	--

76881.02	SG-5-5	05/11/2015	Soil	5
76881.03	SG-5-15	05/11/2015	Soil	5
76881.06	SG-6-15	05/11/2015	Soil	5
76881.08	SG-7-5	05/11/2015	Soil	5
76881.09	SG-7-15	05/11/2015	Soil	5
76881.11	SG-8-5	05/11/2015	Soil	5
76881.12	SG-8-15	05/11/2015	Soil	5
76881.13	Trip Blank	05/11/2015	Soil	2

Method ^ Submethod	Req Date	Priority	TAT	Units
(8260B)	05/18/2015	2	Normal	ug/Kg

76881.05	SG-6-5	05/11/2015	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(8260B)	05/18/2015	2	Normal	ug/Kg
(M8015D) ^ C13-C40	05/18/2015	2	Normal	mg/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/11/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76881	05/11/2015	T/T

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

76881.05	SG-6-5	05/11/2015	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(M8015G)	05/18/2015	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			Method Blank	**76881.02**			
Client Sample I.D.				SG-5-5			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030	5035A			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			
Dichlorodifluoromethane	15	30	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			Method Blank	**76881.02**			
Client Sample I.D.				SG-5-5			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030	5035A			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	20.5J			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			Method Blank	**76881.02**			
Client Sample I.D.				SG-5-5			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030	5035A			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**76881.02**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		98.1	84.9			
Dibromofluoromethane	75-125		115	121			
Toluene-d8	75-125		97.2	95.4			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76881.03**	**76881.05**		
Client Sample I.D.				SG-5-15	SG-6-5		
Date Sampled				05/11/2015	05/11/2015		
Date Prepared			05/13/2015	05/13/2015	05/13/2015		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/14/2015	05/14/2015	05/14/2015		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76881.03**	**76881.05**		
Client Sample I.D.				SG-5-15	SG-6-5		
Date Sampled				05/11/2015	05/11/2015		
Date Prepared			05/13/2015	05/13/2015	05/13/2015		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/14/2015	05/14/2015	05/14/2015		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	136		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	108		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND		

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76881.03**	**76881.05**		
Client Sample I.D.				SG-5-15	SG-6-5		
Date Sampled				05/11/2015	05/11/2015		
Date Prepared			05/13/2015	05/13/2015	05/13/2015		
Preparation Method			5035A	5035A	5035A		
Date Analyzed			05/14/2015	05/14/2015	05/14/2015		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND		
Vinyl Acetate	25	50	ND	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND		
o-Xylene	1.0	10.0	ND	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND	ND		
Our Lab I.D.			Method Blank	**76881.03**	**76881.05**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		101	86.9	86.2		
Dibromofluoromethane	75-125		115	123	117		
Toluene-d8	75-125		98.5	96.1	95.1		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			76881.06	76881.08	76881.09	76881.11	76881.12
Client Sample I.D.			SG-6-15	SG-7-5	SG-7-15	SG-8-5	SG-8-15
Date Sampled			05/11/2015	05/11/2015	05/11/2015	05/11/2015	05/11/2015
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			76881.06	76881.08	76881.09	76881.11	76881.12
Client Sample I.D.			SG-6-15	SG-7-5	SG-7-15	SG-8-5	SG-8-15
Date Sampled			05/11/2015	05/11/2015	05/11/2015	05/11/2015	05/11/2015
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	7.96J	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	4.65J	53.0	ND	8.80J
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	33.2	17.7J	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			**76881.06**	**76881.08**	**76881.09**	**76881.11**	**76881.12**
Client Sample I.D.			SG-6-15	SG-7-5	SG-7-15	SG-8-5	SG-8-15
Date Sampled			05/11/2015	05/11/2015	05/11/2015	05/11/2015	05/11/2015
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			05/13/2015	05/13/2015	05/13/2015	05/13/2015	05/13/2015
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			**76881.06**	**76881.08**	**76881.09**	**76881.11**	**76881.12**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		103	85.7	83.7	103	101
Dibromofluoromethane	75-125		121	122	120	112	121
Toluene-d8	75-125		95.2	92.1	94.4	97.0	95.6

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			**76881.13**				
Client Sample I.D.			Trip Blank				
Date Sampled			05/11/2015				
Date Prepared			05/13/2015				
Preparation Method			5035A				
Date Analyzed			05/13/2015				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	25	50	ND				
Benzene	1.0	10.0	ND				
Bromobenzene (Phenyl bromide)	5.0	10.0	ND				
Bromochloromethane	5.0	10.0	ND				
Bromodichloromethane	5.0	10.0	ND				
Bromoform (Tribromomethane)	25	50	ND				
Bromomethane (Methyl bromide)	15	30	ND				
2-Butanone (MEK)	25	50	ND				
n-Butylbenzene	5.0	10.0	ND				
sec-Butylbenzene	5.0	10.0	ND				
tert-Butylbenzene	5.0	10.0	ND				
Carbon Disulfide	25	50	ND				
Carbon tetrachloride	5.0	10.0	ND				
Chlorobenzene	5.0	10.0	ND				
Chloroethane	15	30	ND				
2-Chloroethyl vinyl ether	50	50	ND				
Chloroform (Trichloromethane)	5.0	10.0	ND				
Chloromethane (Methyl chloride)	15	30	ND				
2-Chlorotoluene	5.0	10.0	ND				
4-Chlorotoluene	5.0	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND				
Dibromochloromethane	5.0	10.0	ND				
1,2-Dibromoethane (EDB)	5.0	10.0	ND				
Dibromomethane	5.0	10.0	ND				
1,2-Dichlorobenzene	5.0	10.0	ND				
1,3-Dichlorobenzene	5.0	10.0	ND				
1,4-Dichlorobenzene	5.0	10.0	ND				
Dichlorodifluoromethane	15	30	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			**76881.13**				
Client Sample I.D.			Trip Blank				
Date Sampled			05/11/2015				
Date Prepared			05/13/2015				
Preparation Method			5035A				
Date Analyzed			05/13/2015				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,1-Dichloroethane	5.0	10.0	ND				
1,2-Dichloroethane (EDC)	5.0	10.0	ND				
1,1-Dichloroethene	5.0	10.0	ND				
cis-1,2-Dichloroethene	5.0	10.0	ND				
trans-1,2-Dichloroethene	5.0	10.0	ND				
1,2-Dichloropropane	5.0	10.0	ND				
1,3-Dichloropropane	5.0	10.0	ND				
2,2-Dichloropropane	5.0	10.0	ND				
1,1-Dichloropropene	5.0	10.0	ND				
cis-1,3-Dichloropropene	5.0	10.0	ND				
trans-1,3-Dichloropropene	5.0	10.0	ND				
Ethylbenzene	1.0	10.0	ND				
Hexachlorobutadiene	15	30	ND				
2-Hexanone	25	50	ND				
Iodomethane	5.0	10.0	ND				
Isopropylbenzene	5.0	10.0	ND				
p-Isopropyltoluene	5.0	10.0	ND				
4-Methyl-2-pentanone (MIBK)	25	50	ND				
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND				
Methylene chloride (DCM)	25	50	ND				
Naphthalene	5.0	10.0	ND				
n-Propylbenzene	5.0	10.0	ND				
Styrene	5.0	10.0	ND				
1,1,1,2-Tetrachloroethane	5.0	10.0	ND				
1,1,2,2-Tetrachloroethane	5.0	10.0	ND				
Tetrachloroethene	2.0	10.0	ND				
Toluene (Methyl benzene)	1.0	10.0	ND				
1,2,3-Trichlorobenzene	5.0	10.0	ND				
1,2,4-Trichlorobenzene	5.0	10.0	ND				
1,1,1-Trichloroethane	5.0	10.0	ND				
1,1,2-Trichloroethane	5.0	10.0	ND				
Trichloroethene	1.5	10.0	ND				
Trichlorofluoromethane	5.0	10.0	ND				
1,2,3-Trichloropropane	5.0	10.0	ND				

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1

Our Lab I.D.			**76881.13**				
Client Sample I.D.			Trip Blank				
Date Sampled			05/11/2015				
Date Prepared			05/13/2015				
Preparation Method			5035A				
Date Analyzed			05/13/2015				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2,4-Trimethylbenzene	5.0	10.0	ND				
1,3,5-Trimethylbenzene	5.0	10.0	ND				
Vinyl Acetate	25	50	ND				
Vinyl chloride (Chloroethene)	5.0	10.0	ND				
o-Xylene	1.0	10.0	ND				
m,p-Xylenes	1.0	20.0	ND				
Our Lab I.D.			**76881.13**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		101				
Dibromofluoromethane	75-125		118				
Toluene-d8	75-125		95.6				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 051515OB1

Our Lab I.D.			Method Blank	**76881.05**			
Client Sample I.D.				SG-6-5			
Date Sampled				05/11/2015			
Date Prepared			05/15/2015	05/15/2015			
Preparation Method			5030	5035A			
Date Analyzed			05/15/2015	05/15/2015			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**76881.05**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		110	104			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 051515DB1

Our Lab I.D.			Method Blank	**76881.05**			
Client Sample I.D.				SG-6-5			
Date Sampled				05/11/2015			
Date Prepared			05/15/2015	05/15/2015			
Preparation Method			3550B	3550B			
Date Analyzed			05/18/2015	05/18/2015			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND			
Our Lab I.D.			Method Blank	**76881.05**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	75-125		118	114			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 16

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76881.14**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	10	10	ND	ND			
Benzene	0.5	1.0	ND	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND			
Bromochloromethane	0.5	1.0	ND	ND			
Bromodichloromethane	0.5	1.0	ND	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND			
2-Butanone (MEK)	5.0	5.0	ND	ND			
n-Butylbenzene	0.5	1.0	ND	ND			
sec-Butylbenzene	0.5	1.0	ND	ND			
tert-Butylbenzene	0.5	1.0	ND	ND			
Carbon Disulfide	0.5	1.0	ND	ND			
Carbon tetrachloride	0.5	1.0	ND	ND			
Chlorobenzene	0.5	1.0	ND	ND			
Chloroethane	1.5	3.0	ND	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND			
2-Chlorotoluene	0.5	1.0	ND	ND			
4-Chlorotoluene	0.5	1.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND			
Dibromochloromethane	0.5	1.0	ND	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND			
Dibromomethane	0.5	1.0	ND	ND			
1,2-Dichlorobenzene	0.5	1.0	ND	ND			
1,3-Dichlorobenzene	0.5	1.0	ND	ND			
1,4-Dichlorobenzene	0.5	1.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76881.14**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Dichlorodifluoromethane	1.5	3.0	ND	ND			
1,1-Dichloroethane	0.5	1.0	ND	ND			
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND			
1,1-Dichloroethene	0.5	1.0	ND	ND			
cis-1,2-Dichloroethene	0.5	1.0	ND	ND			
trans-1,2-Dichloroethene	0.5	1.0	ND	ND			
1,2-Dichloropropane	0.5	1.0	ND	ND			
1,3-Dichloropropane	0.5	1.0	ND	ND			
2,2-Dichloropropane	0.5	1.0	ND	ND			
1,1-Dichloropropene	0.5	1.0	ND	ND			
cis-1,3-Dichloropropene	0.5	1.0	ND	ND			
trans-1,3-Dichloropropene	0.5	1.0	ND	ND			
Ethylbenzene	0.5	1.0	ND	ND			
Hexachlorobutadiene	1.5	3.0	ND	ND			
2-Hexanone	2.5	5.0	ND	ND			
Iodomethane	0.5	1.0	ND	ND			
Isopropylbenzene	0.5	1.0	ND	ND			
p-Isopropyltoluene	0.5	1.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND			
Methylene chloride (DCM)	2.0	4.0	ND	ND			
Naphthalene	0.5	1.0	ND	ND			
n-Propylbenzene	0.5	1.0	ND	ND			
Styrene	0.5	1.0	ND	ND			
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND			
Tetrachloroethene	0.5	1.0	ND	ND			
Toluene (Methyl benzene)	0.5	1.0	ND	ND			
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND			
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND			
1,1,1-Trichloroethane	0.5	1.0	ND	ND			
1,1,2-Trichloroethane	0.5	1.0	ND	ND			
Trichloroethene	0.5	1.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76881.14**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichlorofluoromethane	0.5	1.0	ND	ND			
1,2,3-Trichloropropane	0.5	1.0	ND	ND			
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND			
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND			
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND			
Vinyl Acetate	0.5	5.0	ND	ND			
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND			
o-Xylene	0.5	1.0	ND	ND			
m,p-Xylenes	1.0	2.0	ND	ND			
Our Lab I.D.			Method Blank	**76881.14**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		113	109			
Dibromofluoromethane	75-125		97.0	105			
Toluene-d8	75-125		105	105			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 19

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2

Our Lab I.D.			Method Blank	**76881.14**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/11/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			3005A	3005A			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 051215-1

Our Lab I.D.			Method Blank	**76881.14**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/11/2015			
Date Prepared			05/12/2015	05/12/2015			
Preparation Method			7199	7199			
Date Analyzed			05/12/2015	05/12/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.972	97.2	1.00	0.975	97.5	<1	75-125	<15
Arsenic	0.00	1.00	0.980	98.0	1.00	0.978	97.8	<1	75-125	<15
Barium	0.00	1.00	0.954	95.4	1.00	0.953	95.3	<1	75-125	<15
Beryllium	0.00	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15
Cadmium	0.00	1.00	0.941	94.1	1.00	0.941	94.1	<1	75-125	<15
Chromium	0.00	1.00	0.938	93.8	1.00	0.935	93.5	<1	75-125	<15
Cobalt	0.00	1.00	0.902	90.2	1.00	0.903	90.3	<1	75-125	<15
Copper	0.00	1.00	0.962	96.2	1.00	0.964	96.4	<1	75-125	<15
Lead	0.00	1.00	0.906	90.6	1.00	0.906	90.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00969	96.9	0.0100	0.00984	98.4	1.5	75-125	<15
Molybdenum	0.00	1.00	1.02	102	1.00	1.01	101	<1	75-125	<15
Nickel	0.00	1.00	0.896	89.6	1.00	0.897	89.7	<1	75-125	<15
Selenium	0.00	1.00	0.995	99.5	1.00	0.998	99.8	<1	75-125	<15
Silver	0.00	1.00	0.968	96.8	1.00	0.969	96.9	<1	75-125	<15
Thallium	0.00	1.00	0.871	87.1	1.00	0.874	87.4	<1	75-125	<15
Vanadium	0.00	1.00	0.965	96.5	1.00	0.964	96.4	<1	75-125	<15
Zinc	0.00	1.00	0.988	98.8	1.00	0.991	99.1	<1	75-125	<15

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.965	96.5	1.00	0.973	97.3	<1	75-125	<15	
Arsenic	1.00	0.979	97.9	1.00	0.977	97.7	<1	75-125	<15	
Barium	1.00	0.955	95.5	1.00	0.952	95.2	<1	75-125	<15	
Beryllium	1.00	1.04	104	1.00	1.05	105	<1	75-125	<15	
Cadmium	1.00	0.943	94.3	1.00	0.938	93.8	<1	75-125	<15	
Chromium	1.00	0.939	93.9	1.00	0.935	93.5	<1	75-125	<15	
Cobalt	1.00	0.904	90.4	1.00	0.900	90.0	<1	75-125	<15	
Copper	1.00	0.967	96.7	1.00	0.958	95.8	<1	75-125	<15	
Lead	1.00	0.905	90.5	1.00	0.907	90.7	<1	75-125	<15	
Mercury (By EPA 7470)	0.0100	0.0101	101	0.0100	0.0100	100	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Nickel	1.00	0.899	89.9	1.00	0.893	89.3	<1	75-125	<15	
Selenium	1.00	0.987	98.7	1.00	0.997	99.7	1.01	75-125	<15	
Silver	1.00	0.974	97.4	1.00	0.965	96.5	<1	75-125	<15	
Thallium	1.00	0.870	87.0	1.00	0.875	87.5	<1	75-125	<15	
Vanadium	1.00	0.969	96.9	1.00	0.964	96.4	<1	75-125	<15	
Zinc	1.00	0.990	99.0	1.00	0.983	98.3	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 23

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 051215-1; Dup or Spiked Sample: 76881.14; LCS: Clean Water; QC Prepared: 05/12/2015; QC Analyzed: 05/12/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	1.00	1.16	116	1.00	1.09	109	6.2	85-115	<20

QC Batch No: 051215-1; Dup or Spiked Sample: 76881.14; LCS: Clean Water; QC Prepared: 05/12/2015; QC Analyzed: 05/12/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	1.11	111	1.00	1.18	118	6.1	80-120	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1; Dup or Spiked Sample: B0513151A1; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	56.5	113	50.0	52.5	105	7.34	75-125	<20
Chlorobenzene	0.00	50.0	57.0	114	50.0	55.0	110	3.57	75-125	<20
1,1-Dichloroethene	0.00	50.0	58.0	116	50.0	61.0	122	5.04	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	49.1	98.2	50.0	48.6	97.2	1.02	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	60.0	120	50.0	55.5	111	7.79	75-125	<20
Trichloroethene	0.00	50.0	62.5	125	50.0	60.5	121	3.25	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	47.9	95.8	50.0	47.3	94.5	1.36	75-125	<20
Dibromofluoromethane	0.00	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20
Toluene-d8	0.00	50.0	50.5	101	50.0	51.5	103	1.98	75-125	<20

QC Batch No: 0513151A1; Dup or Spiked Sample: B0513151A1; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	50.7	101	50.0	48.8	97.6	3.42	75-125	<20	
Chlorobenzene	50.0	54.2	108	50.0	53.6	107	<1	75-125	<20	
1,1-Dichloroethene	50.0	62.5	125	50.0	59.0	118	5.76	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.3	94.6	50.0	44.7	89.0	6.10	75-125	<20	
Toluene (Methyl benzene)	50.0	54.2	108	50.0	53.8	108	<1	75-125	<20	
Trichloroethene	50.0	58.2	116	50.0	54.8	110	5.31	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	51.6	103	50.0	49.0	98.0	4.98	75-125	<20	
Ethylbenzene	50.0	56.8	114	50.0	56.2	112	1.77	75-125	<20	
1,1,1-Trichloroethane	50.0	60.5	121	50.0	58.8	118	2.51	75-125	<20	
o-Xylene	50.0	55.2	110	50.0	55.1	110	<1	75-125	<20	
m,p-Xylenes	100	119	119	100	117	117	1.69	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.8	93.5	50.0	48.3	96.6	3.32	75-125	<20	
Dibromofluoromethane	50.0	50.7	101	50.0	49.1	98.1	2.87	75-125	<20	
Toluene-d8	50.0	51.8	104	50.0	53.2	106	1.92	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **25**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A1; Dup or Spiked Sample: 76881.12; LCS: Clean Sand; LCS Prepared: 05/13/2015; LCS Analyzed: 05/13/2015; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	41.0	82.0	50.0	40.5	81.0	1.23	75-125	<20	
Chlorobenzene	50.0	48.9	97.8	50.0	47.3	95.0	2.90	75-125	<20	
1,1-Dichloroethene	50.0	43.7	87.4	50.0	42.3	85.0	2.78	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	51.0	102	50.0	49.6	99.0	2.99	75-125	<20	
Toluene (Methyl benzene)	50.0	42.8	85.6	50.0	41.8	84.0	1.89	75-125	<20	
Trichloroethene	50.0	53.0	106	50.0	52.0	104	1.90	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	52.0	104	50.0	51.7	103	<1	75-125	<20	
Ethylbenzene	50.0	47.2	94.4	50.0	46.2	92.0	2.58	75-125	<20	
1,1,1-Trichloroethane	50.0	62.3	125	50.0	60.1	120	4.08	75-125	<20	
o-Xylene	50.0	45.0	90.0	50.0	44.1	88.0	2.25	75-125	<20	
m,p-Xylenes	100	90.8	90.8	100	88.5	88.5	2.57	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	49.3	98.7	50.0	48.4	96.8	1.93	75-125	<20	
Dibromofluoromethane	50.0	50.8	102	50.0	47.5	94.9	6.96	75-125	<20	
Toluene-d8	50.0	46.7	93.3	50.0	46.6	93.1	<1	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 26

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2; Dup or Spiked Sample: 76905.02; LCS: Clean Sand; LCS Prepared: 05/13/2015; LCS Analyzed: 05/13/2015; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	39.7	79.4	50.0	40.9	82.0	3.22	75-125	<20	
Chlorobenzene	50.0	46.2	92.4	50.0	48.4	97.0	4.86	75-125	<20	
1,1-Dichloroethene	50.0	42.6	85.2	50.0	44.0	88.0	3.23	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	48.7	97.4	50.0	51.0	102	4.61	75-125	<20	
Toluene (Methyl benzene)	50.0	40.1	80.2	50.0	41.8	84.0	4.63	75-125	<20	
Trichloroethene	50.0	50.8	102	50.0	52.5	105	2.90	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	50.2	100	50.0	52.8	106	5.83	75-125	<20	
Ethylbenzene	50.0	45.0	90.0	50.0	46.4	93.0	3.28	75-125	<20	
1,1,1-Trichloroethane	50.0	59.6	119	50.0	62.5	125	4.92	75-125	<20	
o-Xylene	50.0	42.3	84.6	50.0	45.3	91.0	7.29	75-125	<20	
m,p-Xylenes	100	84.6	84.6	100	87.8	87.8	3.71	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.2	100	50.0	49.6	99.1	<1	75-125	<20	
Dibromofluoromethane	50.0	50.3	101	50.0	51.1	102	<1	75-125	<20	
Toluene-d8	50.0	45.9	91.8	50.0	46.5	93.0	1.31	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **27**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 051515DB1; Dup or Spiked Sample: 76926.01; LCS: Clean Sand; QC Prepared: 05/15/2015; QC Analyzed: 05/18/2015; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	526	105	500	535	107	1.89	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	119	119	100	119	119	<1	75-125	<20

QC Batch No: 051515DB1; Dup or Spiked Sample: 76926.01; LCS: Clean Sand; QC Prepared: 05/15/2015; QC Analyzed: 05/18/2015; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	542	108	500	523	105	2.82	75-125	<20	
Surrogates										
Chlorobenzene	100	120	120	100	118	118	1.67	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 28

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76881	05/11/2015	T/T

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 051515OB1; Dup or Spiked Sample: 76881.05AGA; LCS: Clean Sand; QC Prepared: 05/15/2015; QC Analyzed: 05/15/2015; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	1.10	110	1.00	0.960	96.3	13.3	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0595	119	0.0500	0.0549	110	7.56	75-125	<20

QC Batch No: 051515OB1; Dup or Spiked Sample: 76881.05AGA; LCS: Clean Sand; QC Prepared: 05/15/2015; QC Analyzed: 05/15/2015; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.860	85.9	1.00	0.820	81.8	4.89	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0598	120	0.0500	0.0543	109	9.17	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Number of Pages 19
Date Received 05/12/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76905	05/12/2015	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 1 water and 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 81368

AETL JOB No. 76905

Page 1 of ___

COMPANY: Tetra tech
PROJECT MANAGER: S. Nikn
COMPANY ADDRESS: 3475 E. Foothill blvd.
PHONE:
FAX:
PROJECT NAME: Calabasas
PROJECT #:
SITE NAME AND ADDRESS: Former Raytec Micro & Elect.
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	VOC	metals	CrVI							TEST INSTRUCTIONS & COMMENTS
1	ttMW-6-2	76905.01	5-12-15	8:25	soil	8 oz jar	ice		X	X							Archive VOC
2	ttMW-6-5	76905.02	↓	9:30		8 jar + VOA	↓	X	X	X							
3	ttMW-6-10	76905.03		9:40		Sleeve + VOA											Archive all
4	ttMW-6-15	76905.04		9:50		↓											Archive all
5	ttMW-6-23	76905.05		10:10				X	X	X							
6	trip blank	76905.06		—		VOA		X									
7	EQ blank	76905.07	↓	12:30		Plastic + VOA	↓	X	X	X							
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	28	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) ___
☐ OTHER (PLEASE SPECIFY) ___

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: J. Sandoval	Printed Name:	Printed Name: Thomas Rebosa
Date: 5-12-15 Time: 12:30	Date: Time:	Date: 5-12-15 Time: 1515
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature: [signature]	Signature:	Signature:
Printed Name: Thomas Rebosa	Printed Name:	Printed Name: Antin
Date: 5-12-15 Time: 1230	Date: Time:	Date: 05/12/15 Time: 1515

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/12/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76905	05/12/2015	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 7 samples with the following specification on 05/12/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
76905.07	Equipment Blank	05/12/2015	Aqueous	6

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	05/19/2015	2	Normal	mg/L
7199	05/19/2015	2	Normal	ug/L
8260B	05/19/2015	2	Normal	ug/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
76905.01	TtMW-6-2	05/12/2015	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/19/2015	2	Normal	mg/Kg
(7199)	05/19/2015	2	Normal	mg/Kg

76905.02	TtMW-6-5	05/12/2015	Soil	5
76905.05	TtMW-6-23	05/12/2015	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	05/19/2015	2	Normal	mg/Kg
(7199)	05/19/2015	2	Normal	mg/Kg
(8260B)	05/19/2015	2	Normal	ug/Kg

76905.03	TtMW-6-10	05/12/2015	Soil	5
76905.04	TtMW-6-15	05/12/2015	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	05/19/2015	2	Normal	--

76905.06	Trip Blank	05/12/2015	Soil	2

Method ^ Submethod	Req Date	Priority	TAT	Units
(8260B)	05/19/2015	2	Normal	ug/Kg

Continued

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 05/12/2015
Date Reported 05/20/2015

Job Number	Order Date	Client
76905	05/12/2015	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 2

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0513152C3

Our Lab I.D.			Method Blank	**76905.01**	**76905.02**	**76905.05**	
Client Sample I.D.				TtMW-6-2	TtMW-6-5	TtMW-6-23	
Date Sampled				05/12/2015	05/12/2015	05/12/2015	
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			05/14/2015	05/14/2015	05/14/2015	05/14/2015	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	ND	ND	ND	ND	
Barium	2.5	5.0	ND	107	55.7	120	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	ND	11.2	7.98	17.9	
Cobalt	2.5	5.0	ND	3.83J	3.19J	3.72J	
Copper	2.5	5.0	ND	10.6	7.19	14.4	
Lead	2.5	5.0	ND	5.21	4.90J	4.88J	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	ND	15.5	7.04	23.4	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	ND	19.6	15.8	23.9	
Zinc	2.5	5.0	ND	33.6	21.8	38.7	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 3

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 051315-1

Our Lab I.D.			Method Blank	**76905.01**	**76905.02**	**76905.05**	
Client Sample I.D.				TtMW-6-2	TtMW-6-5	TtMW-6-23	
Date Sampled				05/12/2015	05/12/2015	05/12/2015	
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Preparation Method			3060A	3060A	3060A	3060A	
Date Analyzed			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Chromium (VI)	0.20	0.20	ND	ND	ND	0.260	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **4**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76905.02**	**76905.05**	**76905.06**	
Client Sample I.D.				TtMW-6-5	TtMW-6-23	Trip Blank	
Date Sampled				05/12/2015	05/12/2015	05/12/2015	
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/13/2015	05/14/2015	05/14/2015	05/14/2015	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76905.02**	**76905.05**	**76905.06**	
Client Sample I.D.				TtMW-6-5	TtMW-6-23	Trip Blank	
Date Sampled				05/12/2015	05/12/2015	05/12/2015	
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/13/2015	05/14/2015	05/14/2015	05/14/2015	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2

Our Lab I.D.			Method Blank	**76905.02**	**76905.05**	**76905.06**	
Client Sample I.D.				TtMW-6-5	TtMW-6-23	Trip Blank	
Date Sampled				05/12/2015	05/12/2015	05/12/2015	
Date Prepared			05/13/2015	05/13/2015	05/13/2015	05/13/2015	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			05/13/2015	05/14/2015	05/14/2015	05/14/2015	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**76905.02**	**76905.05**	**76905.06**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		101	97.6	101	83.6	
Dibromofluoromethane	75-125		115	118	120	120	
Toluene-d8	75-125		98.5	93.1	94.7	94.2	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **7**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76905.07**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/12/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	10	10	ND	ND			
Benzene	0.5	1.0	ND	ND			
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND			
Bromochloromethane	0.5	1.0	ND	ND			
Bromodichloromethane	0.5	1.0	ND	ND			
Bromoform (Tribromomethane)	2.5	5.0	ND	ND			
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND			
2-Butanone (MEK)	5.0	5.0	ND	ND			
n-Butylbenzene	0.5	1.0	ND	ND			
sec-Butylbenzene	0.5	1.0	ND	ND			
tert-Butylbenzene	0.5	1.0	ND	ND			
Carbon Disulfide	0.5	1.0	ND	ND			
Carbon tetrachloride	0.5	1.0	ND	ND			
Chlorobenzene	0.5	1.0	ND	ND			
Chloroethane	1.5	3.0	ND	ND			
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND			
Chloroform (Trichloromethane)	0.5	1.0	ND	ND			
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND			
2-Chlorotoluene	0.5	1.0	ND	ND			
4-Chlorotoluene	0.5	1.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND			
Dibromochloromethane	0.5	1.0	ND	ND			
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND			
Dibromomethane	0.5	1.0	ND	ND			
1,2-Dichlorobenzene	0.5	1.0	ND	ND			
1,3-Dichlorobenzene	0.5	1.0	ND	ND			
1,4-Dichlorobenzene	0.5	1.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76905.07**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/12/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Dichlorodifluoromethane	1.5	3.0	ND	ND			
1,1-Dichloroethane	0.5	1.0	ND	ND			
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND			
1,1-Dichloroethene	0.5	1.0	ND	ND			
cis-1,2-Dichloroethene	0.5	1.0	ND	ND			
trans-1,2-Dichloroethene	0.5	1.0	ND	ND			
1,2-Dichloropropane	0.5	1.0	ND	ND			
1,3-Dichloropropane	0.5	1.0	ND	ND			
2,2-Dichloropropane	0.5	1.0	ND	ND			
1,1-Dichloropropene	0.5	1.0	ND	ND			
cis-1,3-Dichloropropene	0.5	1.0	ND	ND			
trans-1,3-Dichloropropene	0.5	1.0	ND	ND			
Ethylbenzene	0.5	1.0	ND	ND			
Hexachlorobutadiene	1.5	3.0	ND	ND			
2-Hexanone	2.5	5.0	ND	ND			
Iodomethane	0.5	1.0	ND	ND			
Isopropylbenzene	0.5	1.0	ND	ND			
p-Isopropyltoluene	0.5	1.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND			
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND			
Methylene chloride (DCM)	2.0	4.0	ND	ND			
Naphthalene	0.5	1.0	ND	ND			
n-Propylbenzene	0.5	1.0	ND	ND			
Styrene	0.5	1.0	ND	ND			
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND			
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND			
Tetrachloroethene	0.5	1.0	ND	ND			
Toluene (Methyl benzene)	0.5	1.0	ND	ND			
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND			
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND			
1,1,1-Trichloroethane	0.5	1.0	ND	ND			
1,1,2-Trichloroethane	0.5	1.0	ND	ND			
Trichloroethene	0.5	1.0	ND	ND			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1

Our Lab I.D.			Method Blank	**76905.07**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/12/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			5030B	5030B			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichlorofluoromethane	0.5	1.0	ND	ND			
1,2,3-Trichloropropane	0.5	1.0	ND	ND			
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND			
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND			
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND			
Vinyl Acetate	0.5	5.0	ND	ND			
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND			
o-Xylene	0.5	1.0	ND	ND			
m,p-Xylenes	1.0	2.0	ND	ND			
Our Lab I.D.			Method Blank	**76905.07**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		113	110			
Dibromofluoromethane	75-125		97.0	98.3			
Toluene-d8	75-125		105	103			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 10

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2

Our Lab I.D.			Method Blank	**76905.07**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/12/2015			
Date Prepared			05/13/2015	05/13/2015			
Preparation Method			3005A	3005A			
Date Analyzed			05/13/2015	05/13/2015			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 051215-1

Our Lab I.D.			Method Blank	**76905.07**			
Client Sample I.D.				Equipment Blank			
Date Sampled				05/12/2015			
Date Prepared			05/12/2015	05/12/2015			
Preparation Method			7199	7199			
Date Analyzed			05/12/2015	05/12/2015			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Chromium (VI)	2.0	2.0	ND	ND			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.972	97.2	1.00	0.975	97.5	<1	75-125	<15
Arsenic	0.00	1.00	0.980	98.0	1.00	0.978	97.8	<1	75-125	<15
Barium	0.00	1.00	0.954	95.4	1.00	0.953	95.3	<1	75-125	<15
Beryllium	0.00	1.00	1.04	104	1.00	1.04	104	<1	75-125	<15
Cadmium	0.00	1.00	0.941	94.1	1.00	0.941	94.1	<1	75-125	<15
Chromium	0.00	1.00	0.938	93.8	1.00	0.935	93.5	<1	75-125	<15
Cobalt	0.00	1.00	0.902	90.2	1.00	0.903	90.3	<1	75-125	<15
Copper	0.00	1.00	0.962	96.2	1.00	0.964	96.4	<1	75-125	<15
Lead	0.00	1.00	0.906	90.6	1.00	0.906	90.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00969	96.9	0.0100	0.00984	98.4	1.5	75-125	<15
Molybdenum	0.00	1.00	1.02	102	1.00	1.01	101	<1	75-125	<15
Nickel	0.00	1.00	0.896	89.6	1.00	0.897	89.7	<1	75-125	<15
Selenium	0.00	1.00	0.995	99.5	1.00	0.998	99.8	<1	75-125	<15
Silver	0.00	1.00	0.968	96.8	1.00	0.969	96.9	<1	75-125	<15
Thallium	0.00	1.00	0.871	87.1	1.00	0.874	87.4	<1	75-125	<15
Vanadium	0.00	1.00	0.965	96.5	1.00	0.964	96.4	<1	75-125	<15
Zinc	0.00	1.00	0.988	98.8	1.00	0.991	99.1	<1	75-125	<15

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.965	96.5	1.00	0.973	97.3	<1	75-125	<15	
Arsenic	1.00	0.979	97.9	1.00	0.977	97.7	<1	75-125	<15	
Barium	1.00	0.955	95.5	1.00	0.952	95.2	<1	75-125	<15	
Beryllium	1.00	1.04	104	1.00	1.05	105	<1	75-125	<15	
Cadmium	1.00	0.943	94.3	1.00	0.938	93.8	<1	75-125	<15	
Chromium	1.00	0.939	93.9	1.00	0.935	93.5	<1	75-125	<15	
Cobalt	1.00	0.904	90.4	1.00	0.900	90.0	<1	75-125	<15	
Copper	1.00	0.967	96.7	1.00	0.958	95.8	<1	75-125	<15	
Lead	1.00	0.905	90.5	1.00	0.907	90.7	<1	75-125	<15	
Mercury (By EPA 7470)	0.0100	0.0101	101	0.0100	0.0100	100	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0513152C2; Dup or Spiked Sample: 76873.66; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	1.00	1.01	101	1.00	1.02	102	<1	75-125	<15	
Nickel	1.00	0.899	89.9	1.00	0.893	89.3	<1	75-125	<15	
Selenium	1.00	0.987	98.7	1.00	0.997	99.7	1.01	75-125	<15	
Silver	1.00	0.974	97.4	1.00	0.965	96.5	<1	75-125	<15	
Thallium	1.00	0.870	87.0	1.00	0.875	87.5	<1	75-125	<15	
Vanadium	1.00	0.969	96.9	1.00	0.964	96.4	<1	75-125	<15	
Zinc	1.00	0.990	99.0	1.00	0.983	98.3	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 051215-1; Dup or Spiked Sample: 76881.14; LCS: Clean Water; QC Prepared: 05/12/2015; QC Analyzed: 05/12/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	1.00	1.16	116	1.00	1.09	109	6.2	85-115	<20

QC Batch No: 051215-1; Dup or Spiked Sample: 76881.14; LCS: Clean Water; QC Prepared: 05/12/2015; QC Analyzed: 05/12/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	1.00	1.11	111	1.00	1.18	118	6.1	80-120	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513151A1; Dup or Spiked Sample: B0513151A1; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	56.5	113	50.0	52.5	105	7.34	75-125	<20
Chlorobenzene	0.00	50.0	57.0	114	50.0	55.0	110	3.57	75-125	<20
1,1-Dichloroethene	0.00	50.0	58.0	116	50.0	61.0	122	5.04	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	49.1	98.2	50.0	48.6	97.2	1.02	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	60.0	120	50.0	55.5	111	7.79	75-125	<20
Trichloroethene	0.00	50.0	62.5	125	50.0	60.5	121	3.25	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	47.9	95.8	50.0	47.3	94.5	1.36	75-125	<20
Dibromofluoromethane	0.00	50.0	52.0	104	50.0	51.5	103	<1	75-125	<20
Toluene-d8	0.00	50.0	50.5	101	50.0	51.5	103	1.98	75-125	<20

QC Batch No: 0513151A1; Dup or Spiked Sample: B0513151A1; LCS: Clean Water; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	50.7	101	50.0	48.8	97.6	3.42	75-125	<20	
Chlorobenzene	50.0	54.2	108	50.0	53.6	107	<1	75-125	<20	
1,1-Dichloroethene	50.0	62.5	125	50.0	59.0	118	5.76	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	47.3	94.6	50.0	44.7	89.0	6.10	75-125	<20	
Toluene (Methyl benzene)	50.0	54.2	108	50.0	53.8	108	<1	75-125	<20	
Trichloroethene	50.0	58.2	116	50.0	54.8	110	5.31	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	51.6	103	50.0	49.0	98.0	4.98	75-125	<20	
Ethylbenzene	50.0	56.8	114	50.0	56.2	112	1.77	75-125	<20	
1,1,1-Trichloroethane	50.0	60.5	121	50.0	58.8	118	2.51	75-125	<20	
o-Xylene	50.0	55.2	110	50.0	55.1	110	<1	75-125	<20	
m,p-Xylenes	100	119	119	100	117	117	1.69	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.8	93.5	50.0	48.3	96.6	3.32	75-125	<20	
Dibromofluoromethane	50.0	50.7	101	50.0	49.1	98.1	2.87	75-125	<20	
Toluene-d8	50.0	51.8	104	50.0	53.2	106	1.92	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **16**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0513152C3; Dup or Spiked Sample: 76905.01; LCS: Clean Sand; QC Prepared: 05/13/2015; QC Analyzed: 05/14/2015; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	43.3	86.6	50.0	43.0	86.0	<1	75-125	<15
Arsenic	0.00	50.0	42.2	84.4	50.0	43.7	87.4	3.49	75-125	<15
Barium	107	50.0	145	76.0	50.0	145	76.0	<1	75-125	<15
Beryllium	0.00	50.0	46.0	92.0	50.0	46.2	92.4	<1	75-125	<15
Cadmium	0.00	50.0	41.3	82.6	50.0	41.5	83.0	<1	75-125	<15
Chromium	11.2	50.0	52.7	83.0	50.0	52.9	83.4	<1	75-125	<15
Cobalt	3.83	50.0	45.7	83.7	50.0	45.5	83.3	<1	75-125	<15
Copper	10.6	50.0	53.6	86.0	50.0	53.7	86.2	<1	75-125	<15
Lead	5.21	50.0	42.6	74.8	50.0	42.0	73.6	1.62	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.441	88.2	0.500	0.440	88.0	<1	75-125	<15
Molybdenum	0.00	50.0	47.1	94.2	50.0	46.9	93.8	<1	75-125	<15
Nickel	15.5	50.0	51.2	71.4	50.0	51.5	72.0	<1	75-125	<15
Selenium	0.00	50.0	43.0	86.0	50.0	43.2	86.4	<1	75-125	<15
Silver	0.00	50.0	38.8	77.6	50.0	38.9	77.8	<1	75-125	<15
Thallium	0.00	50.0	27.4	54.8	50.0	27.1	54.2	1.10	75-125	<15
Vanadium	19.6	50.0	62.8	86.4	50.0	63.1	87.0	<1	75-125	<15
Zinc	33.6	50.0	71.5	75.8	50.0	71.8	76.4	<1	75-125	<15

QC Batch No: 0513152C3; Dup or Spiked Sample: 76905.01; LCS: Clean Sand; QC Prepared: 05/13/2015; QC Analyzed: 05/14/2015; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	48.0	96.0	50.0	47.8	95.6	<1	75-125	<15	
Arsenic	50.0	47.5	95.0	50.0	47.3	94.6	<1	75-125	<15	
Barium	50.0	47.5	95.0	50.0	47.7	95.4	<1	75-125	<15	
Beryllium	50.0	51.5	103	50.0	51.0	102	<1	75-125	<15	
Cadmium	50.0	46.5	93.0	50.0	46.7	93.4	<1	75-125	<15	
Chromium	50.0	46.4	92.8	50.0	46.7	93.4	<1	75-125	<15	
Cobalt	50.0	45.0	90.0	50.0	45.2	90.4	<1	75-125	<15	
Copper	50.0	46.5	93.0	50.0	46.7	93.4	<1	75-125	<15	
Lead	50.0	43.9	87.8	50.0	43.5	87.0	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.435	86.9	0.500	0.432	86.3	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0513152C3; Dup or Spiked Sample: 76905.01; LCS: Clean Sand; QC Prepared: 05/13/2015; QC Analyzed: 05/14/2015; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	50.5	101	50.0	50.5	101	<1	75-125	<15	
Nickel	50.0	44.6	89.2	50.0	44.8	89.6	<1	75-125	<15	
Selenium	50.0	48.5	97.0	50.0	48.2	96.4	<1	75-125	<15	
Silver	50.0	46.3	92.6	50.0	46.5	93.0	<1	75-125	<15	
Thallium	50.0	42.3	84.6	50.0	41.8	83.6	1.19	75-125	<15	
Vanadium	50.0	47.9	95.8	50.0	48.2	96.4	<1	75-125	<15	
Zinc	50.0	48.1	96.2	50.0	48.4	96.8	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: 18

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 051315-1; Dup or Spiked Sample: 76905.01; LCS: Clean Sand; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.260	104	0.250	0.260	104	<1	75-125	<20

QC Batch No: 051315-1; Dup or Spiked Sample: 76905.01; LCS: Clean Sand; QC Prepared: 05/13/2015; QC Analyzed: 05/13/2015; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	0.240	0.252	105	0.240	0.247	103	1.9	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

Fmr Rantec Micro & Electronics
24003 Ventura Blvd
Calabasas, CA 91302

Page: **19**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
76905	05/12/2015	T/T

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0513152A2; Dup or Spiked Sample: 76905.02; LCS: Clean Sand; QC Prepared: 05/13/2015;MS Analyzed: 05/14/2015; LCS Analyzed: 05/13/2015; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	33.0 M	66.0	50.0	32.6 M	65.2	1.22	75-125	<20
Chlorobenzene	0.00	50.0	36.3 M	72.6	50.0	35.3 M	70.6	2.79	75-125	<20
1,1-Dichloroethene	0.00	50.0	37.5	75.0	50.0	36.2 M	72.4	3.53	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	44.9	89.8	50.0	45.0	90.0	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	32.4 M	64.7	50.0	31.1 M	62.1	4.10	75-125	<20
Trichloroethene	0.00	50.0	43.3	86.6	50.0	42.4	84.8	2.10	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.8	97.6	50.0	49.0	98.0	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	51.5	103	50.0	45.7	91.3	11.4	75-125	<20
Toluene-d8	0.00	50.0	45.3	90.6	50.0	45.4	90.7	<1	75-125	<20

QC Batch No: 0513152A2; Dup or Spiked Sample: 76905.02; LCS: Clean Sand; QC Prepared: 05/13/2015;MS Analyzed: 05/14/2015; LCS Analyzed: 05/13/2015; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	39.7	79.4	50.0	40.9	82.0	3.22	75-125	<20	
Chlorobenzene	50.0	46.2	92.4	50.0	48.4	97.0	4.86	75-125	<20	
1,1-Dichloroethene	50.0	42.6	85.2	50.0	44.0	88.0	3.23	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	48.7	97.4	50.0	51.0	102	4.61	75-125	<20	
Toluene (Methyl benzene)	50.0	40.1	80.2	50.0	41.8	84.0	4.63	75-125	<20	
Trichloroethene	50.0	50.8	102	50.0	52.5	105	2.90	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	50.2	100	50.0	52.8	106	5.83	75-125	<20	
Ethylbenzene	50.0	45.0	90.0	50.0	46.4	93.0	3.28	75-125	<20	
1,1,1-Trichloroethane	50.0	59.6	119	50.0	62.5	125	4.92	75-125	<20	
o-Xylene	50.0	42.3	84.6	50.0	45.3	91.0	7.29	75-125	<20	
m,p-Xylenes	100	84.6	84.6	100	87.8	87.8	3.71	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.2	100	50.0	49.6	99.1	<1	75-125	<20	
Dibromofluoromethane	50.0	50.3	101	50.0	51.1	102	<1	75-125	<20	
Toluene-d8	50.0	45.9	91.8	50.0	46.5	93.0	1.31	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Number of Pages 24
Date Received 06/04/2015
Date Reported 06/11/2015

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Job Number	Order Date	Client
77186	06/04/2015	T/T

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage
Site: 24003 Ventura Blvd
Calabasas, CA 91302

Enclosed please find results of analyses of 9 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 92832

AETL JOB No. 77186

Page 1 of 1

COMPANY: Tetra Tech
PROJECT MANAGER: S. Niku
COMPANY ADDRESS: 3475 E. Foothill blvd.
PHONE:
FAX:
PROJECT NAME: Former Ranfec Microwave Syst.
PROJECT #:
SITE NAME AND ADDRESS: Calabasas storage
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH 8015	metals 6010/7000	CrVI 7199	VOC 8260	TEST INSTRUCTIONS & COMMENTS
1	TtMW-6	77186.01	6-4-15	0751	wtr	1amb. 2Pl. 5VOA	ice	X	X	X	X	ultrafiltration of metals samples
2	TtMW-3	77186.02	↓	0822	↓	↓	↓	X	X	X	X	
3	TtMW-2	77186.03		0901				X	X	X	X	
4	TtMW-4	77186.04		0946				X	X	X	X	
5	TtMW-4-D	77186.05		0956				X	X	X	X	
6	TtMW-5	77186.06		1032				X	X	X	X	
7	TtMW-1	77186.07		1117				X	X	X	X	
8	EQ blank	77186.08		1145				X	X	X	X	
9	trip blank	77186.09		–		2VOA					X	
10												
11												
12												
13												
14												
15												

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	66	PROPERLY COOLED	Y / N / NA
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature]	Signature:	Signature: [signature]
Printed Name: J. Sandoval	Printed Name:	Printed Name: Thomas Robinson
Date: 6-4-15 Time: 1230	Date: Time:	Date: 6-4-15 Time: 1345
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature: [signature]	Signature:	Signature:
Printed Name: Thomas Robinson	Printed Name:	Printed Name: Antin
Date: 6-4-15 Time: 1230	Date: Time:	Date: 06/04/15 Time: 1345

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attention: Dr. Salar Niku

Project ID: 100-PEN-T31263
Date Received 06/04/2015
Date Reported 06/11/2015

Job Number	Order Date	Client
77186	06/04/2015	T/T

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 9 samples with the following specification on 06/04/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
77186.01	TtMW-6	06/04/2015	Aqueous	8
77186.02	TtMW-3	06/04/2015	Aqueous	8
77186.03	TtMW-2	06/04/2015	Aqueous	8
77186.04	TtMW-4	06/04/2015	Aqueous	8
77186.05	TtMW-4-D	06/04/2015	Aqueous	8
77186.06	TtMW-5	06/04/2015	Aqueous	8
77186.07	TtMW-1	06/04/2015	Aqueous	8
77186.08	EQ Blank	06/04/2015	Aqueous	8

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	06/11/2015	2	Normal	mg/L
7199	06/11/2015	2	Normal	ug/L
8260B	06/11/2015	2	Normal	ug/L
M8015D ^ C13-C40	06/11/2015	2	Normal	mg/L
M8015G	06/11/2015	2	Normal	mg/L

77186.09	Trip Blank	06/04/2015	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
8260B	06/11/2015	2	Normal	ug/L

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **2**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	10	10	ND	ND	ND	ND	ND
Benzene	0.5	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	ND
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	0.5	1.0	ND	ND	0.690J	ND	ND
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	ND
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	ND
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	ND
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Chloroethane	1.5	3.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	ND
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	ND
Dibromomethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.0	ND	ND	1.16	ND	ND
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	14.4	ND	ND
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	0.740J	ND	ND
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	ND
2-Hexanone	2.5	5.0	ND	ND	ND	ND	ND
Iodomethane	0.5	1.0	ND	ND	ND	ND	ND
Isopropylbenzene	0.5	1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	ND
Naphthalene	0.5	1.0	ND	ND	ND	ND	ND
n-Propylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Styrene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	1.0	ND	ND	40.2	ND	ND
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
Trichloroethene	0.5	1.0	ND	ND	62.8	ND	0.630J
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	23.6	ND	ND
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	4.74	ND	ND
o-Xylene	0.5	1.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	2.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		118	115	113	114	116
Dibromofluoromethane	75-125		96.4	103	103	99.4	99.9
Toluene-d8	75-125		102	93.4	93.1	97.3	94.9

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 5

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			77186.05	77186.06	77186.07	77186.08	77186.09
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	Trip Blank
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	10	10	ND	ND	ND	ND	ND
Benzene	0.5	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	ND
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	ND
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	ND
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	ND
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Chloroethane	1.5	3.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	ND
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	ND
Dibromomethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			77186.05	77186.06	77186.07	77186.08	77186.09
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	Trip Blank
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	ND
Ethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	ND
2-Hexanone	2.5	5.0	ND	ND	ND	ND	ND
Iodomethane	0.5	1.0	ND	ND	ND	ND	ND
Isopropylbenzene	0.5	1.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	ND
Naphthalene	0.5	1.0	ND	ND	ND	ND	ND
n-Propylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Styrene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	ND
Trichloroethene	0.5	1.0	0.700J	ND	0.900J	ND	ND
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1

Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	**77186.09**
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	Trip Blank
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichlorotrifluoroethane (Freon-113)	0.5	1.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	ND
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	ND
o-Xylene	0.5	1.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	2.0	ND	ND	ND	ND	ND
Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	**77186.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		115	111	103	116	112
Dibromofluoromethane	75-125		100	98.9	109	99.7	98.6
Toluene-d8	75-125		96.5	95.5	83.4	97.4	95.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 8

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060715OB1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**		
Client Sample I.D.				TtMW-6	TtMW-3		
Date Sampled				06/04/2015	06/04/2015		
Date Prepared			06/07/2015	06/07/2015	06/07/2015		
Preparation Method			5030B	5030B	5030B		
Date Analyzed			06/07/2015	06/07/2015	06/07/2015		
Matrix			Aqueous	Aqueous	Aqueous		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND	ND		
Our Lab I.D.			Method Blank	**77186.01**	**77186.02**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		90.4	96.0	88.4		

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 9

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060515OB1

Our Lab I.D.			Method Blank	**77186.03**	**77186.04**	**77186.05**	
Client Sample I.D.				TtMW-2	TtMW-4	TtMW-4-D	
Date Sampled				06/04/2015	06/04/2015	06/04/2015	
Date Prepared			06/05/2015	06/05/2015	06/05/2015	06/05/2015	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/05/2015	06/05/2015	06/05/2015	06/05/2015	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	**77186.03**	**77186.04**	**77186.05**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Bromofluorobenzene	75-125		97.6	95.0	86.0	90.8	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 10

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060715OB1

Our Lab I.D.			**77186.06**	**77186.07**			
Client Sample I.D.			TtMW-5	TtMW-1			
Date Sampled			06/04/2015	06/04/2015			
Date Prepared			06/07/2015	06/07/2015			
Preparation Method			5030B	5030B			
Date Analyzed			06/07/2015	06/07/2015			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND			
Our Lab I.D.			**77186.06**	**77186.07**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		98.6	88.6			

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **11**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060515OB1

Our Lab I.D.			**77186.08**				
Client Sample I.D.			EQ Blank				
Date Sampled			06/04/2015				
Date Prepared			06/05/2015				
Preparation Method			5030B				
Date Analyzed			06/05/2015				
Matrix			Aqueous				
Units			mg/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND				
Our Lab I.D.			**77186.08**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		95.6				

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **12**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 060915DB1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Preparation Method			3510C	3510C	3510C	3510C	3510C
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	06/09/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	60-125		84.0	71.5	70.0	71.0	81.0

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **13**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 060915DB1

Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	
Date Prepared			06/09/2015	06/09/2015	06/09/2015	06/09/2015	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			06/09/2015	06/09/2015	06/09/2015	06/09/2015	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	
Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Chlorobenzene	60-125		70.0	65.0	83.0	78.5	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **14**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0605152C2

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/05/2015	06/05/2015	06/05/2015	06/05/2015	06/05/2015
Preparation Method			3005A	3005A	3005A	3005A	3005A
Date Analyzed			06/05/2015	06/05/2015	06/05/2015	06/05/2015	06/05/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	0.05	0.10	ND	ND	ND	ND	ND
Arsenic	0.05	0.10	ND	ND	ND	ND	ND
Barium	0.03	0.05	ND	ND	ND	ND	ND
Beryllium	0.01	0.05	ND	ND	ND	ND	ND
Cadmium	0.01	0.05	ND	ND	ND	ND	ND
Chromium	0.01	0.05	ND	ND	ND	ND	ND
Cobalt	0.01	0.05	ND	ND	0.0429J	ND	ND
Copper	0.01	0.05	ND	ND	ND	ND	ND
Lead	0.05	0.10	ND	ND	ND	ND	ND
Mercury (By EPA 7470)	0.001	0.002	ND	ND	ND	ND	ND
Molybdenum	0.01	0.05	ND	0.187	0.165	0.0179J	ND
Nickel	0.01	0.05	ND	0.0923	0.0486J	ND	ND
Selenium	0.05	0.10	ND	ND	ND	ND	ND
Silver	0.01	0.05	ND	ND	ND	ND	ND
Thallium	0.05	0.10	ND	ND	ND	ND	ND
Vanadium	0.03	0.05	ND	ND	ND	ND	ND
Zinc	0.01	0.05	ND	ND	0.0866	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **15**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0605152C2

Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	
Date Prepared			06/05/2015	06/05/2015	06/05/2015	06/05/2015	
Preparation Method			3005A	3005A	3005A	3005A	
Date Analyzed			06/05/2015	06/05/2015	06/05/2015	06/05/2015	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	0.05	0.10	ND	ND	ND	ND	
Arsenic	0.05	0.10	ND	ND	ND	ND	
Barium	0.03	0.05	ND	ND	ND	ND	
Beryllium	0.01	0.05	ND	ND	ND	ND	
Cadmium	0.01	0.05	ND	ND	ND	ND	
Chromium	0.01	0.05	ND	ND	ND	ND	
Cobalt	0.01	0.05	ND	ND	ND	ND	
Copper	0.01	0.05	ND	ND	ND	ND	
Lead	0.05	0.10	ND	ND	ND	ND	
Mercury (By EPA 7470)	0.001	0.002	ND	ND	ND	ND	
Molybdenum	0.01	0.05	ND	0.0905	0.0165J	ND	
Nickel	0.01	0.05	ND	0.0149J	ND	ND	
Selenium	0.05	0.10	ND	ND	ND	ND	
Silver	0.01	0.05	ND	ND	ND	ND	
Thallium	0.05	0.10	ND	ND	ND	ND	
Vanadium	0.03	0.05	ND	ND	ND	ND	
Zinc	0.01	0.05	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 16

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 060415-1

Our Lab I.D.			Method Blank	**77186.01**	**77186.02**	**77186.03**	**77186.04**
Client Sample I.D.				TtMW-6	TtMW-3	TtMW-2	TtMW-4
Date Sampled				06/04/2015	06/04/2015	06/04/2015	06/04/2015
Date Prepared			06/04/2015	06/04/2015	06/04/2015	06/04/2015	06/04/2015
Preparation Method			7199	7199	7199	7199	7199
Date Analyzed			06/04/2015	06/04/2015	06/04/2015	06/04/2015	06/04/2015
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Chromium (VI)	2.0	2.0	ND	ND	ND	ND	ND

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **17**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 060415-1

Our Lab I.D.			**77186.05**	**77186.06**	**77186.07**	**77186.08**	
Client Sample I.D.			TtMW-4-D	TtMW-5	TtMW-1	EQ Blank	
Date Sampled			06/04/2015	06/04/2015	06/04/2015	06/04/2015	
Date Prepared			06/04/2015	06/04/2015	06/04/2015	06/04/2015	
Preparation Method			7199	7199	7199	7199	
Date Analyzed			06/04/2015	06/04/2015	06/04/2015	06/04/2015	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Chromium (VI)	2.0	2.0	ND	ND	ND	ND	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **18**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0605152C2; Dup or Spiked Sample: 77165.05; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	1.00	0.940	94.0	1.00	0.938	93.8	<1	75-125	<15
Arsenic	0.00	1.00	0.916	91.6	1.00	0.912	91.2	<1	75-125	<15
Barium	0.201	1.00	1.09	88.9	1.00	1.08	87.9	1.13	75-125	<15
Beryllium	0.00	1.00	0.989	98.9	1.00	0.985	98.5	<1	75-125	<15
Cadmium	0.00	1.00	0.872	87.2	1.00	0.872	87.2	<1	75-125	<15
Chromium	0.0140	1.00	0.880	86.6	1.00	0.879	86.5	<1	75-125	<15
Cobalt	0.00	1.00	0.855	85.5	1.00	0.854	85.4	<1	75-125	<15
Copper	0.00	1.00	0.953	95.3	1.00	0.954	95.4	<1	75-125	<15
Lead	0.00	1.00	0.838	83.8	1.00	0.836	83.6	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00914	91.4	0.0100	0.00975	97.5	6.5	75-125	<15
Molybdenum	0.00	1.00	0.954	95.4	1.00	0.953	95.3	<1	75-125	<15
Nickel	0.00	1.00	0.850	85.0	1.00	0.847	84.7	<1	75-125	<15
Selenium	0.00	1.00	0.979	97.9	1.00	0.974	97.4	<1	75-125	<15
Silver	0.00	1.00	0.915	91.5	1.00	0.915	91.5	<1	75-125	<15
Thallium	0.00	1.00	0.778	77.8	1.00	0.775	77.5	<1	75-125	<15
Vanadium	0.00	1.00	0.922	92.2	1.00	0.921	92.1	<1	75-125	<15
Zinc	0.00	1.00	0.993	99.3	1.00	0.993	99.3	<1	75-125	<15

QC Batch No: 0605152C2; Dup or Spiked Sample: 77165.05; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.967	96.7	1.00	0.965	96.5	<1	75-125	<15	
Arsenic	1.00	0.955	95.5	1.00	0.953	95.3	<1	75-125	<15	
Barium	1.00	0.951	95.1	1.00	0.939	93.9	1.27	75-125	<15	
Beryllium	1.00	1.03	103	1.00	1.04	104	<1	75-125	<15	
Cadmium	1.00	0.934	93.4	1.00	0.922	92.2	1.29	75-125	<15	
Chromium	1.00	0.937	93.7	1.00	0.925	92.5	1.29	75-125	<15	
Cobalt	1.00	0.900	90.0	1.00	0.889	88.9	1.23	75-125	<15	
Copper	1.00	0.968	96.8	1.00	0.953	95.3	1.56	75-125	<15	
Lead	1.00	0.893	89.3	1.00	0.885	88.5	<1	75-125	<15	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0605152C2; Dup or Spiked Sample: 77165.05; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7470)	0.0100	0.00984	98.4	0.0100	0.0100	100	1.6	75-125	<15	
Molybdenum	1.00	1.01	101	1.00	1.01	101	<1	75-125	<15	
Nickel	1.00	0.896	89.6	1.00	0.885	88.5	1.24	75-125	<15	
Selenium	1.00	0.983	98.3	1.00	0.993	99.3	1.01	75-125	<15	
Silver	1.00	0.963	96.3	1.00	0.950	95.0	1.36	75-125	<15	
Thallium	1.00	0.852	85.2	1.00	0.842	84.2	1.18	75-125	<15	
Vanadium	1.00	0.967	96.7	1.00	0.952	95.2	1.56	75-125	<15	
Zinc	1.00	1.01	101	1.00	1.00	100	<1	75-125	<15	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: 20

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 7199, Chromium Hexavalent by Ion Chromatography

QC Batch No: 060415-1; Dup or Spiked Sample: 77186.01; LCS: Clean Water; QC Prepared: 06/04/2015; QC Analyzed: 06/04/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	10.0	10.5	105	10.0	10.6	106	<1	85-115	<20

QC Batch No: 060415-1; Dup or Spiked Sample: 77186.01; LCS: Clean Water; QC Prepared: 06/04/2015; QC Analyzed: 06/04/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Chromium (VI)	10.0	10.6	106	10.0	10.4	104	1.9	80-120	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **21**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0609156A1; Dup or Spiked Sample: B0609156A1; LCS: Clean Water; QC Prepared: 06/09/2015; QC Analyzed: 06/09/2015; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	51.5	103	50.0	50.5	101	1.96	75-125	<20
Chlorobenzene	0.00	50.0	43.2	86.4	50.0	42.2	84.4	2.34	75-125	<20
1,1-Dichloroethene	0.00	50.0	48.0	96.0	50.0	47.5	95.0	1.05	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	60.5	121	50.0	57.5	115	5.08	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	43.7	87.4	50.0	43.2	86.4	1.15	75-125	<20
Trichloroethene	0.00	50.0	54.0	108	50.0	59.5	119	9.69	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.1	90.1	50.0	46.2	92.3	2.44	75-125	<20
Dibromofluoromethane	0.00	50.0	50.0	100	50.0	49.4	98.8	1.20	75-125	<20
Toluene-d8	0.00	50.0	45.1	90.1	50.0	46.0	92.0	2.11	75-125	<20

QC Batch No: 0609156A1; Dup or Spiked Sample: B0609156A1; LCS: Clean Water; QC Prepared: 06/09/2015; QC Analyzed: 06/09/2015; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	49.7	99.4	50.0	50.2	100	<1	75-125	<20	
Chlorobenzene	50.0	44.4	88.8	50.0	45.4	91.0	2.45	75-125	<20	
1,1-Dichloroethene	50.0	46.9	93.8	50.0	47.2	94.0	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	55.8	112	50.0	60.5	121	7.73	75-125	<20	
Toluene (Methyl benzene)	50.0	44.7	89.4	50.0	45.6	91.0	1.77	75-125	<20	
Trichloroethene	50.0	45.5	91.0	50.0	51.5	103	12.4	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	52.2	104	50.0	52.6	105	<1	75-125	<20	
Ethylbenzene	50.0	44.3	88.6	50.0	45.0	90.0	1.57	75-125	<20	
1,1,1-Trichloroethane	50.0	48.9	97.8	50.0	49.3	99.0	1.22	75-125	<20	
o-Xylene	50.0	43.7	87.4	50.0	44.6	89.0	1.81	75-125	<20	
m,p-Xylenes	100	85.5	85.5	100	87.7	87.7	2.54	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.3	92.7	50.0	45.6	91.3	1.51	75-125	<20	
Dibromofluoromethane	50.0	48.2	96.3	50.0	47.6	95.2	1.14	75-125	<20	
Toluene-d8	50.0	47.5	94.9	50.0	48.0	95.9	1.05	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **22**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 060915DB1; Dup or Spiked Sample: 0609; LCS: Clean Water; QC Prepared: 06/09/2015; QC Analyzed: 06/09/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	4.94	98.8	5.00	5.00	100	1.21	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.78	89.0	2.00	1.88	94.0	5.62	60-125	<20

QC Batch No: 060915DB1; Dup or Spiked Sample: 0609; LCS: Clean Water; QC Prepared: 06/09/2015; QC Analyzed: 06/09/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.11	102	75-125						
Surrogates										
Chlorobenzene	2.00	2.04	102	60-125						

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **23**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060515OB1; Dup or Spiked Sample: B060515OB1; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.530	106	0.500	0.530	107	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0389	77.8	0.0500	0.0439	87.8	12.9	75-125	<20

QC Batch No: 060515OB1; Dup or Spiked Sample: B060515OB1; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.600	120	0.500	0.520	104	14.3	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0417	83.4	0.0500	0.0422	84.4	1.20	75-125	<20	

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Tetra Tech, Inc.
3475 East Foothill Boulevard
Pasadena, CA 91107-6024

Telephone: (626)351-4664
Attn: Dr. Salar Niku

Site

24003 Ventura Blvd
Calabasas, CA 91302

Page: **24**

Project ID: 100-PEN-T31263
Project Name: Calabasas Storage

AETL Job Number	Submitted	Client
77186	06/04/2015	T/T

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 060715OB1; Dup or Spiked Sample: B060715OB1; LCS: Clean Water; QC Prepared: 06/07/2015; QC Analyzed: 06/07/2015; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.500	99.4	0.500	0.500	99.8	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0418	83.6	0.0500	0.0388	77.6	7.18	75-125	<20

QC Batch No: 060715OB1; Dup or Spiked Sample: B060715OB1; LCS: Clean Water; QC Prepared: 06/07/2015; QC Analyzed: 06/07/2015; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.510	103	0.500	0.530	106	2.87	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0407	81.4	0.0500	0.0395	79.0	2.95	75-125	<20	

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

H&P Mobile Geochemistry Inc.

08 June 2015

Mr. Clifford R. Pollock
Tetra Tech - Pasadena
3475 East Foothill Blvd.
Pasadena, CA 91107

H&P Project: TT060315-SB1
Client Project: T31263 / 24003 Ventura Blvd

Dear Mr. Clifford R. Pollock:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 03-Jun-15 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT060315-SB1	
3475 East Foothill Blvd.	Project Number:	T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	08-Jun-15 13:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-5-5', 1PV	E506011-01	Vapor	03-Jun-15	03-Jun-15
SG-5-5', 3PV	E506011-02	Vapor	03-Jun-15	03-Jun-15
SG-5-5', 10PV	E506011-03	Vapor	03-Jun-15	03-Jun-15
SG-6-5'	E506011-04	Vapor	03-Jun-15	03-Jun-15
SG-2-5'	E506011-05	Vapor	03-Jun-15	03-Jun-15
SG-1-5'	E506011-06	Vapor	03-Jun-15	03-Jun-15
SG-8-5'	E506011-07	Vapor	03-Jun-15	03-Jun-15
SG-8-15'	E506011-08	Vapor	03-Jun-15	03-Jun-15
SG-3-5'	E506011-09	Vapor	03-Jun-15	03-Jun-15
SG-7-5'	E506011-10	Vapor	03-Jun-15	03-Jun-15
SG-4-5'	E506011-11	Vapor	03-Jun-15	03-Jun-15
SG-4-5' Rep	E506011-12	Vapor	03-Jun-15	03-Jun-15

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT060315-SB1	
3475 East Foothill Blvd.	Project Number:	T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	08-Jun-15 13:48

DETECTIONS SUMMARY

Sample ID: **SG-5-5', 1PV** Laboratory ID: **E506011-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**15**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**170**	1.0	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**62**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-5-5', 3PV** Laboratory ID: **E506011-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**15**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**180**	0.20	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**69**	1.0	ug/l	H&P 8260SV	

Sample ID: **SG-5-5', 10PV** Laboratory ID: **E506011-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**16**	0.40	ug/l	H&P 8260SV	
Tetrachloroethene	**220**	0.40	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**72**	2.0	ug/l	H&P 8260SV	

Sample ID: **SG-6-5'** Laboratory ID: **E506011-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**65**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**39**	0.20	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**22**	1.0	ug/l	H&P 8260SV	

Sample ID: **SG-2-5'** Laboratory ID: **E506011-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**0.20**	0.10	ug/l	H&P 8260SV	
Trichloroethene	**6.8**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**190**	0.40	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**5.3**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-1-5'** Laboratory ID: **E506011-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.24**	0.10	ug/l	H&P 8260SV	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Sample ID: **SG-1-5'** Laboratory ID: **E506011-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.18**	0.10	ug/l	H&P 8260SV	

Sample ID: **SG-8-5'** Laboratory ID: **E506011-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.30**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**6.1**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**10**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-8-15'** Laboratory ID: **E506011-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.30**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**13**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**37**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-3-5'** Laboratory ID: **E506011-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**5.1**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**5.3**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-7-5'** Laboratory ID: **E506011-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**0.21**	0.05	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**0.67**	0.50	ug/l	H&P 8260SV	
Trichloroethene	**4.0**	0.10	ug/l	H&P 8260SV	
Tetrachloroethene	**1.6**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**23**	0.50	ug/l	H&P 8260SV	

Sample ID: **SG-4-5'** Laboratory ID: **E506011-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.21**	0.10	ug/l	H&P 8260SV	

Sample ID: **SG-4-5' Rep** Laboratory ID: **E506011-12**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT060315-SB1	
3475 East Foothill Blvd.	Project Number:	T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	08-Jun-15 13:48

Sample ID: **SG-4-5' Rep** Laboratory ID: **E506011-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.18**	0.10	ug/l	H&P 8260SV	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 1PV (E506011-01) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**15**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**170**	1.0	"	0.5	"	"	"	"	
Dibromochloromethane	ND	0.50	"	0.05	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 1PV (E506011-01) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**62**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 3PV (E506011-02) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	1.0	ug/l	0.1	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.20	"	"	"	"	"	"	
Benzene	ND	0.20	"	"	"	"	"	"	
Trichloroethene	**15**	0.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**180**	0.20	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.20	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 3PV (E506011-02) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	1.0	ug/l	0.1	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	0.20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**69**	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 10PV (E506011-03) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	2.0	ug/l	0.2	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.20	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	2.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	0.40	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.40	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.40	"	"	"	"	"	"	
Benzene	ND	0.40	"	"	"	"	"	"	
Trichloroethene	**16**	0.40	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	**220**	0.40	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.40	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	2.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', 10PV (E506011-03) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	2.0	ug/l	0.2	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	20	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**72**	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*98.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-6-5' (E506011-04) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	1.0	ug/l	0.1	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.20	"	"	"	"	"	"	
Benzene	ND	0.20	"	"	"	"	"	"	
Trichloroethene	**65**	0.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**39**	0.20	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.20	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-6-5' (E506011-04) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	1.0	ug/l	0.1	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	0.20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**22**	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.7 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5' (E506011-05) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	**0.20**	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**6.8**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**190**	0.40	"	0.2	"	"	"	"	
Dibromochloromethane	ND	0.50	"	0.05	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5' (E506011-05) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**5.3**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5' (E506011-06) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**0.24**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.18**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5' (E506011-06) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5' (E506011-07) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**0.30**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**6.1**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5' (E506011-07) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**10**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-15' (E506011-08) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**0.30**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**13**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-15' (E506011-08) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**37**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-3-5' (E506011-09) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**5.1**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-3-5' (E506011-09) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**5.3**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-7-5' (E506011-10) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	**0.21**	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**0.67**	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	**4.0**	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**1.6**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-7-5' (E506011-10) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**23**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5' (E506011-11) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.21**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5' (E506011-11) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5' Rep (E506011-12) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.18**	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5' Rep (E506011-12) Vapor Sampled: 03-Jun-15 Received: 03-Jun-15									
Styrene	ND	0.50	ug/l	0.05	EF50302	03-Jun-15	03-Jun-15	H&P 8260SV	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project:	TT060315-SB1	
3475 East Foothill Blvd.	Project Number:	T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager:	Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF50302 - EPA 5030										
Blank (EF50302-BLK1)				Prepared & Analyzed: 03-Jun-15						
1,1-Difluoroethane (LCC)	ND	0.50	ug/l							
Dichlorodifluoromethane (F12)	ND	0.50	"							
Chloromethane	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Bromomethane	ND	0.50	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane (F11)	ND	0.50	"							
Methylene chloride (Dichloromethane)	ND	0.50	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
2,2-Dichloropropane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
Bromochloromethane	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1-Dichloropropene	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane (EDC)	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.50	"							
Bromodichloromethane	ND	0.50	"							
Dibromomethane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
Toluene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,3-Dichloropropane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Dibromochloromethane	ND	0.50	"							
Chlorobenzene	ND	0.10	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF50302 - EPA 5030										
Blank (EF50302-BLK1)				Prepared & Analyzed: 03-Jun-15						
Ethylbenzene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
Styrene	ND	0.50	"							
Bromoform	ND	0.50	"							
Isopropylbenzene (Cumene)	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
n-Propylbenzene	ND	0.50	"							
Bromobenzene	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
2-Chlorotoluene	ND	0.50	"							
4-Chlorotoluene	ND	0.50	"							
tert-Butylbenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
sec-Butylbenzene	ND	0.50	"							
p-Isopropyltoluene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
n-Butylbenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	0.50	"							
Hexachlorobutadiene	ND	0.50	"							
Naphthalene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.50	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.68*		*"*	*2.50*		*107*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		*"*	*2.50*		*93.6*	*75-125*			
Surrogate: Toluene-d8	*2.46*		*"*	*2.50*		*98.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.79*		*"*	*2.50*		*111*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF50302 - EPA 5030										
LCS (EF50302-BS1)				Prepared & Analyzed: 03-Jun-15						
Dichlorodifluoromethane (F12)	3.90	0.50	ug/l	5.00		78.0	70-130			
Vinyl chloride	5.30	0.05	"	5.00		106	70-130			
Chloroethane	5.35	0.50	"	5.00		107	70-130			
Trichlorofluoromethane (F11)	5.27	0.50	"	5.00		105	70-130			
Methylene chloride (Dichloromethane)	4.02	0.50	"	5.00		80.3	70-130			
trans-1,2-Dichloroethene	5.02	0.50	"	5.00		100	70-130			
1,1-Dichloroethane	5.09	0.50	"	5.00		102	70-130			
1,1-Dichloroethene	5.22	0.50	"	5.00		104	70-130			
cis-1,2-Dichloroethene	5.33	0.50	"	5.00		107	70-130			
Chloroform	5.03	0.10	"	5.00		101	70-130			
1,1,1-Trichloroethane	4.69	0.50	"	5.00		93.9	70-130			
Carbon tetrachloride	5.13	0.10	"	5.00		103	70-130			
1,2-Dichloroethane (EDC)	5.45	0.10	"	5.00		109	70-130			
Benzene	5.03	0.10	"	5.00		101	70-130			
Trichloroethene	4.96	0.10	"	5.00		99.3	70-130			
Toluene	4.60	1.0	"	5.00		92.1	70-130			
1,1,2-Trichloroethane	5.14	0.50	"	5.00		103	70-130			
Tetrachloroethene	5.54	0.10	"	5.00		111	70-130			
Ethylbenzene	5.39	0.50	"	5.00		108	70-130			
1,1,1,2-Tetrachloroethane	5.61	0.50	"	5.00		112	70-130			
m,p-Xylene	10.3	0.50	"	10.0		103	70-130			
o-Xylene	5.19	0.50	"	5.00		104	70-130			
1,1,2,2-Tetrachloroethane	4.96	0.50	"	5.00		99.2	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.84	0.50	"	5.00		117	70-130			
Surrogate: Dibromofluoromethane	*2.86*		*"*	*2.50*		*114*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: Toluene-d8	*2.61*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.57*		*"*	*2.50*		*103*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Tetra Tech - Pasadena	Project: TT060315-SB1	
3475 East Foothill Blvd.	Project Number: T31263 / 24003 Ventura Blvd	Reported:
Pasadena, CA 91107	Project Manager: Mr. Clifford R. Pollock	08-Jun-15 13:48

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L11-175.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 6-3-15
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Tetra Tech, Inc.	Project Name / #: T31263
Lab Client Project Manager: Clifford R. Pollock	Project Location: 24003 Ventura Blvd, Calabasas
Lab Client Address: 3475 E. Foothill Blvd., Ste. 300	Report E-Mail(s): cliff.pollock@tetratech.com Jay.Sandoval@
Lab Client City, State, Zip: Pasadena, CA. 91107	
Phone Number: 626-470-2455	

Sample Receipt (Lab Use Only)

Date Rec'd: 6-3-15	Control #: 150441.00/.01
H&P Project #: TT060315-SB1	
Lab Work Order #: E506011 / EF50302	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
	Lab PM Initials:

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD:_____
☐ CA Geotracker Global ID:_____

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other:____

Sampler Information

Sampler(s): C. Smith SM
Signature: Cheuta Smith
Date: 6-3-15

Additional Instructions to Laboratory:

☒ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☒ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

	SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
1	SG-5-5', 1PV		06/03/15	0829	SV	Glass Syringe			X							X					
2	SG-5-5', 3PV		↓	0852	↓	↓			X							X					
3	SG-5-5', 10PV			0928					X							X					
4	SG-6-5',			1028					X							X					
5	SG-2-5'			1110					X							X					
6	SG-1-5'			1146					X							X					
7	SG-8-5'			1302					X							X					
8	SG-8-15'			1304					X							X					
9	SG-3-5'			1323					X							X					
10	SG-7-5'		↓	1345	↓	↓			X							X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	Tetra tech	June 3, 2015	16:00	Cheuta Smith	H&P Mobile	6-3-15	401pm
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 6-3-15

Lab Client and Project Information

Lab Client/Consultant: Tetra Tech, Inc.	Project Name / #: T31263
Lab Client Project Manager: Clifford R. Pollock	Project Location: 24003 Ventura Blvd., Calabasas
Lab Client Address: 3475 E. Foothill Blvd. Ste. 300	Report E-Mail(s): cliff.pollock@ Jay.Sandoval@ tetratech.com
Lab Client City, State, Zip: Pasadena, CA. 91107	
Phone Number: 626-710-3806	

Sample Receipt (Lab Use Only)

Date Rec'd: 6-3-15	Control #: 150441.001.01
H&P Project # TT06D315-SB1	
Lab Work Order # E506011 / EF50302	
Sample Intact: [X] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

[X] Standard Report [ ] Level III [ ] Level IV
[X] Excel EDD [ ] Other EDD:_____
[ ] CA Geotracker Global ID:_____

Turnaround Time

[ ] 5-7 day Stnd [ ] 24-Hr Rush
[ ] 3-day Rush [X] Mobile Lab
[ ] 48-Hr Rush [ ] Other:____

Sampler Information

Sampler(s): C. Smith
Signature: [signature]
Date: 6-3-15

Additional Instructions to Laboratory:

[X] Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

[X] µg/L [ ] µg/m³ [ ] ppbv [ ] ppmv

	SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [X] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
11	SG-4-5'		06/03/15	1500	SV	Glass Syringe			X							X					
12	SG-4-5' Rep		↓	1501	↓	↓			X							X					

Approved/Relinquished by: [signature]	Company: Tetra Tech	Date: 6-3-15	Time: 16:00	Received by: [signature]	Company: H&P Mobile	Date: 6-3-15	Time: 4:01pm
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Standard RL Vapor (µg/L)*
Dichlorodifluoromethane (F12)	75-71-8	0.5
Chloromethane	74-87-3	0.5
Vinyl chloride	75-01-4	0.05
Bromomethane	74-83-9	0.5
Chloroethane	75-00-3	0.5
Trichlorofluoromethane (F11)	75-69-4	0.5
1,1-Dichloroethene	75-35-4	0.5
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.5
Methylene chloride (Dichloromethane)	75-09-2	0.5
Methyl tertiary-butyl ether (MTBE)	1634-04-4	0.5
trans-1,2-Dichloroethene	156-60-5	0.5
1,1-Dichloroethane	75-34-3	0.5
2,2-Dichloropropane	594-20-7	0.5
cis-1,2-Dichloroethene	156-59-2	0.5
Bromochloromethane	74-97-5	0.5
Chloroform	67-66-3	0.1
1,1,1-Trichloroethane	71-55-6	0.5
1,1-Dichloropropene	563-58-6	0.5
Carbon tetrachloride	56-23-5	0.1
1,2-Dichloroethane (EDC)	107-06-2	0.1
Benzene	71-43-2	0.1
Trichloroethene	79-01-6	0.1
1,2-Dichloropropane	78-87-5	0.5
Dibromomethane	74-95-3	0.5
Bromodichloromethane	75-27-4	0.5
cis-1,3-Dichloropropene	10061-01-5	0.5
Toluene	108-88-3	1
trans-1,3-Dichloropropene	10061-02-6	0.5
1,1,2-Trichloroethane	79-00-5	0.5
1,3-Dichloropropane	142-28-9	0.5
Tetrachloroethene	127-18-4	0.1
Dibromochloromethane	124-48-1	0.5
1,2-Dibromoethane (EDB)	106-93-4	0.5
Chlorobenzene	108-90-7	0.1
1,1,1,2-Tetrachloroethane	630-20-6	0.5
Ethylbenzene	100-41-4	0.5
m,p-Xylene	179601-23-1	0.5
o-Xylene	95-47-6	0.5
Styrene	100-42-5	0.5
Bromoform	75-25-2	0.5
Isopropylbenzene (Cumene)	98-82-8	0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5
n-Propylbenzene	103-65-1	0.5
1,2,3-Trichloropropane	96-18-4	0.5
Bromobenzene	108-86-1	0.5

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Standard RL Vapor (µg/L)*
2-Chlorotoluene	95-49-8	0.5
1,3,5-Trimethylbenzene	108-67-8	0.5
4-Chlorotoluene	106-43-4	0.5
tert-Butylbenzene	98-06-6	0.5
1,2,4-Trimethylbenzene	95-63-6	0.5
sec-Butylbenzene	135-98-8	0.5
p-Isopropyltoluene	99-87-6	0.5
1,3-Dichlorobenzene	541-73-1	0.5
1,4-Dichlorobenzene	106-46-7	0.5
n-Butylbenzene	104-51-8	0.5
1,2-Dichlorobenzene	95-50-1	0.5
1,2-Dibromo-3-chloropropane	96-12-8	5
1,2,4-Trichlorobenzene	120-82-1	0.5
Hexachlorobutadiene	87-68-3	0.5
Naphthalene	91-20-3	0.1
1,2,3-Trichlorobenzene	87-61-6	0.5
Leak Check Compound		
1,1-Difluoroethane (LCC)	75-37-6	0.5

H&P Mobile Geochemistry Inc.

FMS004
Revision: 2
Revised: 12/4/14
Effective: 1/1/15
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: TT060315-SB1 / Tech
Date: 6/3/15
Site Address: 24003 Ventura Blvd Calabasas
Page: 1 of 2
Consultant: Tetra Tech
H&P Rep(s): C. Smith
S. Mayfield
Consultant Rep(s): J. Sandoval

Reviewed: DB
Scanned: Jw

Purge Volume Calculation

PVT Probe ID, if applicable:	SG-5-5
Tubing:	Length: 6' Diameter: 1/4" 1 Volume: 29
Sand Pack:	Height: 18" Diameter: 8.25" 1 Volume: 6307
Dry Bentonite:	Height: 12" Diameter: 8.25" 1 Volume: 5256
PVT Increments:	1 PV = 11592 3 PV = 34776 10 PV = 115921
PV Amount Selected:	10PV Selected by: Jay - TT

Sample Volume

☒ 50cc Glass Syringe ☐ 100cc Glass Syringe ☐ Other_____

Leak Check Compound

☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other_____

A cloth saturated with LCC is placed around tubing connections and at the probe seal. This is done prior to every soil vapor sample collected unless otherwise noted in the field notes below.

	Sample Information				Probe Specs							Collection Information				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Ht (in.)	Sand Pack Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Purge Vol (mL)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Vacuum ("Hg) H_2O	Field Notes
1	SG-5-5-PVT1	185	6/3	0829	5'	6'	1/4"	18"	8.25"	12"	8.25"	11592	✓	<200	Ø	Pump 2'19" @ 54/m
2	SG-5-5-PVT3	205		0852	5'	6'						34776	✓	<200	Ø	P 4'38"
3	SG-5-5-PVT10	201		0928	5'	6'						115921	✓	<200	Ø	P 16'13"
4	SG-5-15 No sample	46		—	15'	16'						116405	✓	<200	100"+	P 23'17" ★
5	SG-6-5	202		1028	5'	6'						115921	✓	<200	Ø	P 23'11"
6	SG-6-15 No sample	127		—	15'	16'						116405	✓	<200	—	H_2O 23'17" ★
7	SG-2-5	194		1110	5	6						115921	✓	<200	Ø	P 23'11"
8	SG-2-15 No sample	—		—	15	16						116405	✓	<200	—	H_2O ★
9	SG-1-5	46		1146	5	6						115921	✓	<200	Ø	P 23'11"
10	SG-8-5	185		1302	5	6						115921	✓	<200	Ø	P 23'11"
11	SG-8-15	205		1304	15	16						116405	✓	<200	Ø	P 23'17"
12	SG-3-5	204		1323	5	6						115921	✓	<200	100"+	P 23'11" ★

Site Notes (e.g. weather, visitors, scope deviations, health & safety issues, etc.):

★SG-5-15 = Vaccum too high, no flow. Vac didn't dissapate.

★SG-6-15 = Lots of H_2O in probes

SG-2

★SG-2-5 = Valve was open when well box lid was taken off.

★SG-3-5 = Very low flow. Per Jay, Purged out 2500 ml (at first 100" H_2O point reached, Vac dissapated very slowly) Then sampled

H&P Mobile Geochemistry Inc.

FMS004
Revision: 2
Revised: 12/4/14
Effective: 1/1/15
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: TT060315-SB1/Tech
Date: 6/3/15
Site Address: 24003 Ventura Blvd
Page: 2 of 2
Consultant: Tetra Tech
H&P Rep(s): C. Smith
Consultant Rep(s): J. Sandoval
S. Mayfield
Reviewed: MB
Scanned: JW

Purge Volume Calculation

PVT Probe ID, if applicable:	SG-5-5		
Tubing:	Length:	Diameter:	1 Volume:
Sand Pack:	Height:	Diameter:	1 Volume:
Dry Bentonite:	Height:	Diameter:	1 Volume:
PVT Increments:	___PV =	___PV=	___PV =
PV Amount Selected:	10PV	Selected by: J. Sandoval	

Sample Volume

☒ 50cc Glass Syringe ☐ 100cc Glass Syringe ☐ Other_____

Leak Check Compound

☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other_____

A cloth saturated with LCC is placed around tubing connections and at the probe seal. This is done prior to every soil vapor sample collected unless otherwise noted in the field notes below.

	Sample Information				Probe Specs							Collection Information				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Ht (in.)	Sand Pack Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Purge Vol (mL)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Vacuum ("Hg)	Field Notes
1	SG-3-15 NO SAMPLE	—	6/3	—	15'	16'	1/4"	18"	8.25"	12"	8.25"	116405	✓	<200	—	* H_2O in probe
2	SG-7-5	165	↓	1345	5	6	↓	↓	↓	↓	↓	115921	✓	<200	100"+	Pump 23'11" ★
3	SG-7-5-Rep NO REP	164	↓	—	5	6	↓	↓	↓	↓	↓	115971	✓	<200	"	" No Rep
4	SG-4-5	185	↓	1500	5	6	↓	↓	↓	↓	↓	115921	✓	<200	100"+	P 23'11"
5	SG-4-5-Rep	202	↓	1501	5	6	↓	↓	↓	↓	↓	115971	✓	<200	"	P ★
6																
7																
8																
9																
10																
11																
12																

Site Notes (e.g. weather, visitors, scope deviations, health & safety issues, etc.):

SG-3-15 = H_2O in probe
SG-7-5 = Purged out 5820ml from probe, then 100° H_2O. Spoke to Jay, decided to pull sample
★ SG-4-5 = Low flow, only purged 2500ml, per Jay

APPENDIX D

Vapor Intrusion Analysis

APPENDIX D

VAPOR INTRUSION ANALYSIS

FOR CALABASAS STORAGE SITE

The volatile chemicals of potential concern in soil gas at the Calabasas Storage Site can potentially migrate to indoor air. For this evaluation, model-predicted relationships between soil gas, concentrations and predicted concentrations in indoor air were used to generate site-specific soil gas risk-based screening levels (RBSLs) protective of residential and commercial exposure scenarios.

The definition of volatile chemicals and sources that were modeled is presented in Section D-1. Migration of volatile organic compounds (VOCs) from soil gas to indoor air was evaluated using the Johnson and Ettinger indoor air model (USEPA 2004), and is presented in Section D.2.

D.1 Chemical and Source Definition for Fate and Transport Modeling

Volatile chemicals in soil gas selected for modeling met both of the following criteria [USEPA 1996]:

- Molecular weight < 200 g/mol
- Henry's law constant ≥ 1 x 10^{-5} atm-m^3/mol

All volatile chemicals detected in soil gas were evaluated in the fate and transport modeling.

D.2 Volatile Emissions from Soil Gas to Indoor Air

Residential and commercial receptors were assumed to be exposed to chemicals of potential concern (COPCs) in soil gas as a result of indoor vapor intrusion from subsurface soil gas. These inhalation exposures were evaluated in accordance with U.S. EPA (2009) guidance for evaluating inhalation exposure. Site-specific risk-based screening levels for soil gas were calculated for the inhalation exposure pathway using a combination of site-specific soil gas attenuation factors and Department of Toxic Substances Control (DTSC)/United States Environmental Protection Agency (USEPA) recommended commercial/industrial air screening levels.

As recommended in the Cal/EPA vapor intrusion guidance (Cal/EPA 2011) the Johnson and Ettinger (J&E) spreadsheets developed by USEPA (2004) were used to estimate site-specific attenuation factors (AFs) for volatile emissions from vadose zone soil gas into indoor air. The model is based on both convective and diffusive mechanisms of vapor transport for estimating the transport of chemical vapors emanating from subsurface soil gas into indoor spaces. The Johnson and Ettinger model assumes that vapors from the underlying soil gas will migrate vertically upward and enter buildings through gaps and openings at seams between the subgrade walls and concrete slabs (or foundations).

For this evaluation, six volatile chemicals detected in soil gas were evaluated using site-specific modeling. These chemicals consist of chloroform, cis-1,2-dichloroethene, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, and 1,1,2-trichloro-1,2,2-trichloroethane (Freon 113)..

Inputs to the model include chemical properties of the soil gas COPCs included in the Johnson and Ettinger model spreadsheets, soil properties, and structural properties of the building. Default residential and commercial building dimensions (Cal/EPA 2011) were used to evaluate soil gas at the Site. For this evaluation, default soil parameter data corresponding to silt loam from the Johnson and Ettinger model

were used in conjunction with the presence of engineered fill. DTSC recommended default parameters were used to represent the engineered fill layers. The modeling parameters are summarized in Table D-1, and the resulting soil gas attenuation factors are presented in Table D-2.

As described in the report, site-specific RBSLs for soil gas were calculated using the modeled AFs in conjunction with DTSC/USEPA recommended residential and commercial air screening levels. The site-specific residential and commercial soil gas attenuation factors and resulting soil gas RBSLs developed for the Site are summarized in Tables D-3 and D-4, respectively. As indicated in Tables D-3 and D-4, the carcinogenic soil gas RBSLs for residents are based on a target risk of 1×10^{-5} the carcinogenic RBSLs for commercial workers are based on a target risk of 1×10^{-5}. The non-cancer RBSLs for residential and commercial workers are based on a target hazard quotient of 1.

D3 References

California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA), 2011. Final. *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance).* October.

U.S. Environmental Protection Agency (USEPA), 1996. Soil Screening Guidance: User's Guide. Office of Solid Waste and Emergency Response. EPA/540/R-95/018. Updated in 2002 (OSWER 9355 4-24 December 2002).

U.S. Environmental Protection Agency (USEPA). 2004. User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings. Available on-line at http://www.epa.gov/oswer/riskassessment/airmodel/johnson_ettinger.htm

U.S. Environmental Protection Agency (USEPA). 2009. Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment). Office of Superfund Remediation and Technology Innovation. EPA-540-R-070-002, OSWER 9285.7-82. January 2009.

Table D-1
Vapor Intrusion Modeling Parameters for Soil Gas

Parameter	Value	Units	Notes
Source Zone Parameters			
Soil Gas to Indoor Air			
Depth to soil gas source[a]	0 to 5	ft	Site-specific soil vapor sampling depth.
Soil Parameters			
Soil/groundwater temperature	24	C	Default value (CalEPA 2011)
USCS soil type in Horizon A	Sand	--	J&E: Upper layer of default engineered fill (CalEPA 2005)
Thickness	19	cm	J&E: Default for sand layer of engineered fill (CalEPA 2005)
Bulk density	1.66	g/cm^3	J&E: Default for sand layer of engineered fill (CalEPA 2005)
Total porosity	0.375	unitless	J&E: Default for sand layer of engineered fill (CalEPA 2005)
Water content	0.054	unitless	J&E: Default for sand layer of engineered fill (CalEPA 2005)
USCS soil type in Horizon B	Engineered Fill	--	J&E: Lower layer of default engineered fill (CalEPA 2005)
Thickness	30	cm	J&E: Default for lower layer of engineered fill (CalEPA 2005)
Bulk density	1.80	g/cm^3	J&E: Default for lower layer of engineered fill (CalEPA 2005)
Total porosity	0.30	unitless	J&E: Default for lower layer of engineered fill (CalEPA 2005)
Water content	0.15	unitless	J&E: Default for lower layer of engineered fill (CalEPA 2005)
Soil Horizon C	--	--	
5 Foot Depth Interval (Soil Gas)			
Thickness	49 to 152.4	cm	Based on site-specific sampling depth of 5 feet bgs and presence of engineered fill from 0 to 49 cm.
Bulk density	1.49	g/cm^3	J&E: Default for silt loam
Total porosity	0.439	unitless	J&E: Default for silt loam
Water content	0.18	unitless	J&E: Default for silt loam
Surface Barrier Parameters - Indoor Air Scenarios			
Depth to bottom of foundation	0.5	ft	Default value (CalEPA 2011)
Foundation crack ratio	0.005	unitless	Default value (CalEPA 2011)
Average vapor flow rate into building	5	L/min	Default value (CalEPA 2011)
Foundation thickness	0.33	ft	Default value (CalEPA 2011)
Air Dispersion Parameters			
Commercial Indoor Air			
Air exchange rate	1	per/hour	Default value (CalEPA 2011)
Length of building	33	ft	Default value (CalEPA 2011)
Width of building	33	ft	Default value (CalEPA 2011)
Mixing height of building	8	ft	Default value (CalEPA 2011)
Residential Indoor Air			
Air exchange rate	0.5	per/hour	Default value (CalEPA 2011)
Length of building	33	ft	Default value (CalEPA 2011)
Width of building	33	ft	Default value (CalEPA 2011)
Mixing height of building	8	ft	Default value (CalEPA 2011)

Notes:

C = Celsius
cm = centimeter
ft = feet
g = grams
L = liters
min = minute
USCS = Unified Soil Classification System

Sources:

California Environmental Protection Agency (CalEPA). 2005. *Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil*. Department of Toxic Substances Control. January.

California Environmental Protection Agency (CalEPA). 2011. *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)*. Department of Toxic Substances Control. October.

Table D-2
Estimated Soil Gas-to-Indoor Air Attenuation Factors -
Indoor Commercial/Industrial Worker and Potential Future Resident[a]

Chemical	Soil Gas-to-Indoor Air Attenuation Factors ($\mu g/m^3$) / ($\mu g/m^3$)	
	Indoor Commercial Worker	Future Resident
	Sampling Depth (feet bgs)	Sampling Depth (feet bgs)
	5 Feet	5 Feet
Chloroform	3.37E-04	6.73E-04
cis-1,2-Dichloroethene	2.59E-04	5.18E-04
PCE	2.54E-04	5.09E-04
TCE	2.74E-04	5.47E-04
Vinyl chloride	3.41E-04	6.82E-04
Freon 113	2.71E-04	5.42E-04

Notes:

($\mu g/m^3$)/($\mu g/m^3$) = (micrograms per cubic meter) per (micrograms per cubic meter)

[a] Calculated using the Johnson and Ettinger Model.

Table D-3
Residential Soil Vapor Screening Levels, µg/L

Chemical	Residential Air Screening Level[1]			Site-Specific Residential Soil Gas Attenuation Factor[3] (unitless)	Site-Specific Residential Soil Gas Screening Level[4]	
	Cancer[2] (µg/m^3)	Noncancer (µg/m^3)	Note		Cancer[2] (µg/L)	Noncancer (µg/L)
Chloroform	0.12	100	b,b	6.73E-04	0.18	149
cis-1,2-Dichloroethene	----	8.3	a	5.18E-04	----	16
PCE	0.48	37	a,a	5.09E-04	0.94	73
TCE	0.48	2.1	b,b	5.47E-04	0.88	3.8
Vinyl chloride	0.0095	100	a, b	6.82E-04	0.014	147
Freon 113	----	31,000	b	5.42E-04	----	57,217

Notes:

1 - Listed screening levels are USEPA Region 9 Air RSLs (USEPA 2015) or DTSC-Modified Air Screening Levels as recommended by DTSC HHRA Note 3 (DTSC 2015).

2 - Screening levels for the cancer endpoint are based on a target risk of 1 x 10^{-6}.

3 - Listed value is the site-specific soil gas attenuation factor for a future residential building calculated using paramters in Table D-1.

4 - Soil gas screening levels are derived by dividing the residential air RSLs by the site-specific attenuation factor and multiplying by a unit conversion factor of 0.001 to convert from ug/m^3 to ug/L.

a = DTSC-modified air screening level

b = USEPA regional air screening level

µg/m^3 = micrograms per cubic meter

µg/L = micrograms per liter

PCE = tetrachloroethene

TCE = trichloroethene

Table D-4
Commercial Soil Vapor Screening Levels, µg/L

Chemical	Industrial Air Creening Level[1]			Site-Specific Commercial Soil Gas Attenuation Factor[3] (unitless)	Site-Specific Commercial Soil Gas Screening Level[4]	
	Cancer[2] (µg/m^3)	Noncancer (µg/m^3)	Note		Cancer[2] (µg/L)	Noncancer (µg/L)
Chloroform	5.3	430	b,b	3.37E-04	16	1,278
cis-1,2-Dichloroethene	----	35	a	2.59E-04	----	135
PCE	21	150	a,a	2.54E-04	83	590
TCE	30	8.8	b,b	2.74E-04	110	32
Vinyl chloride	1.6	440	a, b	3.41E-04	4.7	1,290
Freon 113	----	130,000	b	2.71E-04	----	479,886

Notes:

1 - Listed screening levels are USEPA Region 9 Air RSLs (USEPA 2015) or DTSC-Modified Air Screening Levels as recommended by DTSC HHRA Note 3 (DTSC 2015).

2 - Screening levels for the cancer endpoint are based on a target risk of 1 x 10^{-5}.

3 - Listed value is the site-specific soil gas attenuation factor for a future commercial building calculated using paramters in Table D-1.

4 - Soil gas screening levels are derived by dividing the commercial air RSLs by the site-specific attenuation factor and multiplying by a unit conversion factor of 0.001 to convert from ug/m^3 to ug/L.

a = DTSC-modified air screening level

b = USEPA regional air screening level

µg/m^3 = micrograms per cubic meter

µg/L = micrograms per liter

PCE = tetrachloroethene

TCE = trichloroethene