# INFORMATION HANDOUT

**For Contract No. 07-3P7004**
**At 07-LA-L5724**

**Identified by**
**Project ID 0712000437**

## MATERIALS INFORMATION

Summary of Foundation Recommendation Reports

Portion of Asbestos Report

Site Investigation Report

# M e m o r a n d u m

*Flex your power!*
*Be energy efficient!*

**To:** MR. SEAN SAMUEL
Branch Chief, Structural Design Section 2
Office of Transportation Architecture

**Date:** May 9, 2014
**File:** 07-VEN-L5724
0712000437

Attention: Carlos Sanchez

Ojai Maintenance Station

**From:** **DEPARTMENT OF TRANSPORTATION**
**DIVISION OF ENGINEERING SERVICES**
**Geotechnical Services**
**Office of Geotechnical Design – South 1**
**Branch D**

**Subject:** Foundation Report for Ojai Maintenance Station Equipment Building

## INTRODUCTION

As requested by Office of Transportation Architecture (OTA) in a memorandum dated November 26, 2013, the office of Geotechnical Design South 1 (ODGS1) has prepared this Foundation Report for the proposed Equipment Building located at Ojai Maintenance Station, Venture County.

## SCOPE OF WORK

Tasks completed by OGDS1, Branch D included the following:

1. Review of pertinent information to the project area.
2. Field reconnaissance, drilling, logging, and sampling of two hollow-stem auger borings.
3. Laboratory testing of selected samples to characterize the subsurface materials.
4. Review of the regional geology and seismicity.
5. Foundation recommendations and construction considerations.

## PROJECT DESCRIPTION

The proposed Equipment Building will be located just north of existing Storage Building replacing existing building, currently not in use. The proposed building will be a one story structure approximately 30 feet wide and 60 feet long, and will accommodate equipment washing and associated facilities as shown in Sheet Nos. A0-1, A0-2, A1-0, A-1.1, and A1-2, prepared by OTA, undated.

As indicated in OTA request, proposed building will be made of pre-engineered frame building founded on 4- foot square, isolated footings with an applied maximum footing pressure of 2000 psf under service conditions.

## FIELD INVESTIGATION AND TESTING PROGRAM

The field investigation consisted of drilling two 6-inch diameter, hollow-stem auger borings to a maximum depth of 59 feet below the ground surface (bgs). The borings were drilled with a Caltrans-operated CME 75 mobile drill rig. A representative of OGDS1 logged and sampled the borings using Standard Penetration Test (SPT) and modified California Drive samplers having internal diameters of 1.4 and 2.0 inches, respectively. In general, samples were obtained at 2-2.5 foot intervals at the near-surface and 5-foot intervals below 5 feet. Both SPT and modified California samplers were driven for 1.5 feet of penetration using successive blows from a 140-lb, hammer falling for 30 inches. The efficiency of the hammer as estimated by the Foundation Testing Branch of Caltrans was noted during the exploration and is presented in the boring logs. Following drilling, sampling, and logging, the borings were backfilled with soil cuttings and capped with cement slurry.

Elevations of the borings were estimated from project plans. Both borings were drilled within the "area of work" location on the Existing Site Plan, Sheet A0-1, provided with the initial request. Borings information, including the total depth, stationing, offset and the ground surface elevations are summarized in Table 1 below.

**Table 1 – Summary of Borings**

| Boring No. | Date Drilled | Station | Offset | Elevation (ft.) | Total Depth (ft.) | Groundwater Elevation (ft) |
|---|---|---|---|---|---|---|
| A-14-001 | 3/4/14 | N/A | N/A | 769 | 59.0 | 739 |
| A-14-002 | 3/4/14 | N/A | N/A | 769 | 29.5 | 741 |

## LABORATORY TESTING PROGRAM

Selected soil samples were sent to the Department's Transportation Laboratories in Sacramento and Fontana for testing. All laboratory tests were performed in accordance with current ASTM standard procedures and California Test Methods. The summarized laboratory test data are shown in Table 2.

**Table 2 – Summary of Laboratory Tests**

| Test | Standard | No. of Tests |
|---|---|---|
| Particle Size Analysis | CTM 202, 203 | 10 |
| Plasticity Index | CTM 204 | 8 |
| Corrosion | CTM 417, 422, 643 | 2 |
| Direct Shear | ASTM D 3080 | 1 |
| Compaction Curve | ASTM D 1557 | 1 |
| Consolidation | ASTM D 2435 | 1 |

## SITE GEOLOGY AND SUBSURFACE CONDITIONS

### Regional Geology

The site is within the north-central part of the 165-mile long Ventura Basin in the Transverse Ranges geomorphic province. The Ventura Basin is characterized by an unusually thick, nearly continuous sequence of Upper Cretaceous through Quaternary sedimentary rocks, which has been deformed into a series of east-trending folds associated with thrust and reverse faults. The Tertiary formations in the Santa Ynez Mountains generally strike east-west, unlike the mostly northwest-southeast structural trends of the other provinces and mountain ranges in California. The site is approximately one mile northwest of San Antonio Creek and two miles east of the Ventura River.

### Site Subsurface Conditions

Based our recent field investigation, approximately 5-8 feet of artificial fill underlies the site. Fill material consists of stiff to hard sandy, silty clay. Below the fill material, native colluvium consisting of very thickly to massively interbedded, very stiff sandy lean clay; medium dense to very dense silty, clayey sand with gravel; and very dense silty, clayey gravel with sand was encountered to a maximum depth of 59 feet drilled.

### Groundwater

Groundwater was encountered at approximately 28-30 feet below ground surface in the borings drilled during the current investigation. The Department of Water Resources has historical data for well 04N23W11D001S, located approximately ¼ mile northwest of the site. The highest recorded groundwater elevation at this well was at 756.2 ft. mean sea level (msl) on March 30, 1993. The GeoTracker website has groundwater elevation data for monitoring wells at the subject site. The wells were measured from January, 1994 to April, 2009. The highest groundwater elevation measured was approximately 763 ft. msl on March 30, 2005 in well MW-2.

## CORROSION EVALUATION

Soil samples from Boring A-14-001 at the subject site were tested in the laboratory for corrosion potential. The test results summarized in Table 3 indicates that the soil at the site is not corrosive to foundation elements.

**Table 3 – Corrosion Testing Summary**

| Boring | Sample Depth (ft) | pH | Minimum Resistivity (ohm-cm) | Sulfate Content (ppm) | Chloride Content (ppm) |
|---|---|---|---|---|---|
| A-14-001 | 1-5 | 6.62 | 863 | Not Tested | Not Tested |
| A-14-001 | 1-3 | 6.73 | 878 | 459 | 201 |

Note: For structural elements, the Department considers a site corrosive if one or more of the following conditions exits: pH is 5.5 or less, chloride concentration is 500 ppm or greater, sulfate concentration is 2000 ppm or greater.

## SEISMICITY

### Faulting and Seismicity

The seismicity for the project was measured from the center of the proposed new structure. A $V_{s30}$ of 325 m/s (1066 ft/s) was used based on correlations with SPT data from the current investigation. The PGA for the project limits is 0.68g. The ARS curve was calculated using Caltrans ARS Online Tool V2.3.06 (2014).

The controlling faults are the USGS 5% in 50 years probabilistic data, the Mission Ridge-Arroyo Parida-Santa Ana Fault, Santa Ynez fault zone (Pacifico section), and Lion Canyon fault zone. The Mission Ridge-Arroyo Parida-Santa Ana Fault is Fault ID 271 in the Caltrans ARS On-line database. It is a normal fault dipping 70° to the north with a $M_{max}$ of 6.8. The rupture distance ($R_{rup}$) is approximately 0.6 km (0.39 miles) from the site. The Santa Ynez fault zone (Pacifico section) is Fault ID 267 in the Caltrans ARS On-line database. It is a strike-slip fault dipping 70° to the south with a $M_{max}$ of 7.2. The rupture distance ($R_{rup}$) is approximately 7.1 km (4.42 miles) from the site. The Lion Canyon fault zone is Fault ID 281 in the Caltrans ARS On-line database. It is a reverse fault dipping 45° to the south with a $M_{max}$ of 6.3. The rupture distance ($R_{rup}$) is approximately 1.9 km (1.14 miles) from the site.

The Acceleration Response Spectrum for the site was developed based on the seismic hazard analysis described above. If using Caltrans Seismic Design Criteria, Peak Ground Acceleration (PGA) for this building is 0.68g. The spectral accelerations of the design spectrum, at structure periods ranging up to 5 seconds are presented below.

**Table 4 - Faults Parameters**

| Fault Name | Fault ID | $M_{max}$ | Type | Dip Deg. | Dip Direction | $R_{rup}$ (miles) | $R_{JB}$ (miles) | $R_x$ (miles) |
|---|---|---|---|---|---|---|---|---|
| Mission Ridge-Arroyo Parida-Santa Ana | 271 | 6.8 | Normal | 70° | N | 0.39 | 0 | 0.41 |
| Sanata Ynez fault zone (Pacifico Section) | 267 | 7.2 | Strike Slip | 70° | S | 4.42 | 2.58 | 4.81 |
| Lion Canyon fault zone | 281 | 6.3 | Reverse | 45° | S | 1.16 | 1.16 | 1.16 |

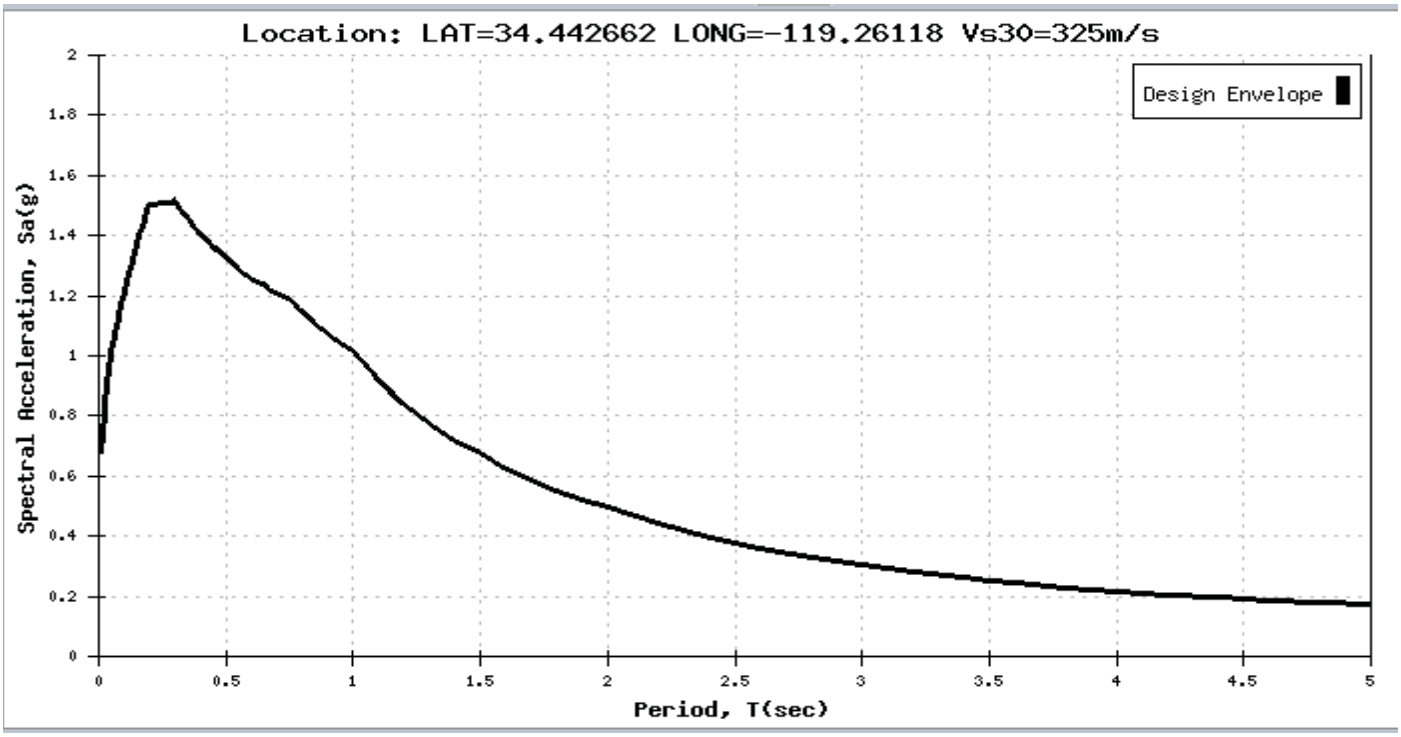


**Table 5 – Design Spectral Accelerations**

| | |
|---|---|
| 0.01 | 0.678 |
| 0.05 | 1.014 |
| 0.1 | 1.207 |
| 0.15 | 1.371 |
| 0.2 | 1.501 |
| 0.25 | 1.507 |
| 0.3 | 1.513 |
| 0.4 | 1.404 |
| 0.5 | 1.325 |
| 0.6 | 1.257 |
| 0.7 | 1.208 |

| | |
|---|---|
| 0.85 | 1.107 |
| 1 | 1.015 |
| 1.2 | 0.841 |
| 1.5 | 0.668 |
| 2 | 0.496 |
| 3 | 0.304 |
| 4 | 0.213 |
| 5 | 0.174 |

Based on Section 1613.3.1 of California Building Code (2013), Java Ground Motion Parameter Calculator v. 5.1.0 available from the USGS website was used to calculate the seismic design parameters (based on the 2009 International Building Code). The following information pertains to the site (Latitude 34.442662 and Longitude -119.26118):

Site Soil Class= D (Table 20.3-1 of ASCE 7-10)
$S_S$= 2.391g
$S_1$= 0.863g

**Potential Seismic Hazards**

Due to the lack of soil slopes in the area, the risk of seismically induced landslide or slope instability is remote.

**Surface Fault Rupture Hazard**

The project site is not located within any CGS designated Earthquake Fault Zone (EFZ) or directly underlain by any fault considered active (Davis 2003). Therefore, the possibility of surface fault rupture hazard at the site is considered low.

**Liquefaction Potential**

Liquefaction is a phenomenon in which loose, saturated, fine-grained, granular soils behave like a liquid while being subjected to high-intensity ground shaking. Based on presence of clayey material below surface, and sandy material with high blow counts below groundwater elevation, liquefaction potential for this site is considered to be low.

The 7.5-minute Matilija Quadrangle of the Seismic Hazard Zone Maps (Davis, 2003) indicates that the site is not underlain by potentially liquefiable soils.

## EXPANSION

Based on correlation with subsurface soil Plasticity Index results (PI≤10), it may be concluded that site Expansion Potential is low. In addition, on site soil will be removed and replaced and footing need not comply with design for expansive soils.

## COMPACTION

Compaction test was performed on a representative soil sample form the site. Compaction test results are presented in Table 6.

**Table 6 – Compaction Test Summary**

| Boring | Sample Depth (ft) | Optimum Moisture Content (%) | Maximum Dry Density (pcf) |
|---|---|---|---|
| A-14-002 | 5-10 | 10.0 | 128.5 |

## FOUNDATION RECOMMENDATIONS

The following foundation recommendations are based on the 1) OGDS1 current site investigation, 2) Equipment Building plans, Sheet Nos. A0-1, A0-2 and A1-0, A-1.1 and A1-2, provided OTA, undated, 3) A preliminary service footing pressure of 2000 psf, provided by OTA in a memo dated November 26, 2013.

In order to provide uniform support for the building slab and foundations, remedial grading consisting of over-excavation and backfilling is required. A minimum depth of 2 ft. should be over-excavated below bottom of the proposed building footings and floor slabs and backfilled with approved fill compacted to 95% relative compaction per CTM 216 test method. Lateral extent of over-excavation should be minimum 5 feet beyond building perimeters and to at least 5 feet beyond footing edges, where possible.

For properly constructed foundations supported on the compacted fill, an estimated static total settlement due to the proposed structural loads is estimated to be less than 1 inch. Differential static settlements between similarly loaded footings are expected to be less than 0.5 inch.

Maximum allowable bearing pressure of 2000 psf may be used in design of footings when supported on the approved compacted fill mentioned above. A one-third increase in bearing pressure may be assumed for short term duration wind or seismic loading in combination with vertical loads. Lateral resistance on the sides of footings may be computed using a passive pressure of 200 psf per foot of embedment. An ultimate friction coefficient of 0.3 may be assumed between

concrete and the supporting soils. All footings should have a minimum plan dimension of 12 inches and extend a minimum of 18 inches below exterior finish grades.

Concrete flatwork (i.e. sidewalks, curbs, and gutters) should be underlain by a minimum of 12 inches of compacted engineered soil compacted to at least 90 percent relative compaction.

Pre-moistening of soils under footings, slabs and any other concrete flatwork is required prior to placing concrete (Venture County Building Code 2013).

Provisions should be made for control of drainage and surface water around buildings. Concentrated drainage, such as rainwater from gutter and downspouts, scuppers, and roof valleys should be diverted away from foundations by means of concrete splash blocks and/or other approved devices (Venture County Building Code 2013).

Foundation damp-proofing should be provided in accordance to Section 1805.2 of California Building Code 2013.

**CONSTRUCTION CONSIDERATIONS**

1. Quality control should be practiced to ensure that bottom of the footing excavation is level and clear of any loose debris. Should any large rock/debris be found at the bottom of the footing elevations, the contractor should be prepared to remove, and replace with granular material at 95% relative compaction

2. The fill is to be constructed in accordance with Section 19 Earthwork of the Standard Specification 2010. On site soil may not be suitable for structural backfill. Imported soil should be non-expansive (Expansion Index less than 20), non-corrosive, with Sand Equivalent not less than 20.

3. Excavations of site soils should be temporarily shored or sloped in accordance with Cal OSHA requirements.

4. Caltrans Utilities should be consulted prior to commencement of earthwork relative to abandonment/relocation of the existing underground utilities within the zone of proposed construction.

For further information, contact M. Mushtaq Ahmed at 213-620-2132 or Shiva Karimi at 213-620-2146.

Prepared by: Date: 5/8/2014

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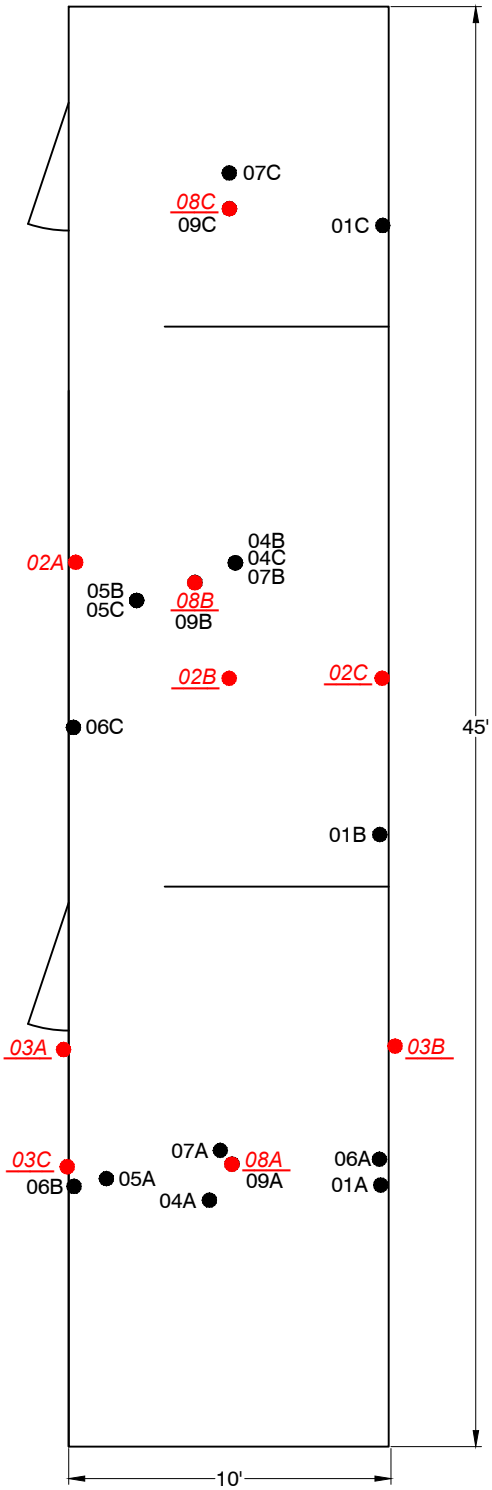
Attachment: Laboratory Test Results




OFFICE TRAILER

LEGEND:

01A ● NON ASBESTOS-CONTAINING MATERIAL

02A ● ASBESTOS-CONTAINING MATERIAL

KEY:

01 SEALANT (BLACK)
02 SEALANT (BLACK, PATCH)
03 SEALANT (WHITE/CREAM)
04 INSULATION (YELLOW)
05 INSULATION (YELLOW)
06 INSULATION (PINK)
07 CEILING TILE (WHITE)
08 VINYL FLOOR TILE (BEIGE)
09 MASTIC (BROWN)

N

0 6 12

APPROXIMATE SCALE IN FEET

Stantec

**STATE OF CALIFORNIA**
**DEPARTMENT OF TRANSPORTATION**
**ASBESTOS SURVEY**
**OFFICE TRAILER**
**OJAI MAINTENANCE STATION**
**PROJECT ID: 07-07130000449, EA: 3P7001**

**SAMPLE LOCATION MAP**

FIGURE: **2**

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185832016.200.0001 | STA | JS | JS | 08/11/14 |

FILEPATH:M:_00 OTHER OFFICES\04-REDLANDS\CAL-TRANS\ADL\TO-16\FIG 2_SCDT_SAMPLE LOCATION.dwg | Layout Tab: 8x11 | Drafter: saguinaldo | Aug 12, 2014 at 14:58

TABLE 1
ASBESTOS SAMPLE LOG AND ANALYSIS RESULTS
HIGHWAY MAINTENANCE STATION TRAILER
1116 MARICOPA HIGHWAY, OJAI
LOS ANGELES COUNTY, CALIFORNIA
PN: 07-0712000437; EA# 3P7001
TASK ORDER #16; CONTRACT 07A3322

| FIELD SAMPLE ID | SAMPLE DATE | LABORATORY SAMPLE ID | SAMPLE LOCATION | MATERIAL DESCRIPTION | ANALYSIS RESULTS | CONDITION FRIABLE YES/NO | IF ACM, ESTIMATED QUANTITY |
|---|---|---|---|---|---|---|---|
| ***Highway Maintenance Station Trailer - Ojai Yard, 1116 Maricopa Highway, Ojai, CA*** | | | | | | | |
| **01A** | 8/1/2014 | 0144565-001 | ROOF | SEALANT, BLACK, ASSOCIATED WITH ROOF SEAMS | ND | NO | -- |
| **01B** | | 0144565-002 | | | | | |
| **01C** | | 0144565-003 | | | | | |
| **02A** | 8/1/2014 | 0144565-004 | ROOF | SEALANT, BLACK, ASSOCIATED WITH ROOF PATCHES | 4% CHRYSOTILE | NO | 20 SF |
| **02B** | | 0144565-005 | | | ND | | |
| **02C** | | 0144565-006 | | | 5% CHRYSOTILE | | |
| **03A** | 8/1/2014 | 0144565-007 | ROOF, WINDOWS | SEALANT, WHITE/CREAM, ASSOCIATED WITH ROOF PERIMETER AND WINDOWS | 15% CHRYSOTILE | NO | 150 LF |
| **03B** | | 0144565-008 | | | 15% CHRYSOTILE | | |
| **03C** | | 0144565-009 | | | 15% CHRYSOTILE | | |
| **04A** | 8/1/2014 | 0144565-010 | DUCTING ABOVE 15" VENT | INSULATION, YELLOW | ND | NO | -- |
| **04B** | | 0144565-011 | | | | | |
| **04C** | | 0144565-012 | | | | | |
| **05A** | 8/1/2014 | 0144565-013 | DUCTING ABOVE 12" VENT | INSULATION, YELLOW | ND | NO | -- |
| **05B** | | 0144565-014 | | | | | |
| **05C** | | 0144565-015 | | | | | |
| **06A** | 8/1/2014 | 0144565-016 | PERIMETER WALLS | INSULATION, PINK | ND | NO | -- |
| **06B** | | 0144565-017 | | | | | |
| **06C** | | 0144565-018 | | | | | |
| **07A** | 8/1/2014 | 0144565-019 | THROUGHOUT INTERIOR | CEILING TILE, WHITE | ND | NO | -- |
| **07B** | | 0144565-020 | | | | | |
| **07C** | | 0144565-021 | | | | | |
| **08A** | 8/1/2014 | 0144565-022 | THROUGHOUT INTERIOR | VINYL FLOOR TILE, BEIGE, 9" x 9" | 8% CHRYSOTILE | NO | 450 SF |
| **08B** | | 0144565-023 | | | 8% CHRYSOTILE | | |
| **08C** | | 0144565-024 | | | 8% CHRYSOTILE | | |
| **09A** | 8/1/2014 | 0142308-025 | MASTIC | BROWN, ASSOCIATED WITH BEIGE VINYL FLOOR TILE | ND | NO | -- |
| **09B** | | 0142308-026 | | | | | |
| **09C** | | 0142308-027 | | | | | |

*NOTES:*
ND = No asbestos detected.
Asbestos sample locations are depicted on attached Figure.
Bulk sample analyses completed by polarized light microscopy (PLM).
NA = Not applicable since no asbestos was detected
SF = Square feet
LF = Linear feet
Analytical documentation is in Appendix C

# SITE INVESTIGATION (SI) AT OJAI MAINTENANCE STATION

**1116 Maricopa Highway,**
**Ojai, California**
**PM 11.3**

**E-FIS Number: 0712000437**
**EA Number: 3P7001**
**Contract/Task Number 07A3322-05**

**STANTEC PROJECT NO.: 185832005**

**Submitted to:**
**California Department of Transportation, District 7**
**100 South Main Street**
**Los Angeles, California 90012**

**Submitted by:**
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**Approved by:**
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**Principal Engineer**


August 9, 2013

## EXECUTIVE SUMMARY

At the request of the California Department of Transportation (Caltrans) District 7 Environmental Design - North, a Site Investigation (SI) was conducted at the Caltrans Ojai Maintenance Station (OMS) located at 1116 Maricopa Highway in the City of Ojai, in Ventura County, California (Site; Figure 1).

The purpose and objective of the SI is to evaluate whether soil in vicinity of potential sources of contamination within the area of proposed demolition and construction at the OMS have been impacted by suspected hazardous chemicals or wastes, and to make necessary recommendations for special handling or disposal of impacted soil.

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Five (5) borings were advanced at the corners of the slab (1214-101 to 1214-104 to five feet below ground surface [bgs]) and adjacent to the eight-foot deep lift trench (1214-105 to 12.5 feet bgs).

All soil samples were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). One sample (exhibiting the highest TPH concentration) was also analyzed for Title 22 metals. No field evidence of contamination was noted by field photoionization (PID) measurements, observations of soil discoloration or odors.

Laboratory analysis reported low levels of TPH (maximum TPH as gasoline (TPH-g)=non detect, TPH as diesel (TPH-d)=72 mg/kg, TPH as oil (TPH-o)=600 mg/kg), VOCs (up to 0.0022 mg/kg) and Title 22 metals (expected background concentrations). Other than arsenic, all detections were reported below health risk-based regulatory thresholds. Arsenic and other heavy metals were reported at concentrations consistent with background in southern California (Table 3). Arsenic was reported at a concentration of 2.3 mg/kg. The California Department of Toxic Substances Control (DTSC) concluded that regional background concentrations in soil within the Los Angeles Unified School District is approximately 12 mg/kg, other studies have shown locally elevated levels of naturally occurring arsenic at much higher concentrations (DTSC, 2008).

Based on these findings, the following are concluded:

- The data do not indicate the existence of a significant release of chemicals to subsurface soils. Any impacts encountered below potential sources at the time of demolition are expected to be minor and, if encountered, are expected to be limited in extent.

- Reported concentrations of chemicals and heavy metals in soil are below health screening thresholds, hazardous waste thresholds and remediation screening levels, with the exception of arsenic. Arsenic and other metals were reported at levels consistent with background in southern California.

Shallow soils in the proposed construction zone are impacted with relatively low levels of TPH and background levels of heavy metals. Based on the findings and conclusions of this investigation, the following are recommended:

1. In consideration of the reported analyte concentrations, the soil may be managed as non-hazardous and reused on-Site.

2. Due to the presence of low levels of TPH, surplus soil may be disposed to an appropriately permitted Class 3 landfill or recycled as non-hazardous waste. Alternatively, the soil may be reused at other sites provided that approval for disposition to other sites is granted by the RWQCB through a Waste Discharge Requirements (WDR) permit.

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# 1.0 INTRODUCTION

## 1.1 PROJECT DESCRIPTION

At the request of the California Department of Transportation (Caltrans) District 7 Environmental Design - North, a Site Investigation (SI) was conducted at the Caltrans Ojai Maintenance Station (OMS) located at 1116 Maricopa Highway in the City of Ojai, in Ventura County, California (Site; Figure 1). This scope of work was conducted in support of Caltrans' request to evaluate the potential presence of contamination in subsurface soils resulting from historical site operations beneath or adjacent to specific features found at the OMS. The data from the site investigation will be used to evaluate the proper disposal and handling of the excavated soil generated during the demolition/construction activities pursuant to the provisions in Stantec's Agreement 07A3322, and with the Task Order No. 05 request dated June 20, 2013.

## 1.2 PURPOSE AND OBJECTIVES

The purpose and objective of the SI is to evaluate whether soil in vicinity of potential sources of contamination within the area of proposed demolition and construction at the OMS have been impacted by suspected hazardous chemicals or wastes, and to make necessary recommendations for special handling or disposal of impacted soil.

## 1.3 BACKGROUND

According to the Task Order No. 05 Request, dated June 20, 2013, Caltrans is currently preparing the Plans, Specifications, and Estimates (PS&E) to remove the existing vehicle lift, canopy, eight-foot deep access trench, and storage shed; in preparation for the construction of a new equipment building. The existing lift and supporting structures have been in place for more than 20 years. By virtue of the long term use for vehicle maintenance and the potential for leaks, investigations were conducted to assess potential impacts to soil prior to initiating demolition and construction.

The remainder of this report describes the scope of work, methodology, findings, results, conclusions and recommendations of the SI.

# 2.0 PROJECT SETTING

This section describes the project setting including a basic description of the study area, the physiographic setting of the study area, the geology and hydrogeology, and a description of the site vicinity.

## 2.1 SITE DESCRIPTION

The Site is located at the northwest corner of the intersection of Maricopa Highway (State Route 33) and Ojai Avenue (State Route 150) in the City of Ojai, California (Figure 1). The Site is a highway maintenance facility and motor pool parking lot located on the eastern side of the Ventura River in the upper Ojai Valley. The entire site is asphalt paved with most maintenance areas paved with Portland cement concrete slab surfaces.

## 2.2 PHYSIOGRAPHIC SETTING

The area of the site is located on the photorevised (in 1995) Matilija Quadrangle topographic map produced by the United States Geological Survey (USGS; 1995). The topography in the immediate area of the site is gently sloping to the south towards Maricopa Highway. The Site is situated in the upper Ojai Valley with hills to the north, west, and southeast. The average elevation at the Site is approximately 769 feet above mean sea level (amsl).

## 2.3 REGIONAL GEOLOGY AND HYDROGEOLOGY

The Site is located in the western portion of the Transverse Ranges Geomorphic Province of California. The Transverse Ranges extend from the Santa Ynez River and San Andreas Fault in the north to the Los Angeles Basin in the south. From the east, the Transverse Ranges extend from the Colorado and Mojave Deserts to Point Arguello and San Miguel Island in the west. The Transverse Ranges are characterized by east-west trending mountain ranges, valleys, and associated faults and folds. The Site is located at an elevation of 768 feet above mean sea level on the western edge of the Ojai Valley, south of the Santa Ynez and Topatopa Mountains. The Upper Ventura River is located approximately two miles west-southwest of the Site (United States Geological Survey [USGS], 1952; photorevised 1988).

Shallow sediments in the Site area have been mapped as unconsolidated alluvial deposits consisting of interbedded deposits of sand, gravel, boulders, silt and clay (Dibblee, 1987). According to reports uploaded to the GeoTracker website for the Site, prior environmental investigations indicate that soil beneath the Site generally consists of clayey gravel overlain by silt/clay/sand mixtures with lenses of silty clay/clayey silt, clay and silty sand to the maximum depth explored (46 feet below ground surface [bgs]) (SECOR, 2008).

The Site is located near the boundary between the Ojai and Upper Ventura River Hydrologic areas, which are separate in the Site vicinity by high bedrock (Ventura County Flood Control District, 1971). The Site is located in the Upper Ventura River Basin. Groundwater in the basin is currently utilized for domestic, municipal, and irrigation uses. The Upper Ventura River Subbasin is bounded on the south by the Lower Ventura River Subbasin, on the east by the Ojai Valley Groundwater Basin, and elsewhere by impermeable rocks of the Santa Ynez Mountains (DWR, 2004). Annual precipitation ranges from 14 inches in the valley to 24 inches in the surrounding mountains. The surface drainage is by the Coyote, Matilija, and San Antonio

Creeks and the Ventura River (DWR, 2004). The closest surface water to the Site is the San Antonio Creek, located approximately ¾ of a mile east of the Site. Mirror Lake is located approximately two miles south-southwest of the Site which drains to the Ventura River. A historical tributary/drainage way to the Ventura River is located approximately 0.7 miles west-northwest of the Site.

According to the groundwater data uploaded to the GeoTracker website for the Site, historic groundwater flow direction at the Site has been to the south-southwest, at depths ranging from 6.54 feet bgs (MW-2) to 18.91 feet bgs (MW-3) from 1994 through 2009.

## 2.4 SITE VICINITY

The Site is bordered on the west by a 76 Gas Station at 1124 Maricopa Highway and Ojai Pet Hospital at 1120 Maricopa Highway, on the south by Maricopa Highway, and on the east by Del Norte Road. Surrounding properties include residential units to the north and northwest and commercial properties to the south across Maricopa Highway, west, and southeast of the Site.

# 3.0 SCOPE OF WORK

The scope of the SI consisted of the following general elements:

- Pre-field activities:
  - Development and review of a project work plan to guide task order activities;
  - Development of a site specific health and safety plan;
  - Coordination of equipment and subcontractors;

- Field Investigations:
  - Geophysical survey performed at each of the proposed boring locations;
  - Surface coring at each of the proposed boring locations;
  - Advancement of five shallow borings to depths of five (5) feet to 12.5 feet bgs;
  - Collection and preservation of soil samples;
  - Boring location survey using global positioning system (GPS);
  - Boring abandonment.

- Laboratory analysis of all soil samples pursuant to the requirements of Task Order No. 05 for,
  - Total petroleum hydrocarbons (TPH)
  - Volatile organic compounds (VOCs)
  - Title 22 Metals

Data evaluation and preparation of this report.

# 4.0 SOIL INVESTIGATION METHODOLOGY

The soil investigation was conducted in general accordance with the methods and requirements of Contract 07A3322, Task Order 05, with the exceptions described in Section 4.3. The following subsections summarize the methodology implemented in completing the required scope of work.

## 4.1 PRE-FIELD ACTIVITIES

Prior to beginning field work, proposed sample locations designated on site plans by Caltrans were checked for accessibility in the field through Site reconnaissance with Caltrans and Stantec staff.

A site-specific Health and Safety Plan (HASP) was developed in accordance with California Occupational Safety and Health Administration (Cal OSHA) requirements to guide field sampling activities. The HASP describes health and safety procedures and was submitted to Caltrans for review and approval prior to initiating field activities. A pre-field tail gate health and safety meeting was conducted at the Site with field personnel prior to beginning work. During the tail gate meeting, daily work activities and health and safety issues were discussed, including the following:

- Field tasks to be conducted throughout the day,
- Project schedule,
- Hazard awareness,
- General health and safety practices, procedures and issues,
- Specific health and safety issues related to the day's work,
- Health and Safety procedures, controls, etc.;
- Engineering controls; personal protective equipment and monitoring;
- Traffic control and safety;
- Emergency procedures and contacts.

Field documentation of health and safety meetings and monitoring were maintained throughout the duration of field activities. A copy of the completed field forms are provided in Appendix A.

## 4.2 FIELD INVESTIGATIONS

Field investigations were conducted on July 9, 2013. The weather was warm and sunny throughout the day. As a result, no weather restrictions to field investigation activities were encountered. The following subsections describe the methodology and procedures followed in conducting field investigations. A copy of the boring logs is provided in Appendix B.

### *4.2.1 Geophysical Survey*

A geophysical survey was conducted in the area of the proposed boring locations to identify potential subsurface structures that may be in conflict with the borings locations.

Two complimentary surface geophysical instruments (ground penetrating radar (GPR) and electromagnetics (EM)) were used to evaluate the potential presence of buried objects within the site boundaries. These instruments may detect the presence of objects buried as deep as 5 to 13 feet. The effectiveness of these geophysical survey techniques depends on a number of factors including geometry and composition of the buried object, burial depth, surface cover, soil type and density, hydrogeology, and potential interference from surrounding cultural features (e.g., fences, buildings, etc.). These limitations must be considered in the decision making process.

Underground utilities/obstructions were found in the general area of the northwest canopy corner boring location (1214-103). As a result, this location was shifted slightly to the south in order to prevent potential conflict with the geophysical anomalies.

### *4.2.2 Soil Sampling Locations*

The proposed five-foot deep borings at each corner of the canopy (1214-101 to 12-14-104) were advanced via hand auger to each sample depth. Once the sample depth was reached, drive samples were collected using direct push technology drill rig to preserve the integrity of the sample for analysis of VOCs. The proposed trench boring (1214-105) was advanced adjacent to the trench to a depth of 5 feet bgs via hand auger and then advanced continuously with direct push technology (DPT) to 12.5 feet bgs. The boring locations are illustrated on Figure 2a and 2b. The proposed soil borings were advanced to their proposed depths and located in the following areas (illustrated on Figure 2):

- Canopy area: four (4) borings (1214-101, 1214-102, 1214-103, and 1214-104) advanced to five (5) feet bgs with samples collected from 1, 2, 3, and 5 feet bgs.

- Trench area: one (1) boring (1214-105) advanced to 12.5 feet bgs with samples collected from 9, 10, 11, and 12.5 feet bgs. Sample depths correspond to 1, 2, 3, and 4.5 feet below trench bottom; respectively.

The trench boring location was advanced adjacent to and midway along the length of the trench (not within the trench) in accordance with the project work plan and the field deviations explained in Section 4.3 of this report.

### *4.2.3 Sample Collection and Preservation*

<u>*Soil*</u>
Soil samples were collected from 1214-101 to 104 using a DPT sampler lined with stainless steel tubes. Samples collected from concrete trench boring 1214-105 were collected from a DPT sampler lined with acetate liners.

The sample depths described in the sample identification number represent the bottom depth of a six-inch long sample. The sample depth intervals are indicated below.

- One-foot samples: 0.5 to 1 feet bgs;
- Two-foot samples: 1.5 to 2. feet bgs;
- Three-foot samples: 2.5 to 3 feet bgs;
- Five-foot samples: 4.5 to 5.0 feet bgs;
- Nine-foot sample: 8.5 to 9 feet bgs;
- Ten-foot sample: 9.5 to 10 feet bgs;
- Eleven-foot sample: 10.5 to 11 feet bgs; and
- Twelve/half-foot sample: 12.0 to 12.5 feet bgs.

Prior to advancing the sampling equipment, the asphalt/concrete surface at each location was cored. Soil samples for VOC analysis were collected by sub-sampling the tube with an Encore-type sampler following EPA test method 5035 as required in Ventura County with the exception of sample 1214-105-12.5. EPA test method 5035 was not performed on sample 1214-105-12.5 since this sample was collected outside of the scope of work specified in the Caltrans Task Order No. 05. The tubes/sleeves were retrieved from the sampler, capped at both ends and sealed with non-VOC adhesive tape to secure the sample.

Each soil sample tube/sleeve was labeled with a specific sample I.D., boring I.D., project I.D., EA number, sample date, and sample time, and then placed in an ice-filled cooler. Each sample was also recorded on a chain-of-custody (CoC) form and delivered to an environmental laboratory for analysis in accordance with the methods described in Contract 07A3322, Task Order 05.

#### *4.2.4 Boring Locations*

The five boring locations were identified and plotted on a field map with a unique boring identification (I.D.) number to represent each borehole/location. In addition, the spatial coordinates for each borehole were obtained using a handheld field GPS Trimble unit and recorded on field data sheets. The boring locations are shown on Figure 2a and 2b. Coordinates for each boring are provided in Table 1.

#### *4.2.5 Decontamination*

All soil sampling equipment was decontaminated prior to sampling at each sample interval using a non-phosphate detergent solution and double-rinsed with distilled water using the triple bucket method.

#### *4.2.6 Borehole Abandonment*

Boreholes were backfilled with soil cuttings from their respective locations, with the exception of boring 1214-105 which was backfilled soil and bentonite. The surface was completed with concrete to match the existing surface.

### *4.2.7 Field Quality Assurance/Quality Control*

In accordance with Task Order 05, trip and equipment blanks were collected to evaluate cross contamination during transport and the adequacy of field decontamination efforts. Equipment blank (1214-EB) was collected during sampling activities by pouring deionized water over the sampling equipment and collecting the water in appropriate sample containers for analysis.

## 4.3 FIELD DEVIATIONS FROM WORK PLAN

The following deviations from the scope of work are noted below:

- Soil sampling: The drilling subcontractor arrived at the Site with the incorrect size stainless steel tubes for use in the manual slide hammer. To preserve the integrity of the samples for VOC analysis, the drillers used the DPT sampler lined with acetate or stainless steel samplers to collect undisturbed samples for VOC subsampling and analysis.

- Trench boring location 1214-105: This boring was marked in the field and originally proposed through the bottom of the concrete trench. As general rule in the industry, coring through such structures is generally not conducted unless the structure is decontaminated and taken out of service to avoid the potential for contamination migrating to underlying soil. Field staff were directed by Kevin Miskin to drill immediately adjacent to the trench and to collect samples at one, two, three and four feet below the bottom depth of the trench.

- Boring location 1213-105A: An initial boring attempt at 1214-105 encountered refusal. A second boring attempted approximately 5 feet to the east of the original location and successfully advanced adjacent to the trench.

- Boring location 1214-103: Initial boring attempts as 1214-103 encountered refusal. The boring was moved one foot south and successfully advanced to the target depth of five feet bgs.

- The sample with the highest TPH concentrations was selected for analysis of Title 22 metals.

# 5.0 LABORATORY ANALYSIS

Twenty (20) soil samples were submitted under CoC to Advanced Technology Laboratories (ATL). ATL is certified through the California Environmental Laboratory Accreditation Program (ELAP) to conduct the analyses required in this task order. The laboratory was directed to perform the following analyses based on Caltrans Task Order No. 05 request:

- *Total Petroleum Hydrocarbons (EPA test method 8015B)*—all samples were analyzed for total petroleum hydrocarbons, C4-C12 (gasoline range), C13-C22 (diesel range) & C23-32 (motor oil range).

- *Volatile Organic Compounds (EPA test method 8260B/5035)*—all samples were analyzed for VOCs.

- *Title 22 metals (EPA test method 6010B/7470)*—The sample exhibiting the highest concentration of TPH was analyzed for the full suite of Title 22 metals.

Copies of the laboratory CoCs and analytical reports are attached in Appendix C.

# 6.0 INVESTIGATIVE RESULTS

## 6.1 FIELD FINDINGS

Based on core thicknesses, surface slabs range from six to eight inches thick. Underlying soils were generally brown in color and consisted primarily of silty sand with increasing silt content with depth. A photolog showing the boring locations is presented in Appendix D.

PID headspace measurements did not report VOCs above the PID detection threshold. No staining or chemical odors were noted in soil samples.

Groundwater was not encountered in any of the boreholes.

## 6.2 ANALYTICAL RESULTS

A summary of the analytical results is presented in Table 2 and 3. Boring locations are shown on Figure 2a and 2b. Copies of the laboratory reports and chain-of-custody forms are included in Appendix C.

### *6.2.1 Title 22 Metals*

As directed in the Task Order No. 05 request, one soil sample was analyzed for the full suite of Title 22 metals to evaluate whether potentially elevated concentrations of heavy metals pose a concern in near surface soils.

Aside from arsenic, all heavy metals were reported at concentrations below their respective California Human Health Screening Levels (CHHSLs) for industrial and residential soils, United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for industrial and residential soils.

All heavy metal analytes were reported below their respective California total threshold limit concentrations (TTLC) and were less than 10 times the California soluble limit threshold concentration (STLC). All metals, including arsenic, were reported at concentrations consistent with expected background concentrations for southern California soils (Table 3). Arsenic was reported at a concentration of 2.3 mg/kg, which exceeds CHHSLs for industrial (0.24 mg/kg) and residential soils (0.07 mg/kg), and the USEPA RSL for residential soils (0.61 mg/kg). However, arsenic was with the range of background concentrations for urban soil in the Los Angeles area (12 mg/kg).

### *6.2.2 Total Petroleum Hydrocarbons*

All soil samples were analyzed for total petroleum hydrocarbons (TPH-g (gasoline range), TPH-d (diesel range), and TPH-o (oil range)) to evaluate whether potentially elevated concentrations of TPH pose a concern in the areas of proposed demolition/construction.

- TPH-g (C4-C12) was not detected above the laboratory method detection limit (MDL) in all samples analyzed.

- TPH-d (C13-C22) was reported in three (3) samples with concentrations ranging from 37 to 72 milligrams per kilogram (mg/kg). The reported concentrations are below the Regional Water Quality Control Board (RWQCB) Soil Screening Level (SSL) of 100 mg/kg for groundwater less than 20 feet deep.

- TPH-o was detected in five (5) samples with concentrations ranging from 24 to 600 mg/kg. The reported concentrations are below the RWQCB SSL of 1,000 mg/kg.

The results are tabulated on Table 2.

#### *6.2.3 Volatile Organic Compounds Analysis*

As directed in the Task Order No. 05 request, twenty (20) soil samples were submitted for analysis of VOCs.

- Benzene was detected in one (1) sample submitted for analysis at a concentration of 0.0022 mg/kg (J-flag). J-flag concentrations are at levels above the MDL, but below the practical quantitation limit (PQL). The reported concentration is below the RWQCB SSL of 0.011 mg/kg, the USEPA RSL for industrial soils of 5.4 mg/kg, and the USEPA RSL for residential soils of 1.1 mg/kg.

- Carbon disulfide was detected in one (1) sample submitted for analysis at a concentration of 0.0017 mg/kg (J-flag). The reported concentration is below the USEPA RSLs for industrial soils of 3,700 mg/kg and residential soils of 820 mg/kg.

- Toluene was detected in two (2) samples submitted for analysis at concentrations of 0.0012 mg/kg (J-flag) and 0.0016 mg/kg (J-flag). The reported concentrations are below the SSL of 0.3 mg/kg, the USEPA RSL for industrial and residential soils of 45,000 and 5,000 mg/kg, respectively.

The results are tabulated on Table 2.

### 6.3 DATA VALIDATION

#### *6.3.1 Field QA/QC*

Quality assurance and quality control (QA/QC) procedures were performed in general accordance with the Work Plan and Task Order No. 05 request. Field QA/QC procedures included analyses of an equipment blank and a trip blank. None of the analytes tested in the field equipment blanks reported analytes above laboratory reporting limits, with the exception of the following:

- Equipment Blank:
    - 1214-EB: Low levels of three (3) metal analytes (barium, chromium, and zinc) were reported at very low levels generally at or below the PQL, with the

exception of zinc which was reported above the PQL. The low levels are not unexpected as the equipment blank is obtained by pouring water over metal sampling equipment containing these elements. No other analytes were detected in this equipment blank.

- Trip Blank: No analytes were detected in the trip blank sample.

### *6.3.2 Laboratory QA/QC*

Laboratory quality assurance and quality control data (method blanks, laboratory control samples and duplicates, matrix spike samples and duplicates) were also reviewed for compliance with QA/QC objectives. As indicated in the laboratory reports, the following data qualifiers were noted:

- Method Blank:
  - Low levels of chromium and nickel were reported in a method batch blank.

- Duplicate Samples:
  - The relative percent difference (RPD) was out of control for barium and chromium in B3G0192-DUP1. This variability is not uncommon in soil samples and is the result of sample heterogeneity.
  - The RPD was out of control for lead in B3G0394-DUP1. This variability is not uncommon in soil samples and is the result of sample heterogeneity.

- Matrix Spike Samples:
  - The recovery was out of control high beryllium in B3G0192-MS1 due to matrix interference. The data were validated using the laboratory control sample.

Based upon the results of validation, the data, as qualified, are acceptable for the purposes described in this document.

# 7.0 CONCLUSIONS

At the request of the California Department of Transportation (Caltrans) District 7 Environmental Design - North, a Site Investigation (SI) was conducted at the Caltrans Ojai Maintenance Station (OMS) located at 1116 Maricopa Highway in the City of Ojai, in Ventura County, California (Site; Figure 1).

The purpose and objective of the SI is to evaluate whether soil in vicinity of potential sources of contamination within the area of proposed demolition and construction at the OMS have been impacted by suspected hazardous chemicals or wastes, and to make necessary recommendations for special handling or disposal of impacted soil.

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Five (5) borings were advanced at the corners of the slab (1214-101 to 1214-104 to five feet bgs) and adjacent to the eight-foot deep lift trench (1214-105 to 12.5 feet bgs).

All soil samples were analyzed for TPH and VOCs. One sample, selected based on maximum TPH concentration, was also analyzed for Title 22 metals. No field evidence of contamination was noted by field PID measurements, observations of soil discoloration or odors.

Laboratory analysis reported low levels of TPH (maximum TPH-g=nondetect, TPH-d=72 mg/kg, TPH-o=600 mg/kg), VOCs (up to 0.0022 mg/kg) and Title 22 metals (expected background concentrations). Other than arsenic, all detections were reported below health risk-based regulatory thresholds. Arsenic and other heavy metals were reported at concentrations consistent with background in southern California (Table 3). Arsenic was reported at a concentration of 2.3 mg/kg. The California Department of Toxic Substances Control (DTSC) concluded that regional background concentrations in soil within the Los Angeles Unified School District is approximately 12 mg/kg, other studies have shown locally elevated levels of naturally occurring arsenic at much higher concentrations (DTSC, 2008).

Based on these findings, the following are concluded:

- The data do not indicate the existence of a significant release of chemicals to subsurface soils. Any impacts encountered below potential sources at the time of demolition are expected to be minor and, if encountered, are expected to be limited in extent.

- Reported concentrations of chemicals and heavy metals in soil are below health screening thresholds, hazardous waste thresholds and remediation screening levels, with the exception of arsenic. Arsenic and other metals were reported at levels consistent with background is southern California.

# 8.0 RECOMMENDATIONS

Shallow soils in the proposed construction zone are impacted with relatively low levels of TPH and background levels of heavy metals. Based on the findings and conclusions of this investigation, the following are recommended:

1. In consideration of the reported analyte concentrations, the soil may be managed as non-hazardous and reused on-Site.

2. Due to the presence of low levels of TPH, surplus soil may be disposed to an appropriately permitted Class 3 landfill or recycled as non-hazardous waste. Alternatively, the soil may be reused at other sites provided that approval for disposition to other sites is granted by the RWQCB through a Waste Discharge Requirements (WDR) permit.

# 9.0 REFERENCES


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# 10.0 CLOSURE

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. Stantec makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of Stantec to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement between the State of California Department of Transportation, District 7, and Stantec Consulting Services Inc., the consulting services agreement shall control.

# TABLES

**TABLE 1 - BORING GPS COORDINATES**
**SITE INVESTIGATION FOR OJAI MAINTENANCE STATION**
**1116 MARICOPA HIGHWAY, OJAI, CA; PM-11.3**
**E-FIS: 0713000094**
**(EA# 2W5401)**

| Boring ID (1) | Latitude (2) (degrees north) | Longitude (2) (degrees west) | Northing(2) | Easting(2) |
|---|---|---|---|---|
| 1214-101 | 34.44262559 | -119.26117216 | 1985847.400 | 6181434.739 |
| 1214-102 | 34.44266683 | -119.26118565 | 1985862.458 | 6181430.860 |
| 1214-103 | 34.44264120 | -119.26129308 | 1985853.538 | 6181398.356 |
| 1214-104 | 34.44261486 | -119.26128988 | 1979851.997 | 6181324.009 |
| 1214-105 | 34.44262540 | -119.26120682 | 1985847.462 | 6181424.289 |

***NOTES:***

(1) - Boring identification number/Caltrans Unique ID assigned

(2) - The survey coordinates for this project were obtained using a handheld Trimple Global Positioning System (GPS) unit using North American Datum (NAD) 83 and California State Plane Zone 5 (405) Coordinate System in feet. The GPS coordinates were not verified by a professional licensed surveyor and are excluded from his reports professional certification.

**TABLE 2 - SUMMARY OF SOIL ANALYTICAL RESULTS**
**TPH and VOCs**
**SITE INVESTIGATION FOR OJAI MAINTENANCE STATION**
**1116 MARICOPA HIGHWAY, OJAI, CA; PM-11.3**
**E-FIS: 0712000437**
**(EA# 3P7001)**

| CALTRANS UNIQUE SAMPLE ID(1) | SAMPLE DEPTH(2) | SAMPLE DATE | TOTAL PETROLEUM HYDROCARBONS(3) | | | VOLATILE ORGANIC COMPOUNDS (4) (mg/kg) | | |
|---|---|---|---|---|---|---|---|---|
| | | | TPH-g (C4-C12) (mg/Kg) | TPH-d (C13-C22) (mg/Kg) | TPH-o (C23-C32) (mg/Kg) | Benzene | Carbon Disulfide | Toluene |
| *Maximum RWQCB SSLs for TPH(5) (<30 feet above groundwater, sand)* | | | *100* | *100* | *1,000* | *0.011* | --- | *0.3* |
| *USEPA RSLs - Industrial Use(6)* | | | --- | --- | --- | *5.4* | *3,700* | *5,000* |
| *USEPA RSLs - Residential Use(6)* | | | --- | --- | --- | *1.1* | *820* | *45,000* |
| *SOIL SAMPLES* | | | | | | | | |
| 1214-101-1.0 | 1 | 7/9/2013 | <0.20 | <10 | 24 | 0.0022 J | <0.0012 | 0.0016 J |
| 1214-101-2.0 | 2 | 7/9/2013 | <0.20 | <10 | <10 | <0.0014 | <0.0013 | <0.0012 |
| 1214-101-3.0 | 3 | 7/9/2013 | <0.20 | 37 | 61 | <0.0001 | <0.00096 | <0.0009 |
| 1214-101-5.0 | 5 | 7/9/2013 | <0.20 | <10 | <10 | <0.00085 | <0.00079 | <0.00075 |
| 1214-102-1.0 | 1 | 7/9/2013 | <0.20 | <10 | <10 | <0.00085 | <0.00088 | <0.00086 |
| 1214-102-2.0 | 2 | 7/9/2013 | <0.20 | <10 | <10 | <0.0001 | <0.00094 | <0.0009 |
| 1214-102-3.0 | 3 | 7/9/2013 | <0.20 | <10 | <10 | <0.00089 | <0.00088 | <0.00078 |
| 1214-102-5.0 | 5 | 7/9/2013 | <0.20 | <10 | <10 | <0.00094 | <0.00087 | <0.00083 |
| 1214-103-1.0 | 1 | 7/9/2013 | <0.20 | <10 | 74 | <0.00099 | <0.00088 | <0.00086 |
| 1214-103-2.0 | 2 | 7/9/2013 | <0.20 | <10 | <10 | <0.00099 | <0.00096 | <0.00097 |
| 1214-103-3.0 | 3 | 7/9/2013 | <0.20 | <10 | <10 | <0.0009 | <0.00099 | <0.00085 |
| 1214-103-5.0 | 5 | 7/9/2013 | <0.20 | <10 | <10 | <0.0011 | <0.001 | <0.00097 |
| 1214-104-1.0 | 1 | 7/9/2013 | <0.20 | 72 | 600 | <0.00099 | 0.0017 J | 0.0012 J |
| 1214-104-2.0 | 2 | 7/9/2013 | <0.20 | 38 | 240 | <0.00099 | <0.0009 | <0.00097 |
| 1214-104-3.0 | 3 | 7/9/2013 | <0.20 | <10 | <10 | <0.00099 | <0.00092 | <0.00079 |
| 1214-104-5.0 | 5 | 7/9/2013 | <0.20 | <10 | <10 | <0.0011 | <0.001 | <0.00097 |
| 1214-105-9.0 | 9 | 7/9/2013 | <0.20 | <10 | <10 | <0.00095 | <0.00087 | <0.00098 |
| 1214-105-100 | 10 | 7/9/2013 | <0.20 | <10 | <10 | <0.001 | <0.00095 | <0.00088 |
| 1214-105-110 | 11 | 7/9/2013 | <0.20 | <10 | <10 | <0.00099 | <0.00092 | <0.00079 |
| 1214-105-125 | 12.5 | 7/9/2013 | <0.20 | <10 | <10 | <0.001 | <0.00092 | <0.00088 |

***NOTES:***
RWQCB = Regional Water Quality Control Board, Los Angeles Region
SSL = Soil Screening Level
RSL = Regional Screening Level
(1) - Boring identification number/Caltrans Unique ID assigned
(2) - Sample depth reported in feet below the ground surface
(3) - Total Petroleum Hydrocarbons (TPH): Gasoline range (TPH-g) by EPA Test Method LUFT/GCMS; Diesel range (TPH-d) and Oil range (TPH-o) Range by EPA Test Method 8015M
(4) - Volatile Organic Compounds by EPA Test Method 8260B
(5) - RWQCB Maximum Soil Screening Levels for TPH above Drinking Water Aquifers, May 1996
(6) - United States Environmental Protection Agency (Region 9) RSLs for VOCs for industrial and residential soil (last updated May 2012) - Traditional Table with a Target Cancer Risk Level of 1.0x10-6 and a Target Ha
**BOLD** values are concentrations detected above the laboratory method detection limit (MDL)
Grey shaded values are concentrations exceeding at least one of the respective regulatory screening levels listed for the constituent
<10 - analyte not reported at or above stated laboratory method detection limit (MDL)
-- No agency action level established for this constituent
J - Concentration is reported between the practical quantitation limit and the method detection limit

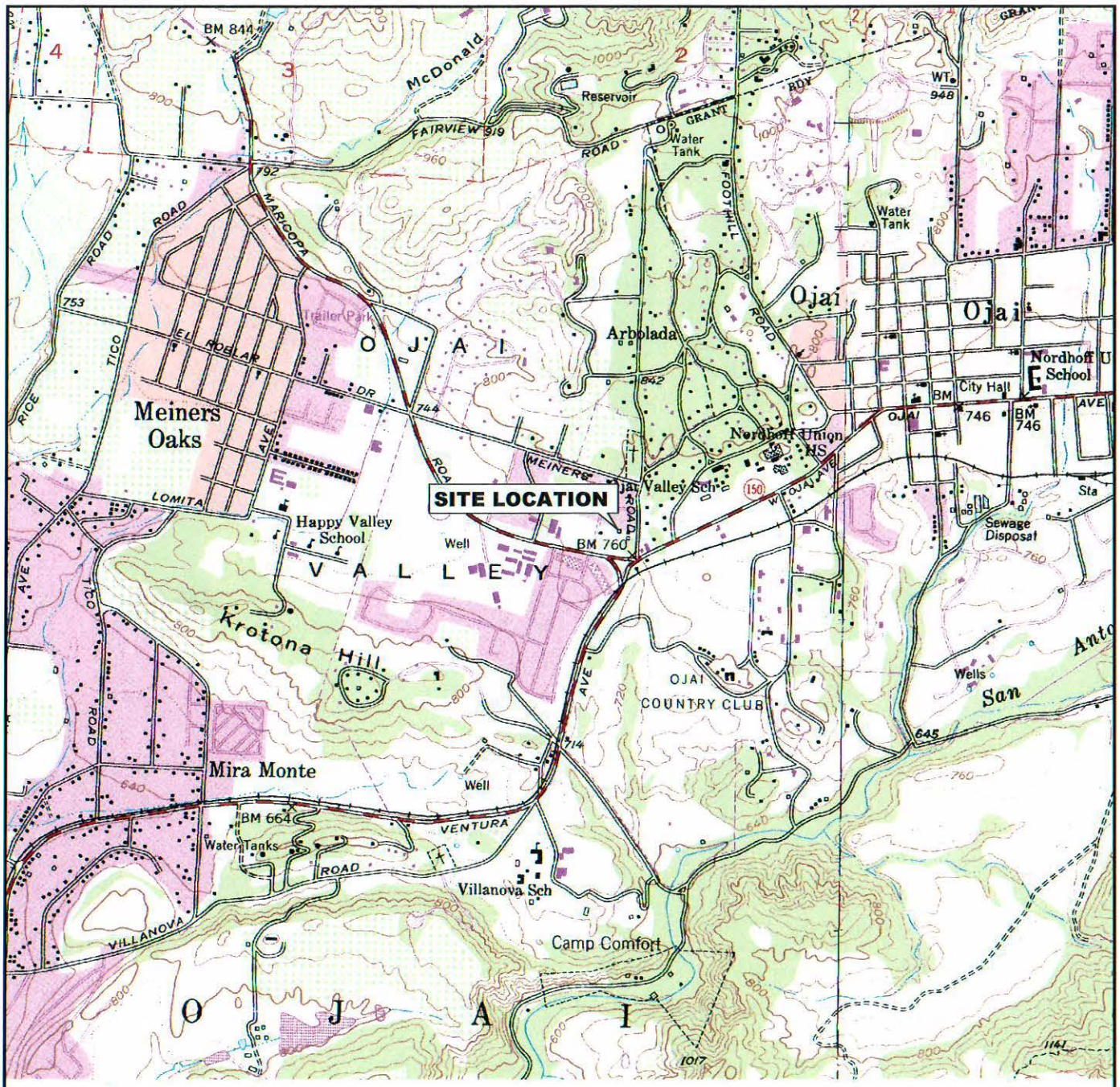
**TABLE 3 - SUMMARY OF ANALYTICAL RESULTS**
**METALS**
**SITE INVESTIGATION FOR OJAI MAINTENANCE STATION**
**1116 MARICOPA HIGHWAY, OJAI, CA; PM-11.3**
**E-FIS: 0712000437**
**(EA# 3P7001)**

| Caltrans Unique Sample ID | Sample Depth (feet bgs) | Sample Date | TITLE 22 METALS by EPA Test Method 6010B/7471A | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Lead | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc | Mercury |
| *CHHSLs - Residential Use (1)* | | | *30* | *0.07* | *5,200* | *16* | *1.7* | *100,000* | *660* | *3,000* | *80* | *380* | *1,600* | *380* | *380* | *5* | *530* | *23,000* | *18* |
| *CHHSLs - Industrial Use (1)* | | | *380* | *0.24* | *63,000* | *190* | *7.5* | *100,000* | *3,200* | *38,000* | *320* | *4,800* | *16,000* | *4,800* | *4,800* | *63* | *6,700* | *100,000* | *180* |
| *USEPA RSLs - Residential Use (2)* | | | *31* | *0.61* | *15,000* | *160* | *70* | *120,000* | *23* | *3,100* | *400* | *390* | *1,500* | *390* | *390* | *0.78* | *390* | *23,000* | *10* |
| *USEPA RSLs - Industrial Use (2)* | | | *410* | *2.4* | *190,000* | *2,000* | *800* | *1,500,000* | *300* | *41,000* | *800* | *5,100* | *20,000* | *5,100* | *5,100* | *10* | *5,100* | *310,000* | *43* |
| *Expected Background Concentrations (3)* | | | *0.15-1.95* | *12 (4)* | *133-1400* | *0.25-2.70* | *0.05-1.70* | *23-1579* | *2.7-46.9* | *9.1-96.4* | *12.4-97.1* | *0.1-9.6* | *9-509* | *0.015-0.430* | *13.2-39.4* | *9.8-36.2* | *75-288* | *133-236* | *0.05-0.90* |
| *California TTLC* | | | *500* | *500* | *10,000* | *75* | *100* | *2,500* | *8,000* | *2,500* | *1,000* | *3,500* | *2,000* | *100* | *500* | *700* | *2,400* | *5,000* | *20* |
| *10 x California STLC* | | | *150* | *50* | *1,000* | *7.5* | *10* | *50* | *800* | *250* | *50* | *3,500* | *200* | *10* | *50* | *70* | *240* | *2,500* | *2* |
| *SOIL SAMPLES* | | | | | | | | | | | | | | | | | | | |
| 1214-104-1.0 | 1 | 7/9/2013 | <0.22 | 2.3 | 98 | 0.28 J | 0.18 J | 13 | 5.8 | 9.5 | 33 | 0.54 J | 16 | <0.24 | <0.06 | <0.30 | 18 | 35 | 0.01 J |

***NOTES:***

All soil results in mg/Kg
CHHSLs = California Human Health Screening Levels
RSLs = Regional Screening Levels
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
bgs = below ground surface
Sample depth in feet below the ground surface
<0.5 - Analyte not reported at or above stated method detection limit
(1) Soil, California Human Health Screening Levels for Commercial/Industrial and Residential Land Use, California Environmental Protection Agency, January 2005; updates 2009 & 2010 Office of Environmental Health Hazard Assessment Table 1.
(2) United States Environmental Protection Agency (Region 9) Regional Screening Levels (RSLs; in mg/Kg) for VOCs for industrial and residential soil (last updated May 2013) - Traditional Table with a Target Cancer Risk Level of 1.0x10-6 and a Target Hazard Quotient of 1.0.
(3) G.R. Bradford, A.C. Chang, A.L. Page, D. Bakhtar, J.A. Frampton, and H. Wright, Background Concentrations of Trace and Major Elements in California Soils, March 1996.
(4) California Department of Toxic Substances Control (DTSC), 2008, Determination of a Southern California Regional Background Arsenic Concentration in Soil, March.
= Shaded cells indicate a concentration that exceeds either the RSL, CHHSL, and/or the background concentration for that particular metal.
J - Concentration is reported between the practical quantitation limit and the method detection limit.
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration

# FIGURES




REFERENCE: CA Digital Raster Graphics(http://gis.ca.gov/casil/usgs.gov/)
7.5 Minute Series, Albers NAD83, Trimmed
Block o34117a5, Downloaded 5/14/10

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CALIFORNIA DEPARTMENT OF TRANSPORTATION
SITE INVESTIGATION FOR OJAI MAINTENANCE STATION
1116 MARICOPA HWY, OJAI, CA; PM11.3
EFIS: 0712000437; (EA# 3P7001)
07a3322-05

SITE LOCATION MAP

FIGURE: 1

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185832005.200.0002 | J. RESENDIZ | K. EDBLAD | | JULY 2013 |

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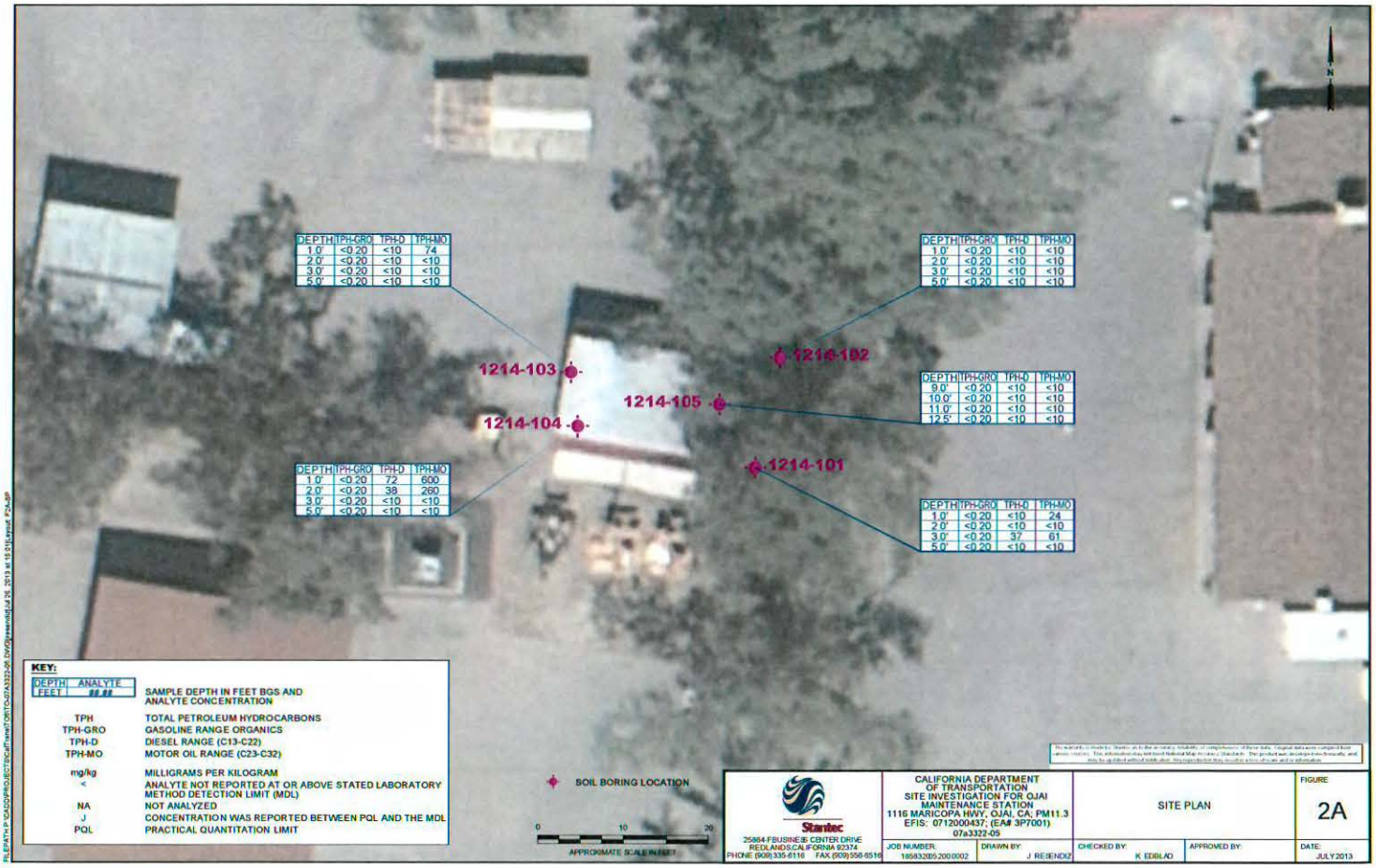


| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | 74 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | <10 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 9.0' | <0.20 | <10 | <10 |
| 10.0' | <0.20 | <10 | <10 |
| 11.0' | <0.20 | <10 | <10 |
| 12.5' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | 72 | 600 |
| 2.0' | <0.20 | 38 | 260 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | 24 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | 37 | 61 |
| 5.0' | <0.20 | <10 | <10 |

**KEY:**

| DEPTH FEET | ANALYTE 00.00 | SAMPLE DEPTH IN FEET BGS AND ANALYTE CONCENTRATION |
|---|---|---|
| | TPH | TOTAL PETROLEUM HYDROCARBONS |
| | TPH-GRO | GASOLINE RANGE ORGANICS |
| | TPH-D | DIESEL RANGE (C13-C22) |
| | TPH-MO | MOTOR OIL RANGE (C23-C32) |
| | mg/kg | MILLIGRAMS PER KILOGRAM |
| | < | ANALYTE NOT REPORTED AT OR ABOVE STATED LABORATORY METHOD DETECTION LIMIT (MDL) |
| | NA | NOT ANALYZED |
| | J | CONCENTRATION WAS REPORTED BETWEEN PQL AND THE MDL |
| | PQL | PRACTICAL QUANTITATION LIMIT |

SOIL BORING LOCATION

0 10 20
APPROXIMATE SCALE IN FEET

Stantec
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REDLANDS CALIFORNIA 92374
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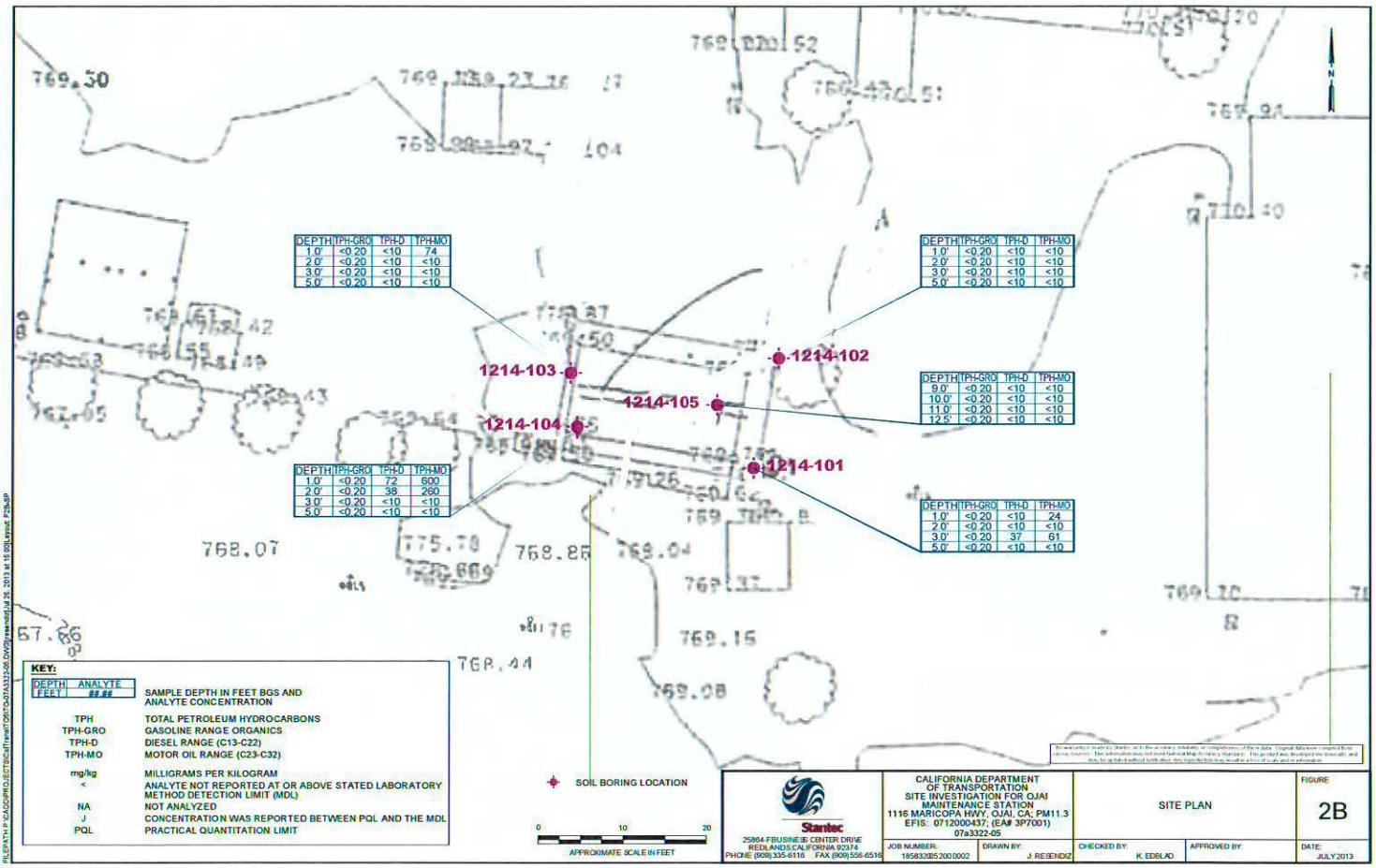
CALIFORNIA DEPARTMENT OF TRANSPORTATION
SITE INVESTIGATION FOR OJAI MAINTENANCE STATION
1116 MARICOPA HWY, OJAI, CA; PM11.3
EFIS: 07120000437; (EA# 3P7001)
07a3322-05

SITE PLAN

FIGURE: 2A

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185832005200002 | J. REGENDIZ | K. EDBLAD | | JULY 2013 |




| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | 74 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | <10 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 9.0' | <0.20 | <10 | <10 |
| 10.0' | <0.20 | <10 | <10 |
| 11.0' | <0.20 | <10 | <10 |
| 12.5' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | 72 | 600 |
| 2.0' | <0.20 | 38 | 260 |
| 3.0' | <0.20 | <10 | <10 |
| 5.0' | <0.20 | <10 | <10 |

| DEPTH | TPH-GRO | TPH-D | TPH-MO |
|---|---|---|---|
| 1.0' | <0.20 | <10 | 24 |
| 2.0' | <0.20 | <10 | <10 |
| 3.0' | <0.20 | 37 | 61 |
| 5.0' | <0.20 | <10 | <10 |

**KEY:**

| DEPTH FEET | ANALYTE ##.## | SAMPLE DEPTH IN FEET BGS AND ANALYTE CONCENTRATION |
|---|---|---|
| TPH | | TOTAL PETROLEUM HYDROCARBONS |
| TPH-GRO | | GASOLINE RANGE ORGANICS |
| TPH-D | | DIESEL RANGE (C13-C22) |
| TPH-MO | | MOTOR OIL RANGE (C23-C32) |
| mg/kg | | MILLIGRAMS PER KILOGRAM |
| < | | ANALYTE NOT REPORTED AT OR ABOVE STATED LABORATORY METHOD DETECTION LIMIT (MDL) |
| NA | | NOT ANALYZED |
| J | | CONCENTRATION WAS REPORTED BETWEEN PQL AND THE MDL |
| PQL | | PRACTICAL QUANTITATION LIMIT |

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SITE INVESTIGATION FOR OJAI MAINTENANCE STATION
1116 MARICOPA HWY, OJAI, CA; PM11.3
EFIS: 0712000437; (EA# 3P7001)
07a3322-05

SITE PLAN

FIGURE 2B

| JOB NUMBER: | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
|---|---|---|---|---|
| 185832005200 0002 | J. RESENDIZ | K. EDBLAD | | JULY 2013 |

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# APPENDIX A
# HASP FIELD FORM

## Acknowledgement and Agreement Form

### *"Zero Tolerance for Incidents of ANY Kind. Work Together to Ensure a SAFE and High Quality Project"*

All parties conducting site activities are required to coordinate their activities and practices with the Stantec Site Health and Safety Officer (SHSO). Stantec has provided a copy of this HASP to site contractors in the interest of disclosure of potential risks/hazards of which Stantec may be aware. Similarly, contractors shall inform Stantec of any potential site risks/hazards of which they are aware including the contractor's work, equipment, procedures and chemicals.

Your signature below confirms the following: that you have read and understand the potential risks/hazards identified by Stantec and the associated mitigation measures discussed in this HASP; that there may be additional risks or hazards that are not identified in this HASP; that you have received training and medical surveillance according to this HASP and the OSHA Standard on Hazardous Waste Operations and Emergency Response (29 CFR 1910.120); and that you understand that you could be prohibited by the Stantec Site Health and Safety Officer or other authorized Stantec personnel from working on this project for not complying with any aspect of this or any other applicable HASP.

**(All Stantec and subcontractor personnel must sign.)**

| Name | Signature | Company | Date |
|---|---|---|---|
| JOHN INANSKY | | Spectrum Geo | 7-9-13 |
| Anuya Jawant | | Stantec | 7/9/13 |
| Daniel Gonzalez | | Cor Probe | 7/9/13 |
| Munshi Mohsin | | CT | 7/9/13 |
| | | | |
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# DAILY PRODUCTION HEALTH AND SAFETY BRIEFING LOG

| | |
|---|---|
| **Date:** 7/9/13 | **Start Time:** 0700 |
| **Scope of Work:** | |
| **Issues Discussed:** | |
| 1. PPE | 6. |
| 2. Hospital Route | 7. |
| 3. Slips Trips Falls | 8. |
| 4. Uneven Surfaces | 9. |
| 5. Vehicular Traffic. | 10. |

**Attendees**

| Print Name and Company | Signature | Second Meeting (Initial) |
|---|---|---|
| JOHN IWANSKY Spectrum | | |
| Anuya Sawant Stantec | | |
| Daniel Gonzalez | | |
| Munshi Mohsin | | |
| | | |
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| | |
|---|---|
| **Meeting Conducted by:** | **Signature:** |
| Anuya Sawant | |
| **Name (Site Health and Safety Coordinator):** | **Signature:** |
| Anuya Sawant | |

# APPENDIX B
# BORING LOGS

PROJECT: **CalTrans, T.O. #5 - 07a3322 - SI**
LOCATION: **MaintenanceStation - 1116 Maricopa Hwy, Ojai CA**
PROJECT NUMBER: **185832005.200.0002**

WELL / PROBEHOLE / BOREHOLE NO: **1214-101**
PAGE 1 OF 1

Stantec

DRILLING: STARTED **7/9/13** COMPLETED: **7/9/13**
INSTALLATION: STARTED COMPLETED:
DRILLING COMPANY: **Coreprobe International Inc.**
DRILLING EQUIPMENT: **Core Machine / Hand Auger / DPT**
DRILLING METHOD: **Hand Auger / DPT**
SAMPLING EQUIPMENT: **SS Tubes / EPA Method 5035**

NORTHING (ft): EASTING (ft):
LATITUDE: **34° 26' 33.45"** LONGITUDE: **-119° 15' 40.22"**
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5**
STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**
LOGGED BY: **A. Sawant** CHECKED BY: **K. Edblad**

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Borehole Backfill |
|---|---|---|---|---|---|---|---|---|---|---|
| 1050 | | | ~6" Asphalt | | | | | | | Asphalt |
| | | SM | **SILTY SAND** ; SM; 7.5YR 4/3 brown; non plastic; dry; no odor; no staining; 35% fine to medium-grained sand, 35% silt; fine gravel | | 1320 1214-101-1.0 | 1/1 | | 0.0 | | |
| | | | | | 1325 1214-101-2.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; Increased moisture with depth; no odor; no staining | | | | | | | |
| | | | | | 1330 1214-101-3.0 | 1/1 | | 0.0 | | Backfill with existing native soil |
| | | | Same As Above; no odor; no staining | | | | | | | |
| | | SM-ML | SM-ML; Same As Above; no odor; no staining; increasing silt and clay content with depth | | 1335 1214-101-5.0 | 1/1 | | 0.0 | | |
| 1335 5 | | | Borehole terminated at 5 feet. | | | | | | 5 | |

PROJECT: **CalTrans, T.O. #5 - 07a3322 - SI**
LOCATION: **MaintenanceStation - 1116 Maricopa Hwy, Ojai CA**
PROJECT NUMBER: **185832005.200.0002**

WELL / PROBEHOLE / BOREHOLE NO: **1214-102**
PAGE 1 OF 1

DRILLING: STARTED **7/9/13** COMPLETED: **7/9/13**
INSTALLATION: STARTED COMPLETED:
DRILLING COMPANY: **Coreprobe International Inc.**
DRILLING EQUIPMENT: **Core Machine / Hand Auger / DPT**
DRILLING METHOD: **Hand Auger / DPT**
SAMPLING EQUIPMENT: **SS Tubes / EPA Method 5035**

NORTHING (ft): EASTING (ft):
LATITUDE: **34° 26' 33.6"** LONGITUDE: **-119° 15' 40.27"**
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5**
STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**
LOGGED BY: **A. Sawant** CHECKED BY: **K. Edblad**

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Borehole Backfill |
|---|---|---|---|---|---|---|---|---|---|---|
| 0940 | | | ~5" Asphalt | | | | | | | Asphalt |
| | | SM | **SILTY SAND** ; SM; 7.5YR 4/3 brown; dry; no odor; no staining; 30-40% fine to medium-grained sand, 30% silt; trace fine gravel | | 0915 1214-102-1.0 | 1/1 | | 0.0 | | |
| | | | | | 0920 1214-102-2.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; increased moisture with depth; no odor; no staining | | | | | | | |
| | | | | | 0930 1214-102-3.0 | 1/1 | | 0.0 | | Backfill with existing native soil |
| | | | Same As Above; no odor; no staining | | | | | | | |
| | | | Increasing fines content with depth | | | | | | | |
| | | | Same As Above; no odor; no staining | | 0940 1214-102-5.0 | 1/1 | | 0.0 | | |
| 1350 5 | | | Borehole terminated at 5 feet. | | | | | | 5 | |

PROJECT: **CalTrans, T.O. #5 - 07a3322 - SI**
LOCATION: **MaintenanceStation - 1116 Maricopa Hwy, Ojai CA**
PROJECT NUMBER: **185832005.200.0002**

WELL / PROBEHOLE / BOREHOLE NO: **1214-103**
PAGE 1 OF 1

Stantec

DRILLING: STARTED **7/9/13** COMPLETED: **7/9/13**
INSTALLATION: STARTED COMPLETED:
DRILLING COMPANY: **Coreprobe International Inc.**
DRILLING EQUIPMENT: **Core Machine / Hand Auger / DPT**
DRILLING METHOD: **Hand Auger / DPT**
SAMPLING EQUIPMENT: **SS Tubes / EPA Method 5035**

NORTHING (ft): EASTING (ft):
LATITUDE: **34° 26' 33.51"** LONGITUDE: **-119° 15' 40.65"**
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5**
STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**
LOGGED BY: **A. Sawant** CHECKED BY: **K. Edblad**

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Borehole Backfill |
|---|---|---|---|---|---|---|---|---|---|---|
| 0920 | | | ~5" Asphalt | | | | | | | Asphalt |
| | | SM | **SILTY SAND** ; SM; 7.5YR 4/3 brown; dry; no odor; no staining; micaceous; 40% fine to medium-grained sand, 30% silt; trace fine gravel | X | 1220 1214-103-1.0 | 1/1 | | 0.0 | | |
| | | | | X | 1225 1214-103-2.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; increased moisture with depth; no odor; no staining | | | | | | | |
| | | | | X | 1230 1214-103-3.0 | 1/1 | | 0.0 | | Backfill with existing native soil |
| | | | Same As Above; no odor; no staining | | | | | | | |
| | | | Same As Above; no odor; no staining; Increasing fines content with depth | X | 1235 1214-103-5.0 | 1/1 | | 0.0 | | |
| 1235 5 | | | Borehole terminated at 5 feet. | | | | | | 5 | |

PROJECT: **CalTrans, T.O. #5 - 07a3322 - SI**
LOCATION: **MaintenanceStation - 1116 Maricopa Hwy, Ojai CA**
PROJECT NUMBER: **185832005.200.0002**

WELL / PROBEHOLE / BOREHOLE NO: **1214-104**
PAGE 1 OF 1

Stantec

DRILLING: STARTED **7/9/13** COMPLETED: **7/9/13**
INSTALLATION: STARTED COMPLETED:
DRILLING COMPANY: **Coreprobe International Inc.**
DRILLING EQUIPMENT: **Core Machine / Hand Auger / DPT**
DRILLING METHOD: **Hand Auger / DPT**
SAMPLING EQUIPMENT: **SS Tubes / EPA Method 5035**

NORTHING (ft):
LATITUDE: **34° 26' 33.41"**
GROUND ELEV (ft):
INITIAL DTW (ft): **Not Encountered**
STATIC DTW (ft): **Not Encountered**
WELL CASING DIAMETER (in): **---**
LOGGED BY: **A. Sawant**

EASTING (ft):
LONGITUDE: **-119° 15' 40.64"**
TOC ELEV (ft):
BOREHOLE DEPTH (ft): **5**
WELL DEPTH (ft):
BOREHOLE DIAMETER (in): **4**
CHECKED BY: **K. Edblad**

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Borehole Backfill |
|---|---|---|---|---|---|---|---|---|---|---|
| 1045 | | | ~6" Asphalt | | | | | | | Asphalt |
| | | SM | **SILTY SAND** ; SM; 7.5YR 4/3 brown; low plasticity; dry; no odor; no staining; 40% fine to medium-grained sand, 30% silt; trace clay | X | 1100 1214-104-1.0 | 1/1 | | 0.0 | | |
| | | | | X | 1105 1214-104-2.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; increased moisture with depth; no odor; no staining | | | | | | | |
| | | | | X | 1110 1214-104-3.0 | 1/1 | | 0.0 | | Backfill with existing native soil |
| | | | Same As Above; no odor; no staining | | | | | | | |
| | | SM-ML | SM-ML; Same As Above; no odor; no staining; becoming increasingly fine with depth | X | 1115 1214-104-5.0 | 1/1 | | 0.0 | | |
| 1115 5 | | | Borehole terminated at 5 feet. | | | | | | 5 | |

| | |
|---|---|
| PROJECT: **CalTrans, T.O. #5 - 07a3322 - SI**<br>LOCATION: **MaintenanceStation - 1116 Maricopa Hwy, Ojai CA**<br>PROJECT NUMBER: **185832005.200.0002** | WELL / PROBEHOLE / BOREHOLE NO: **1214-105**<br>PAGE 1 OF 1 |
| DRILLING: STARTED **7/9/13** COMPLETED: **7/9/13**<br>INSTALLATION: STARTED COMPLETED:<br>DRILLING COMPANY: **Coreprobe International Inc.**<br>DRILLING EQUIPMENT: **Core Machine / Hand Auger / DPT**<br>DRILLING METHOD: **Hand Auger / DPT**<br>SAMPLING EQUIPMENT: **Acetate Sleeve / EPA Method 5035** | NORTHING (ft): EASTING (ft):<br>LATITUDE: **34° 26' 33.45"** LONGITUDE: **-119° 15' 40.34"**<br>GROUND ELEV (ft): TOC ELEV (ft):<br>INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **12.5**<br>STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):<br>WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **4**<br>LOGGED BY: **A. Sawant** CHECKED BY: **K. Edblad** |

| Time & Depth (feet) | Graphic Log | USCS | Description | Sample | Time Sample ID | Measured Recov. (feet) | Blow Count | Headspace PID (units) | Depth (feet) | Borehole Backfill |
|---|---|---|---|---|---|---|---|---|---|---|
| 1430 | | | ~8" Concrete (slab) | | | | | | | Concrete |
| | | SM | **SILTY SAND** ; SM; 7.5YR 3/3 dark brown; low plasticity; moist; no odor; no staining; 45% fine to medium-grained sand, 30% silt, trace clay (~5%) | | | | | 0.0 | | |
| 5 | | SM-ML | **SILTY SAND TO SANDY SILT** ; SM-ML; 7.5YR 4/3 brown; low plasticity; dry; no odor; no staining; 40% fine to medium-grained sand, 30% silt, trace clay | | | | | 0.0 | 5 | Backfill with existing native soil with bentonite |
| | | | | | 1440 1214-105-9.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; increased moisture with depth; no odor; no staining | | | | | | | |
| | | | | | 1445 214-105-10.0 | 1/1 | | 0.0 | | |
| 10 | | | Increasing fines<br>Same As Above; no odor; no staining | | | | | | 10 | |
| | | | | | 1450 214-105-11.0 | 1/1 | | 0.0 | | |
| | | | Same As Above; no odor; no staining | | | | | | | |
| | | | Same As Above; no odor; no staining | | 1500 214-105-12.5 | 1/1 | | 0.0 | | |
| 1500 | | | Borehole terminated at 12.5 feet. | | | | | | | |

# APPENDIX C
# ANALYTICAL LABORATORY REPORTS and CHAIN-OF-CUSTODY RECORDS

ADVANCED TECHNOLOGY
LABORATORIES

July 25, 2013

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Kristy Edblad
Stantec
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Tel: (805) 230-1266
Fax:(805) 230-1277

Re: ATL Work Order Number : 1302006

Client Reference : 07A3322-05-Ojai, 185832005, 200.0004

Enclosed are the results for sample(s) received on July 10, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 1214-101-1.0 | 1302006-01 | Soil | 7/09/13 13:20 | 7/10/13 10:50 |
| 1214-101-2.0 | 1302006-02 | Soil | 7/09/13 13:25 | 7/10/13 10:50 |
| 1214-101-3.0 | 1302006-03 | Soil | 7/09/13 13:30 | 7/10/13 10:50 |
| 1214-101-5.0 | 1302006-04 | Soil | 7/09/13 13:35 | 7/10/13 10:50 |
| 1214-102-1.0 | 1302006-05 | Soil | 7/09/13 9:15 | 7/10/13 10:50 |
| 1214-102-2.0 | 1302006-06 | Soil | 7/09/13 9:20 | 7/10/13 10:50 |
| 1214-102-3.0 | 1302006-07 | Soil | 7/09/13 9:30 | 7/10/13 10:50 |
| 1214-102-5.0 | 1302006-08 | Soil | 7/09/13 9:40 | 7/10/13 10:50 |
| 1214-103-1.0 | 1302006-09 | Soil | 7/09/13 12:20 | 7/10/13 10:50 |
| 1214-103-2.0 | 1302006-10 | Soil | 7/09/13 12:25 | 7/10/13 10:50 |
| 1214-103-3.0 | 1302006-11 | Soil | 7/09/13 12:30 | 7/10/13 10:50 |
| 1214-103-5.0 | 1302006-12 | Soil | 7/09/13 12:35 | 7/10/13 10:50 |
| 1214-104-1.0 | 1302006-13 | Soil | 7/09/13 11:00 | 7/10/13 10:50 |
| 1214-104-2.0 | 1302006-14 | Soil | 7/09/13 11:05 | 7/10/13 10:50 |
| 1214-104-3.0 | 1302006-15 | Soil | 7/09/13 11:10 | 7/10/13 10:50 |
| 1214-104-5.0 | 1302006-16 | Soil | 7/09/13 11:15 | 7/10/13 10:50 |
| 1214-105-9.0 | 1302006-17 | Soil | 7/09/13 14:40 | 7/10/13 10:50 |
| 1214-105-10.0 | 1302006-18 | Soil | 7/09/13 14:45 | 7/10/13 10:50 |
| 1214-105-11.0 | 1302006-19 | Soil | 7/09/13 14:50 | 7/10/13 10:50 |
| 1214-105-12.5 | 1302006-20 | Soil | 7/09/13 15:00 | 7/10/13 10:50 |
| 1214-EB | 1302006-21 | Water | 7/09/13 10:20 | 7/10/13 10:50 |
| Trip Blank | 1302006-22 | Water | 7/09/13 0:00 | 7/10/13 10:50 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## CASE NARRATIVE

EPA 8260 analysis was performed using 5035 preservation requirements except sample 1214-105-12.5. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Sample Receiving/General Comments:

Documentation pertaining to additional analyses/change order available upon request.

Results were J-flagged. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-101-1.0
## Lab ID: 1302006-01

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 15:24 | |
| *Surrogate: 4-Bromofluorobenzene* | *109 %* | | *54 - 150* | | B3G0263 | 07/17/2013 | *07/17/13 15:24* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 23:33 | |
| **T/R Hydrocarbons: C23-C32** | **24** | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 23:33 | |
| *Surrogate: p-Terphenyl* | *113 %* | | *55 - 153* | | B3G0250 | 07/15/2013 | *07/15/13 23:33* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1,1-Trichloroethane | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.3 | 2.8 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1,2-Trichloroethane | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1-Dichloroethane | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1-Dichloroethene | ND | 6.3 | 1.8 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,1-Dichloropropene | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2,3-Trichloropropane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2,3-Trichlorobenzene | ND | 6.3 | 2.9 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2,4-Trichlorobenzene | ND | 6.3 | 1.8 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2,4-Trimethylbenzene | ND | 6.3 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2-Dibromo-3-chloropropane | ND | 13 | 4.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2-Dibromoethane | ND | 6.3 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2-Dichlorobenzene | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2-Dichloroethane | ND | 6.3 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,2-Dichloropropane | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,3,5-Trimethylbenzene | ND | 6.3 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,3-Dichlorobenzene | ND | 6.3 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,3-Dichloropropane | ND | 6.3 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 1,4-Dichlorobenzene | ND | 6.3 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 2,2-Dichloropropane | ND | 6.3 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 2-Chlorotoluene | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-1.0

## Lab ID: 1302006-01

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| 4-Isopropyltoluene | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| **Benzene** | **2.2** | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | J |
| Bromobenzene | ND | 6.3 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Bromochloromethane | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Bromodichloromethane | ND | 6.3 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Bromoform | ND | 6.3 | 0.65 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Bromomethane | ND | 6.3 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Carbon disulfide | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Carbon tetrachloride | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Chlorobenzene | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Chloroethane | ND | 6.3 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Chloroform | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Chloromethane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| cis-1,2-Dichloroethene | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| cis-1,3-Dichloropropene | ND | 6.3 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Di-isopropyl ether | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Dibromochloromethane | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Dibromomethane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Dichlorodifluoromethane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Ethyl Acetate | ND | 63 | 9.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Ethyl Ether | ND | 63 | 12 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Ethyl tert-butyl ether | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Ethylbenzene | ND | 6.3 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Freon-113 | ND | 6.3 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Hexachlorobutadiene | ND | 6.3 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Isopropylbenzene | ND | 6.3 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| m,p-Xylene | ND | 13 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Methylene chloride | ND | 6.3 | 6.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| MTBE | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| n-Butylbenzene | ND | 6.3 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| n-Propylbenzene | ND | 6.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Naphthalene | ND | 6.3 | 3.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| o-Xylene | ND | 6.3 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| sec-Butylbenzene | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Styrene | ND | 6.3 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| tert-Amyl methyl ether | ND | 6.3 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-1.0

## Lab ID: 1302006-01

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 130 | 22 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| tert-Butylbenzene | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Tetrachloroethene | ND | 6.3 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| **Toluene** | **1.6** | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | J |
| trans-1,2-Dichloroethene | ND | 6.3 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| trans-1,3-Dichloropropene | ND | 63 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Trichloroethene | ND | 6.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Trichlorofluoromethane | ND | 6.3 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Vinyl acetate | ND | 63 | 10 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| Vinyl chloride | ND | 6.3 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:03 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *116 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/11/13 23:03* | |
| *Surrogate: 4-Bromofluorobenzene* | *97.7 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/11/13 23:03* | |
| *Surrogate: Dibromofluoromethane* | *105 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/11/13 23:03* | |
| *Surrogate: Toluene-d8* | *100 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/11/13 23:03* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-2.0
## Lab ID: 1302006-02

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 15:45 | |
| *Surrogate: 4-Bromofluorobenzene* | *108 %* | | *54 - 150* | | B3G0263 | 07/17/2013 | *07/17/13 15:45* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 13:31 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 13:31 | |
| *Surrogate: p-Terphenyl* | *99.0 %* | | *55 - 153* | | B3G0250 | 07/15/2013 | *07/15/13 13:31* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1,1-Trichloroethane | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | 3.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1,2-Trichloroethane | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1-Dichloroethane | ND | 6.9 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1-Dichloroethene | ND | 6.9 | 1.9 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,1-Dichloropropene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2,3-Trichloropropane | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2,3-Trichlorobenzene | ND | 6.9 | 3.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2,4-Trichlorobenzene | ND | 6.9 | 2.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2,4-Trimethylbenzene | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2-Dibromo-3-chloropropane | ND | 14 | 5.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2-Dibromoethane | ND | 6.9 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2-Dichlorobenzene | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2-Dichloroethane | ND | 6.9 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,2-Dichloropropane | ND | 6.9 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,3,5-Trimethylbenzene | ND | 6.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,3-Dichlorobenzene | ND | 6.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,3-Dichloropropane | ND | 6.9 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 1,4-Dichlorobenzene | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 2,2-Dichloropropane | ND | 6.9 | 1.9 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 2-Chlorotoluene | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-101-2.0

## Lab ID: 1302006-02

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| 4-Isopropyltoluene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Benzene | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Bromobenzene | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Bromochloromethane | ND | 6.9 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Bromodichloromethane | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Bromoform | ND | 6.9 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Bromomethane | ND | 6.9 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Carbon disulfide | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Carbon tetrachloride | ND | 6.9 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Chlorobenzene | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Chloroethane | ND | 6.9 | 1.8 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Chloroform | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Chloromethane | ND | 6.9 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| cis-1,2-Dichloroethene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| cis-1,3-Dichloropropene | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Di-isopropyl ether | ND | 6.9 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Dibromochloromethane | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Dibromomethane | ND | 6.9 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Dichlorodifluoromethane | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Ethyl Acetate | ND | 69 | 10 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Ethyl Ether | ND | 69 | 13 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Ethyl tert-butyl ether | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Ethylbenzene | ND | 6.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Freon-113 | ND | 6.9 | 1.8 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Hexachlorobutadiene | ND | 6.9 | 1.9 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Isopropylbenzene | ND | 6.9 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| m,p-Xylene | ND | 14 | 2.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Methylene chloride | ND | 6.9 | 6.9 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| MTBE | ND | 6.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| n-Butylbenzene | ND | 6.9 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| n-Propylbenzene | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Naphthalene | ND | 6.9 | 3.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| o-Xylene | ND | 6.9 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| sec-Butylbenzene | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Styrene | ND | 6.9 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| tert-Amyl methyl ether | ND | 6.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-2.0

## Lab ID: 1302006-02

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 140 | 25 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| tert-Butylbenzene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Tetrachloroethene | ND | 6.9 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Toluene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| trans-1,2-Dichloroethene | ND | 6.9 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| trans-1,3-Dichloropropene | ND | 69 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Trichloroethene | ND | 6.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Trichlorofluoromethane | ND | 6.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Vinyl acetate | ND | 69 | 11 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| Vinyl chloride | ND | 6.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:41 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *117 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/11/13 23:41* | |
| *Surrogate: 4-Bromofluorobenzene* | *96.6 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/11/13 23:41* | |
| *Surrogate: Dibromofluoromethane* | *105 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/11/13 23:41* | |
| *Surrogate: Toluene-d8* | *98.8 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/11/13 23:41* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-3.0
## Lab ID: 1302006-03

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 16:05 | |
| *Surrogate: 4-Bromofluorobenzene* | *100 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 16:05* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **T/R Hydrocarbons: C13-C22** | **37** | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 23:49 | |
| **T/R Hydrocarbons: C23-C32** | **61** | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 23:49 | |
| *Surrogate: p-Terphenyl* | *111 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 23:49* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1,1-Trichloroethane | ND | 5.1 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.1 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1,2-Trichloroethane | ND | 5.1 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1-Dichloroethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1-Dichloroethene | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,1-Dichloropropene | ND | 5.1 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2,3-Trichloropropane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2,3-Trichlorobenzene | ND | 5.1 | 2.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2,4-Trichlorobenzene | ND | 5.1 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2,4-Trimethylbenzene | ND | 5.1 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 3.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2-Dibromoethane | ND | 5.1 | 0.61 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2-Dichlorobenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2-Dichloroethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,2-Dichloropropane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,3,5-Trimethylbenzene | ND | 5.1 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,3-Dichlorobenzene | ND | 5.1 | 0.77 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,3-Dichloropropane | ND | 5.1 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 1,4-Dichlorobenzene | ND | 5.1 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 2,2-Dichloropropane | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 2-Chlorotoluene | ND | 5.1 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-3.0

## Lab ID: 1302006-03

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.1 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| 4-Isopropyltoluene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Benzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Bromobenzene | ND | 5.1 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Bromochloromethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Bromodichloromethane | ND | 5.1 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Bromoform | ND | 5.1 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Bromomethane | ND | 5.1 | 0.67 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Carbon disulfide | ND | 5.1 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Carbon tetrachloride | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Chlorobenzene | ND | 5.1 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Chloroethane | ND | 5.1 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Chloroform | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Chloromethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| cis-1,2-Dichloroethene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| cis-1,3-Dichloropropene | ND | 5.1 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Di-isopropyl ether | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Dibromochloromethane | ND | 5.1 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Dibromomethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Dichlorodifluoromethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Ethyl Acetate | ND | 51 | 7.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Ethyl Ether | ND | 51 | 9.5 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Ethyl tert-butyl ether | ND | 5.1 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Ethylbenzene | ND | 5.1 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Freon-113 | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Hexachlorobutadiene | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Isopropylbenzene | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| m,p-Xylene | ND | 10 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Methylene chloride | ND | 5.1 | 5.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| MTBE | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| n-Butylbenzene | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| n-Propylbenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Naphthalene | ND | 5.1 | 2.7 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| o-Xylene | ND | 5.1 | 0.65 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| sec-Butylbenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Styrene | ND | 5.1 | 0.57 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| tert-Amyl methyl ether | ND | 5.1 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-101-3.0**

**Lab ID: 1302006-03**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 100 | 18 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| tert-Butylbenzene | ND | 5.1 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Tetrachloroethene | ND | 5.1 | 0.63 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Toluene | ND | 5.1 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| trans-1,2-Dichloroethene | ND | 5.1 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| trans-1,3-Dichloropropene | ND | 51 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Trichloroethene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Trichlorofluoromethane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Vinyl acetate | ND | 51 | 8.4 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| Vinyl chloride | ND | 5.1 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/11/13 23:59 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *120 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/11/13 23:59* | |
| *Surrogate: 4-Bromofluorobenzene* | *94.9 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/11/13 23:59* | |
| *Surrogate: Dibromofluoromethane* | *108 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/11/13 23:59* | |
| *Surrogate: Toluene-d8* | *100 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/11/13 23:59* | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-101-5.0
## Lab ID: 1302006-04

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 16:26 | |
| *Surrogate: 4-Bromofluorobenzene* | *107 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 16:26* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 13:48 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 13:48 | |
| *Surrogate: p-Terphenyl* | *99.3 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 13:48* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.3 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1,1-Trichloroethane | ND | 4.3 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.3 | 1.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1,2-Trichloroethane | ND | 4.3 | 0.77 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1-Dichloroethane | ND | 4.3 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1-Dichloroethene | ND | 4.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,1-Dichloropropene | ND | 4.3 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2,3-Trichloropropane | ND | 4.3 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2,3-Trichlorobenzene | ND | 4.3 | 2.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2,4-Trichlorobenzene | ND | 4.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2,4-Trimethylbenzene | ND | 4.3 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2-Dibromo-3-chloropropane | ND | 8.5 | 3.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2-Dibromoethane | ND | 4.3 | 0.51 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2-Dichlorobenzene | ND | 4.3 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2-Dichloroethane | ND | 4.3 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,2-Dichloropropane | ND | 4.3 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,3,5-Trimethylbenzene | ND | 4.3 | 0.65 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,3-Dichlorobenzene | ND | 4.3 | 0.64 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,3-Dichloropropane | ND | 4.3 | 0.47 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 1,4-Dichlorobenzene | ND | 4.3 | 0.68 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 2,2-Dichloropropane | ND | 4.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 2-Chlorotoluene | ND | 4.3 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-101-5.0**

**Lab ID: 1302006-04**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.3 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| 4-Isopropyltoluene | ND | 4.3 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Benzene | ND | 4.3 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Bromobenzene | ND | 4.3 | 0.67 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Bromochloromethane | ND | 4.3 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Bromodichloromethane | ND | 4.3 | 0.68 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Bromoform | ND | 4.3 | 0.44 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Bromomethane | ND | 4.3 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Carbon disulfide | ND | 4.3 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Carbon tetrachloride | ND | 4.3 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Chlorobenzene | ND | 4.3 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Chloroethane | ND | 4.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Chloroform | ND | 4.3 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Chloromethane | ND | 4.3 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| cis-1,2-Dichloroethene | ND | 4.3 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| cis-1,3-Dichloropropene | ND | 4.3 | 0.66 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Di-isopropyl ether | ND | 4.3 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Dibromochloromethane | ND | 4.3 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Dibromomethane | ND | 4.3 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Dichlorodifluoromethane | ND | 4.3 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Ethyl Acetate | ND | 43 | 6.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Ethyl Ether | ND | 43 | 8.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Ethyl tert-butyl ether | ND | 4.3 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Ethylbenzene | ND | 4.3 | 0.69 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Freon-113 | ND | 4.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Hexachlorobutadiene | ND | 4.3 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Isopropylbenzene | ND | 4.3 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| m,p-Xylene | ND | 8.5 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Methylene chloride | ND | 4.3 | 4.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| MTBE | ND | 4.3 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| n-Butylbenzene | ND | 4.3 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| n-Propylbenzene | ND | 4.3 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Naphthalene | ND | 4.3 | 2.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| o-Xylene | ND | 4.3 | 0.54 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| sec-Butylbenzene | ND | 4.3 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Styrene | ND | 4.3 | 0.47 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| tert-Amyl methyl ether | ND | 4.3 | 0.62 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-101-5.0

## Lab ID: 1302006-04

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 85 | 15 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| tert-Butylbenzene | ND | 4.3 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Tetrachloroethene | ND | 4.3 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Toluene | ND | 4.3 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| trans-1,2-Dichloroethene | ND | 4.3 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| trans-1,3-Dichloropropene | ND | 43 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Trichloroethene | ND | 4.3 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Trichlorofluoromethane | ND | 4.3 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Vinyl acetate | ND | 43 | 7.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| Vinyl chloride | ND | 4.3 | 0.64 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:18 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *118 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 00:18* | |
| *Surrogate: 4-Bromofluorobenzene* | *97.8 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 00:18* | |
| *Surrogate: Dibromofluoromethane* | *107 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 00:18* | |
| *Surrogate: Toluene-d8* | *99.1 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 00:18* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-102-1.0
## Lab ID: 1302006-05

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 16:47 | |
| *Surrogate: 4-Bromofluorobenzene* | *106 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 16:47* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 16:54 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 16:54 | |
| *Surrogate: p-Terphenyl* | *124 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 16:54* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.8 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1,1-Trichloroethane | ND | 4.8 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 | 2.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1,2-Trichloroethane | ND | 4.8 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1-Dichloroethene | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,1-Dichloropropene | ND | 4.8 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2,3-Trichloropropane | ND | 4.8 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2,3-Trichlorobenzene | ND | 4.8 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2,4-Trichlorobenzene | ND | 4.8 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2,4-Trimethylbenzene | ND | 4.8 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.5 | 3.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2-Dibromoethane | ND | 4.8 | 0.57 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2-Dichlorobenzene | ND | 4.8 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,2-Dichloropropane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,3,5-Trimethylbenzene | ND | 4.8 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,3-Dichlorobenzene | ND | 4.8 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,3-Dichloropropane | ND | 4.8 | 0.52 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 1,4-Dichlorobenzene | ND | 4.8 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 2,2-Dichloropropane | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 2-Chlorotoluene | ND | 4.8 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-1.0

## Lab ID: 1302006-05

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.8 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| 4-Isopropyltoluene | ND | 4.8 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Benzene | ND | 4.8 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Bromobenzene | ND | 4.8 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Bromochloromethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Bromodichloromethane | ND | 4.8 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Bromoform | ND | 4.8 | 0.49 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Bromomethane | ND | 4.8 | 0.63 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Carbon disulfide | ND | 4.8 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Carbon tetrachloride | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Chlorobenzene | ND | 4.8 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Chloroethane | ND | 4.8 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Chloroform | ND | 4.8 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Chloromethane | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| cis-1,2-Dichloroethene | ND | 4.8 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| cis-1,3-Dichloropropene | ND | 4.8 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Di-isopropyl ether | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Dibromochloromethane | ND | 4.8 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Dibromomethane | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Dichlorodifluoromethane | ND | 4.8 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Ethyl Acetate | ND | 48 | 7.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Ethyl Ether | ND | 48 | 8.8 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Ethyl tert-butyl ether | ND | 4.8 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Ethylbenzene | ND | 4.8 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Freon-113 | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Hexachlorobutadiene | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Isopropylbenzene | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| m,p-Xylene | ND | 9.5 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Methylene chloride | ND | 4.8 | 4.8 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| MTBE | ND | 4.8 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| n-Butylbenzene | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| n-Propylbenzene | ND | 4.8 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Naphthalene | ND | 4.8 | 2.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| o-Xylene | ND | 4.8 | 0.60 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| sec-Butylbenzene | ND | 4.8 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Styrene | ND | 4.8 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| tert-Amyl methyl ether | ND | 4.8 | 0.69 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-102-1.0

## Lab ID: 1302006-05

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 95 | 17 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| tert-Butylbenzene | ND | 4.8 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Tetrachloroethene | ND | 4.8 | 0.59 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Toluene | ND | 4.8 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| trans-1,2-Dichloroethene | ND | 4.8 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| trans-1,3-Dichloropropene | ND | 48 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Trichloroethene | ND | 4.8 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Trichlorofluoromethane | ND | 4.8 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Vinyl acetate | ND | 48 | 7.8 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| Vinyl chloride | ND | 4.8 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:36 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *114 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 00:36* | |
| *Surrogate: 4-Bromofluorobenzene* | *91.9 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 00:36* | |
| *Surrogate: Dibromofluoromethane* | *105 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 00:36* | |
| *Surrogate: Toluene-d8* | *98.1 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 00:36* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-102-2.0

## Lab ID: 1302006-06

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 17:07 | |
| *Surrogate: 4-Bromofluorobenzene* | *104 %* | | *54 - 150* | | B3G0263 | 07/17/2013 | *07/17/13 17:07* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:11 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:11 | |
| *Surrogate: p-Terphenyl* | *104 %* | | *55 - 153* | | B3G0250 | 07/15/2013 | *07/15/13 17:11* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1,1-Trichloroethane | ND | 5.1 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.1 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1,2-Trichloroethane | ND | 5.1 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1-Dichloroethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1-Dichloroethene | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,1-Dichloropropene | ND | 5.1 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2,3-Trichloropropane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2,3-Trichlorobenzene | ND | 5.1 | 2.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2,4-Trichlorobenzene | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2,4-Trimethylbenzene | ND | 5.1 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 3.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2-Dibromoethane | ND | 5.1 | 0.61 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2-Dichlorobenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2-Dichloroethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,2-Dichloropropane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,3,5-Trimethylbenzene | ND | 5.1 | 0.77 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,3-Dichlorobenzene | ND | 5.1 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,3-Dichloropropane | ND | 5.1 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 1,4-Dichlorobenzene | ND | 5.1 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 2,2-Dichloropropane | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 2-Chlorotoluene | ND | 5.1 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-2.0

## Lab ID: 1302006-06

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.1 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| 4-Isopropyltoluene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Benzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Bromobenzene | ND | 5.1 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Bromochloromethane | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Bromodichloromethane | ND | 5.1 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Bromoform | ND | 5.1 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Bromomethane | ND | 5.1 | 0.67 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Carbon disulfide | ND | 5.1 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Carbon tetrachloride | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Chlorobenzene | ND | 5.1 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Chloroethane | ND | 5.1 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Chloroform | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Chloromethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| cis-1,2-Dichloroethene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| cis-1,3-Dichloropropene | ND | 5.1 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Di-isopropyl ether | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Dibromochloromethane | ND | 5.1 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Dibromomethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Dichlorodifluoromethane | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Ethyl Acetate | ND | 51 | 7.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Ethyl Ether | ND | 51 | 9.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Ethyl tert-butyl ether | ND | 5.1 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Ethylbenzene | ND | 5.1 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Freon-113 | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Hexachlorobutadiene | ND | 5.1 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Isopropylbenzene | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| m,p-Xylene | ND | 10 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Methylene chloride | ND | 5.1 | 5.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| MTBE | ND | 5.1 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| n-Butylbenzene | ND | 5.1 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| n-Propylbenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Naphthalene | ND | 5.1 | 2.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| o-Xylene | ND | 5.1 | 0.65 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| sec-Butylbenzene | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Styrene | ND | 5.1 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| tert-Amyl methyl ether | ND | 5.1 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-2.0

## Lab ID: 1302006-06

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 100 | 18 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| tert-Butylbenzene | ND | 5.1 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Tetrachloroethene | ND | 5.1 | 0.63 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Toluene | ND | 5.1 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| trans-1,2-Dichloroethene | ND | 5.1 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| trans-1,3-Dichloropropene | ND | 51 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Trichloroethene | ND | 5.1 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Trichlorofluoromethane | ND | 5.1 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Vinyl acetate | ND | 51 | 8.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| Vinyl chloride | ND | 5.1 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 00:55 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *118 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 00:55* | |
| *Surrogate: 4-Bromofluorobenzene* | *94.1 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 00:55* | |
| *Surrogate: Dibromofluoromethane* | *108 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 00:55* | |
| *Surrogate: Toluene-d8* | *99.1 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 00:55* | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-102-3.0
## Lab ID: 1302006-07

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 17:27 | |
| *Surrogate: 4-Bromofluorobenzene* | *99.2 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 17:27* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:27 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:27 | |
| *Surrogate: p-Terphenyl* | *114 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 17:27* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.4 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1,1-Trichloroethane | ND | 4.4 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.4 | 1.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1,2-Trichloroethane | ND | 4.4 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1-Dichloroethane | ND | 4.4 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1-Dichloroethene | ND | 4.4 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,1-Dichloropropene | ND | 4.4 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2,3-Trichloropropane | ND | 4.4 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2,3-Trichlorobenzene | ND | 4.4 | 2.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2,4-Trichlorobenzene | ND | 4.4 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2,4-Trimethylbenzene | ND | 4.4 | 0.73 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2-Dibromo-3-chloropropane | ND | 8.8 | 3.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2-Dibromoethane | ND | 4.4 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2-Dichlorobenzene | ND | 4.4 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2-Dichloroethane | ND | 4.4 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,2-Dichloropropane | ND | 4.4 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,3,5-Trimethylbenzene | ND | 4.4 | 0.67 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,3-Dichlorobenzene | ND | 4.4 | 0.66 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,3-Dichloropropane | ND | 4.4 | 0.49 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 1,4-Dichlorobenzene | ND | 4.4 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 2,2-Dichloropropane | ND | 4.4 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 2-Chlorotoluene | ND | 4.4 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-3.0

## Lab ID: 1302006-07

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.4 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| 4-Isopropyltoluene | ND | 4.4 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Benzene | ND | 4.4 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Bromobenzene | ND | 4.4 | 0.69 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Bromochloromethane | ND | 4.4 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Bromodichloromethane | ND | 4.4 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Bromoform | ND | 4.4 | 0.46 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Bromomethane | ND | 4.4 | 0.58 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Carbon disulfide | ND | 4.4 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Carbon tetrachloride | ND | 4.4 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Chlorobenzene | ND | 4.4 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Chloroethane | ND | 4.4 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Chloroform | ND | 4.4 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Chloromethane | ND | 4.4 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| cis-1,2-Dichloroethene | ND | 4.4 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| cis-1,3-Dichloropropene | ND | 4.4 | 0.68 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Di-isopropyl ether | ND | 4.4 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Dibromochloromethane | ND | 4.4 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Dibromomethane | ND | 4.4 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Dichlorodifluoromethane | ND | 4.4 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Ethyl Acetate | ND | 44 | 6.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Ethyl Ether | ND | 44 | 8.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Ethyl tert-butyl ether | ND | 4.4 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Ethylbenzene | ND | 4.4 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Freon-113 | ND | 4.4 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Hexachlorobutadiene | ND | 4.4 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Isopropylbenzene | ND | 4.4 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| m,p-Xylene | ND | 8.8 | 1.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Methylene chloride | ND | 4.4 | 4.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| MTBE | ND | 4.4 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| n-Butylbenzene | ND | 4.4 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| n-Propylbenzene | ND | 4.4 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Naphthalene | ND | 4.4 | 2.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| o-Xylene | ND | 4.4 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| sec-Butylbenzene | ND | 4.4 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Styrene | ND | 4.4 | 0.49 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| tert-Amyl methyl ether | ND | 4.4 | 0.64 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-102-3.0

## Lab ID: 1302006-07

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 88 | 16 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| tert-Butylbenzene | ND | 4.4 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Tetrachloroethene | ND | 4.4 | 0.54 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Toluene | ND | 4.4 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| trans-1,2-Dichloroethene | ND | 4.4 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| trans-1,3-Dichloropropene | ND | 44 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Trichloroethene | ND | 4.4 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Trichlorofluoromethane | ND | 4.4 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Vinyl acetate | ND | 44 | 7.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| Vinyl chloride | ND | 4.4 | 0.66 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:14 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *120 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 01:14* | |
| *Surrogate: 4-Bromofluorobenzene* | *94.2 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 01:14* | |
| *Surrogate: Dibromofluoromethane* | *108 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 01:14* | |
| *Surrogate: Toluene-d8* | *98.8 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 01:14* | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-5.0

## Lab ID: 1302006-08

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 17:48 | |
| *Surrogate: 4-Bromofluorobenzene* | *113 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 17:48* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:44 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 17:44 | |
| *Surrogate: p-Terphenyl* | *101 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 17:44* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.7 | 0.95 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1,1-Trichloroethane | ND | 4.7 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.7 | 2.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1,2-Trichloroethane | ND | 4.7 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1-Dichloroethane | ND | 4.7 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1-Dichloroethene | ND | 4.7 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,1-Dichloropropene | ND | 4.7 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2,3-Trichloropropane | ND | 4.7 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2,3-Trichlorobenzene | ND | 4.7 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2,4-Trichlorobenzene | ND | 4.7 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2,4-Trimethylbenzene | ND | 4.7 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.4 | 3.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2-Dibromoethane | ND | 4.7 | 0.56 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2-Dichlorobenzene | ND | 4.7 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2-Dichloroethane | ND | 4.7 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,2-Dichloropropane | ND | 4.7 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,3,5-Trimethylbenzene | ND | 4.7 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,3-Dichlorobenzene | ND | 4.7 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,3-Dichloropropane | ND | 4.7 | 0.52 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 1,4-Dichlorobenzene | ND | 4.7 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 2,2-Dichloropropane | ND | 4.7 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 2-Chlorotoluene | ND | 4.7 | 0.86 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-102-5.0

## Lab ID: 1302006-08

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.7 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| 4-Isopropyltoluene | ND | 4.7 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Benzene | ND | 4.7 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Bromobenzene | ND | 4.7 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Bromochloromethane | ND | 4.7 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Bromodichloromethane | ND | 4.7 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Bromoform | ND | 4.7 | 0.49 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Bromomethane | ND | 4.7 | 0.62 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Carbon disulfide | ND | 4.7 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Carbon tetrachloride | ND | 4.7 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Chlorobenzene | ND | 4.7 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Chloroethane | ND | 4.7 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Chloroform | ND | 4.7 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Chloromethane | ND | 4.7 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| cis-1,2-Dichloroethene | ND | 4.7 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| cis-1,3-Dichloropropene | ND | 4.7 | 0.73 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Di-isopropyl ether | ND | 4.7 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Dibromochloromethane | ND | 4.7 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Dibromomethane | ND | 4.7 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Dichlorodifluoromethane | ND | 4.7 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Ethyl Acetate | ND | 47 | 6.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Ethyl Ether | ND | 47 | 8.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Ethyl tert-butyl ether | ND | 4.7 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Ethylbenzene | ND | 4.7 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Freon-113 | ND | 4.7 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Hexachlorobutadiene | ND | 4.7 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Isopropylbenzene | ND | 4.7 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| m,p-Xylene | ND | 9.4 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Methylene chloride | ND | 4.7 | 4.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| MTBE | ND | 4.7 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| n-Butylbenzene | ND | 4.7 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| n-Propylbenzene | ND | 4.7 | 0.92 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Naphthalene | ND | 4.7 | 2.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| o-Xylene | ND | 4.7 | 0.60 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| sec-Butylbenzene | ND | 4.7 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Styrene | ND | 4.7 | 0.52 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| tert-Amyl methyl ether | ND | 4.7 | 0.68 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-102-5.0**

**Lab ID: 1302006-08**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 94 | 17 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| tert-Butylbenzene | ND | 4.7 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Tetrachloroethene | ND | 4.7 | 0.58 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Toluene | ND | 4.7 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| trans-1,2-Dichloroethene | ND | 4.7 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| trans-1,3-Dichloropropene | ND | 47 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Trichloroethene | ND | 4.7 | 0.80 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Trichlorofluoromethane | ND | 4.7 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Vinyl acetate | ND | 47 | 7.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| Vinyl chloride | ND | 4.7 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:32 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *124 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 01:32* | |
| *Surrogate: 4-Bromofluorobenzene* | *91.5 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 01:32* | |
| *Surrogate: Dibromofluoromethane* | *110 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 01:32* | |
| *Surrogate: Toluene-d8* | *101 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 01:32* | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-103-1.0
## Lab ID: 1302006-09

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 18:08 | |
| *Surrogate: 4-Bromofluorobenzene* | *106 %* | | *54 - 150* | | B3G0263 | 07/17/2013 | *07/17/13 18:08* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/16/13 00:06 | |
| **T/R Hydrocarbons: C23-C32** | **74** | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/16/13 00:06 | |
| *Surrogate: p-Terphenyl* | *114 %* | | *55 - 153* | | B3G0250 | 07/15/2013 | *07/16/13 00:06* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.8 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1,1-Trichloroethane | ND | 4.8 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 | 2.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1,2-Trichloroethane | ND | 4.8 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1-Dichloroethene | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,1-Dichloropropene | ND | 4.8 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2,3-Trichloropropane | ND | 4.8 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2,3-Trichlorobenzene | ND | 4.8 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2,4-Trichlorobenzene | ND | 4.8 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2,4-Trimethylbenzene | ND | 4.8 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.6 | 3.5 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2-Dibromoethane | ND | 4.8 | 0.57 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2-Dichlorobenzene | ND | 4.8 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,2-Dichloropropane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,3,5-Trimethylbenzene | ND | 4.8 | 0.73 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,3-Dichlorobenzene | ND | 4.8 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,3-Dichloropropane | ND | 4.8 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 1,4-Dichlorobenzene | ND | 4.8 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 2,2-Dichloropropane | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 2-Chlorotoluene | ND | 4.8 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-103-1.0

## Lab ID: 1302006-09

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.8 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| 4-Isopropyltoluene | ND | 4.8 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Benzene | ND | 4.8 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Bromobenzene | ND | 4.8 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Bromochloromethane | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Bromodichloromethane | ND | 4.8 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Bromoform | ND | 4.8 | 0.50 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Bromomethane | ND | 4.8 | 0.63 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Carbon disulfide | ND | 4.8 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Carbon tetrachloride | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Chlorobenzene | ND | 4.8 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Chloroethane | ND | 4.8 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Chloroform | ND | 4.8 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Chloromethane | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| cis-1,2-Dichloroethene | ND | 4.8 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| cis-1,3-Dichloropropene | ND | 4.8 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Di-isopropyl ether | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Dibromochloromethane | ND | 4.8 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Dibromomethane | ND | 4.8 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Dichlorodifluoromethane | ND | 4.8 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Ethyl Acetate | ND | 48 | 7.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Ethyl Ether | ND | 48 | 8.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Ethyl tert-butyl ether | ND | 4.8 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Ethylbenzene | ND | 4.8 | 0.77 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Freon-113 | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Hexachlorobutadiene | ND | 4.8 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Isopropylbenzene | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| m,p-Xylene | ND | 9.6 | 1.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Methylene chloride | ND | 4.8 | 4.8 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| MTBE | ND | 4.8 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| n-Butylbenzene | ND | 4.8 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| n-Propylbenzene | ND | 4.8 | 0.94 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Naphthalene | ND | 4.8 | 2.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| o-Xylene | ND | 4.8 | 0.61 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| sec-Butylbenzene | ND | 4.8 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Styrene | ND | 4.8 | 0.53 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| tert-Amyl methyl ether | ND | 4.8 | 0.70 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-103-1.0

## Lab ID: 1302006-09

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 96 | 17 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| tert-Butylbenzene | ND | 4.8 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Tetrachloroethene | ND | 4.8 | 0.59 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Toluene | ND | 4.8 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| trans-1,2-Dichloroethene | ND | 4.8 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| trans-1,3-Dichloropropene | ND | 48 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Trichloroethene | ND | 4.8 | 0.81 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Trichlorofluoromethane | ND | 4.8 | 0.98 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Vinyl acetate | ND | 48 | 7.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| Vinyl chloride | ND | 4.8 | 0.71 | 1 | B3G0198 | 07/09/2013 | 07/12/13 01:51 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *120 %* | *56 - 159* | | | B3G0198 | 07/09/2013 | *07/12/13 01:51* | |
| *Surrogate: 4-Bromofluorobenzene* | *93.9 %* | *69 - 131* | | | B3G0198 | 07/09/2013 | *07/12/13 01:51* | |
| *Surrogate: Dibromofluoromethane* | *109 %* | *60 - 127* | | | B3G0198 | 07/09/2013 | *07/12/13 01:51* | |
| *Surrogate: Toluene-d8* | *99.4 %* | *70 - 121* | | | B3G0198 | 07/09/2013 | *07/12/13 01:51* | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-103-2.0

## Lab ID: 1302006-10

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0263 | 07/17/2013 | 07/17/13 18:28 | |
| *Surrogate: 4-Bromofluorobenzene* | *107 %* | *54 - 150* | | | B3G0263 | 07/17/2013 | *07/17/13 18:28* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 18:01 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0250 | 07/15/2013 | 07/15/13 18:01 | |
| *Surrogate: p-Terphenyl* | *109 %* | *55 - 153* | | | B3G0250 | 07/15/2013 | *07/15/13 18:01* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1,1-Trichloroethane | ND | 4.9 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 | 2.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1,2-Trichloroethane | ND | 4.9 | 0.89 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1-Dichloroethane | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1-Dichloroethene | ND | 4.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,1-Dichloropropene | ND | 4.9 | 0.90 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2,3-Trichloropropane | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2,3-Trichlorobenzene | ND | 4.9 | 2.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2,4-Trichlorobenzene | ND | 4.9 | 1.4 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2,4-Trimethylbenzene | ND | 4.9 | 0.82 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.9 | 3.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2-Dibromoethane | ND | 4.9 | 0.59 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2-Dichlorobenzene | ND | 4.9 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2-Dichloroethane | ND | 4.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,2-Dichloropropane | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,3,5-Trimethylbenzene | ND | 4.9 | 0.75 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,3-Dichlorobenzene | ND | 4.9 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,3-Dichloropropane | ND | 4.9 | 0.54 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 1,4-Dichlorobenzene | ND | 4.9 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 2,2-Dichloropropane | ND | 4.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 2-Chlorotoluene | ND | 4.9 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-103-2.0

## Lab ID: 1302006-10

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.9 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| 4-Isopropyltoluene | ND | 4.9 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Benzene | ND | 4.9 | 0.99 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Bromobenzene | ND | 4.9 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Bromochloromethane | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Bromodichloromethane | ND | 4.9 | 0.78 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Bromoform | ND | 4.9 | 0.51 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Bromomethane | ND | 4.9 | 0.65 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Carbon disulfide | ND | 4.9 | 0.91 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Carbon tetrachloride | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Chlorobenzene | ND | 4.9 | 0.93 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Chloroethane | ND | 4.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Chloroform | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Chloromethane | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| cis-1,2-Dichloroethene | ND | 4.9 | 0.83 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| cis-1,3-Dichloropropene | ND | 4.9 | 0.76 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Di-isopropyl ether | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Dibromochloromethane | ND | 4.9 | 0.96 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Dibromomethane | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Dichlorodifluoromethane | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Ethyl Acetate | ND | 49 | 7.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Ethyl Ether | ND | 49 | 9.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Ethyl tert-butyl ether | ND | 4.9 | 0.85 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Ethylbenzene | ND | 4.9 | 0.79 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Freon-113 | ND | 4.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Hexachlorobutadiene | ND | 4.9 | 1.3 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Isopropylbenzene | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| m,p-Xylene | ND | 9.9 | 1.7 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Methylene chloride | ND | 4.9 | 4.9 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| MTBE | ND | 4.9 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| n-Butylbenzene | ND | 4.9 | 1.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| n-Propylbenzene | ND | 4.9 | 0.97 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Naphthalene | ND | 4.9 | 2.6 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| o-Xylene | ND | 4.9 | 0.63 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| sec-Butylbenzene | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Styrene | ND | 4.9 | 0.55 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| tert-Amyl methyl ether | ND | 4.9 | 0.72 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-103-2.0**

**Lab ID: 1302006-10**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 99 | 18 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| tert-Butylbenzene | ND | 4.9 | 0.88 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Tetrachloroethene | ND | 4.9 | 0.61 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Toluene | ND | 4.9 | 0.87 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| trans-1,2-Dichloroethene | ND | 4.9 | 1.2 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| trans-1,3-Dichloropropene | ND | 49 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Trichloroethene | ND | 4.9 | 0.84 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Trichlorofluoromethane | ND | 4.9 | 1.0 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Vinyl acetate | ND | 49 | 8.1 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| Vinyl chloride | ND | 4.9 | 0.74 | 1 | B3G0198 | 07/09/2013 | 07/12/13 02:09 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *120 %* | | *56 - 159* | | B3G0198 | 07/09/2013 | *07/12/13 02:09* | |
| *Surrogate: 4-Bromofluorobenzene* | *95.9 %* | | *69 - 131* | | B3G0198 | 07/09/2013 | *07/12/13 02:09* | |
| *Surrogate: Dibromofluoromethane* | *111 %* | | *60 - 127* | | B3G0198 | 07/09/2013 | *07/12/13 02:09* | |
| *Surrogate: Toluene-d8* | *101 %* | | *70 - 121* | | B3G0198 | 07/09/2013 | *07/12/13 02:09* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-103-3.0
## Lab ID: 1302006-11

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/16/2013 | 07/16/13 15:03 | |
| *Surrogate: 4-Bromofluorobenzene* | *112 %* | *54 - 150* | | | B3G0264 | 07/16/2013 | *07/16/13 15:03* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 19:41 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 19:41 | |
| *Surrogate: p-Terphenyl* | *109 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 19:41* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.8 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1,1-Trichloroethane | ND | 4.8 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 | 2.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1,2-Trichloroethane | ND | 4.8 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1-Dichloroethene | ND | 4.8 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,1-Dichloropropene | ND | 4.8 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2,3-Trichloropropane | ND | 4.8 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2,3-Trichlorobenzene | ND | 4.8 | 2.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2,4-Trichlorobenzene | ND | 4.8 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2,4-Trimethylbenzene | ND | 4.8 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.6 | 3.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2-Dibromoethane | ND | 4.8 | 0.58 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2-Dichlorobenzene | ND | 4.8 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2-Dichloroethane | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,2-Dichloropropane | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,3,5-Trimethylbenzene | ND | 4.8 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,3-Dichlorobenzene | ND | 4.8 | 0.72 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,3-Dichloropropane | ND | 4.8 | 0.53 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 1,4-Dichlorobenzene | ND | 4.8 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 2,2-Dichloropropane | ND | 4.8 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 2-Chlorotoluene | ND | 4.8 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-103-3.0**

**Lab ID: 1302006-11**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.8 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| 4-Isopropyltoluene | ND | 4.8 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Benzene | ND | 4.8 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Bromobenzene | ND | 4.8 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Bromochloromethane | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Bromodichloromethane | ND | 4.8 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Bromoform | ND | 4.8 | 0.50 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Bromomethane | ND | 4.8 | 0.64 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Carbon disulfide | ND | 4.8 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Carbon tetrachloride | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Chlorobenzene | ND | 4.8 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Chloroethane | ND | 4.8 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Chloroform | ND | 4.8 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Chloromethane | ND | 4.8 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| cis-1,2-Dichloroethene | ND | 4.8 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| cis-1,3-Dichloropropene | ND | 4.8 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Di-isopropyl ether | ND | 4.8 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Dibromochloromethane | ND | 4.8 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Dibromomethane | ND | 4.8 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Dichlorodifluoromethane | ND | 4.8 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Ethyl Acetate | ND | 48 | 7.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Ethyl Ether | ND | 48 | 9.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Ethyl tert-butyl ether | ND | 4.8 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Ethylbenzene | ND | 4.8 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Freon-113 | ND | 4.8 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Hexachlorobutadiene | ND | 4.8 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Isopropylbenzene | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| m,p-Xylene | ND | 9.6 | 1.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Methylene chloride | ND | 4.8 | 4.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| MTBE | ND | 4.8 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| n-Butylbenzene | ND | 4.8 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| n-Propylbenzene | ND | 4.8 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Naphthalene | ND | 4.8 | 2.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| o-Xylene | ND | 4.8 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| sec-Butylbenzene | ND | 4.8 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Styrene | ND | 4.8 | 0.53 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| tert-Amyl methyl ether | ND | 4.8 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-103-3.0**

**Lab ID: 1302006-11**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 96 | 17 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| tert-Butylbenzene | ND | 4.8 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Tetrachloroethene | ND | 4.8 | 0.59 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Toluene | ND | 4.8 | 0.85 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| trans-1,2-Dichloroethene | ND | 4.8 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| trans-1,3-Dichloropropene | ND | 48 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Trichloroethene | ND | 4.8 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Trichlorofluoromethane | ND | 4.8 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Vinyl acetate | ND | 48 | 7.9 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| Vinyl chloride | ND | 4.8 | 0.72 | 1 | B3G0209 | 07/10/2013 | 07/12/13 10:56 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *114 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 10:56* | |
| *Surrogate: 4-Bromofluorobenzene* | *95.7 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 10:56* | |
| *Surrogate: Dibromofluoromethane* | *105 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 10:56* | |
| *Surrogate: Toluene-d8* | *101 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 10:56* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-103-5.0
## Lab ID: 1302006-12

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 09:04 | |
| *Surrogate: 4-Bromofluorobenzene* | *102 %* | *54 - 150* | | | B3G0264 | 07/17/2013 | *07/17/13 09:04* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 19:57 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 19:57 | |
| *Surrogate: p-Terphenyl* | *112 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 19:57* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1,1-Trichloroethane | ND | 5.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.5 | 2.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1,2-Trichloroethane | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1-Dichloroethane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1-Dichloroethene | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,1-Dichloropropene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2,3-Trichloropropane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2,3-Trichlorobenzene | ND | 5.5 | 2.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2,4-Trichlorobenzene | ND | 5.5 | 1.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2,4-Trimethylbenzene | ND | 5.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2-Dibromo-3-chloropropane | ND | 11 | 4.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2-Dibromoethane | ND | 5.5 | 0.66 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2-Dichlorobenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2-Dichloroethane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,2-Dichloropropane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,3,5-Trimethylbenzene | ND | 5.5 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,3-Dichlorobenzene | ND | 5.5 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,3-Dichloropropane | ND | 5.5 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 1,4-Dichlorobenzene | ND | 5.5 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 2,2-Dichloropropane | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 2-Chlorotoluene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-103-5.0**

**Lab ID: 1302006-12**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| 4-Isopropyltoluene | ND | 5.5 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Benzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Bromobenzene | ND | 5.5 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Bromochloromethane | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Bromodichloromethane | ND | 5.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Bromoform | ND | 5.5 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Bromomethane | ND | 5.5 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Carbon disulfide | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Carbon tetrachloride | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Chlorobenzene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Chloroethane | ND | 5.5 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Chloroform | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Chloromethane | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| cis-1,2-Dichloroethene | ND | 5.5 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| cis-1,3-Dichloropropene | ND | 5.5 | 0.85 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Di-isopropyl ether | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Dibromochloromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Dibromomethane | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Dichlorodifluoromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Ethyl Acetate | ND | 55 | 8.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Ethyl Ether | ND | 55 | 10 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Ethyl tert-butyl ether | ND | 5.5 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Ethylbenzene | ND | 5.5 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Freon-113 | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Hexachlorobutadiene | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Isopropylbenzene | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| m,p-Xylene | ND | 11 | 1.9 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Methylene chloride | ND | 5.5 | 5.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| MTBE | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| n-Butylbenzene | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| n-Propylbenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Naphthalene | ND | 5.5 | 3.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| o-Xylene | ND | 5.5 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| sec-Butylbenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Styrene | ND | 5.5 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| tert-Amyl methyl ether | ND | 5.5 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-103-5.0**

**Lab ID: 1302006-12**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 110 | 20 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| tert-Butylbenzene | ND | 5.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Tetrachloroethene | ND | 5.5 | 0.68 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Toluene | ND | 5.5 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| trans-1,2-Dichloroethene | ND | 5.5 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| trans-1,3-Dichloropropene | ND | 55 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Trichloroethene | ND | 5.5 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Trichlorofluoromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Vinyl acetate | ND | 55 | 9.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| Vinyl chloride | ND | 5.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:34 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *116 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 11:34* | |
| *Surrogate: 4-Bromofluorobenzene* | *94.1 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 11:34* | |
| *Surrogate: Dibromofluoromethane* | *107 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 11:34* | |
| *Surrogate: Toluene-d8* | *98.8 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 11:34* | |

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-1.0
## Lab ID: 1302006-13

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: AG**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 2.0 | 0.22 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Arsenic** | **2.3** | 1.0 | 0.38 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Barium** | **98** | 1.0 | 0.08 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Beryllium** | **0.28** | 1.0 | 0.02 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | J |
| **Cadmium** | **0.18** | 1.0 | 0.02 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | J |
| **Chromium** | **13** | 1.0 | 0.04 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Cobalt** | **5.8** | 1.0 | 0.06 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Copper** | **9.5** | 2.0 | 0.11 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Lead** | **33** | 1.0 | 0.14 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Molybdenum** | **0.54** | 1.0 | 0.04 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | J |
| **Nickel** | **16** | 1.0 | 0.04 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| Selenium | ND | 1.0 | 0.24 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| Silver | ND | 1.0 | 0.06 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| Thallium | ND | 1.0 | 0.30 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Vanadium** | **18** | 1.0 | 0.17 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |
| **Zinc** | **35** | 1.0 | 0.51 | 1 | B3G0394 | 07/23/2013 | 07/23/13 14:08 | |

### Mercury by AA (Cold Vapor) EPA 7471A

**Analyst: VV**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Mercury** | **0.01** | 0.10 | 0.008 | 1 | B3G0446 | 07/24/2013 | 07/24/13 16:07 | J |

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 09:30 | |
| *Surrogate: 4-Bromofluorobenzene* | *70.2 %* | | *54 - 150* | | B3G0264 | 07/17/2013 | *07/17/13 09:30* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **T/R Hydrocarbons: C13-C22** | **72** | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/16/13 00:55 | |
| **T/R Hydrocarbons: C23-C32** | **600** | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/16/13 00:55 | |
| *Surrogate: p-Terphenyl* | *118 %* | | *55 - 153* | | B3G0259 | 07/15/2013 | *07/16/13 00:55* | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-1.0

## Lab ID: 1302006-13

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.9 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1,1-Trichloroethane | ND | 4.9 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 | 2.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1,2-Trichloroethane | ND | 4.9 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1-Dichloroethane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1-Dichloroethene | ND | 4.9 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,1-Dichloropropene | ND | 4.9 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2,3-Trichloropropane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2,3-Trichlorobenzene | ND | 4.9 | 2.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2,4-Trichlorobenzene | ND | 4.9 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2,4-Trimethylbenzene | ND | 4.9 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.8 | 3.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2-Dibromoethane | ND | 4.9 | 0.58 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2-Dichlorobenzene | ND | 4.9 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2-Dichloroethane | ND | 4.9 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,2-Dichloropropane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,3,5-Trimethylbenzene | ND | 4.9 | 0.74 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,3-Dichlorobenzene | ND | 4.9 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,3-Dichloropropane | ND | 4.9 | 0.54 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 1,4-Dichlorobenzene | ND | 4.9 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 2,2-Dichloropropane | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 2-Chlorotoluene | ND | 4.9 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 4-Chlorotoluene | ND | 4.9 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| 4-Isopropyltoluene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Benzene | ND | 4.9 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Bromobenzene | ND | 4.9 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Bromochloromethane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Bromodichloromethane | ND | 4.9 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Bromoform | ND | 4.9 | 0.51 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Bromomethane | ND | 4.9 | 0.65 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| **Carbon disulfide** | **1.7** | 4.9 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | J |
| Carbon tetrachloride | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Chlorobenzene | ND | 4.9 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Chloroethane | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Chloroform | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Chloromethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| cis-1,2-Dichloroethene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-1.0

## Lab ID: 1302006-13

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | 4.9 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Di-isopropyl ether | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Dibromochloromethane | ND | 4.9 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Dibromomethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Dichlorodifluoromethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Ethyl Acetate | ND | 49 | 7.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Ethyl Ether | ND | 49 | 9.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Ethyl tert-butyl ether | ND | 4.9 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Ethylbenzene | ND | 4.9 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Freon-113 | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Hexachlorobutadiene | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Isopropylbenzene | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| m,p-Xylene | ND | 9.8 | 1.7 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Methylene chloride | ND | 4.9 | 4.9 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| MTBE | ND | 4.9 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| n-Butylbenzene | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| n-Propylbenzene | ND | 4.9 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Naphthalene | ND | 4.9 | 2.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| o-Xylene | ND | 4.9 | 0.62 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| sec-Butylbenzene | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Styrene | ND | 4.9 | 0.54 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| tert-Amyl methyl ether | ND | 4.9 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| tert-Butanol | ND | 98 | 17 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| tert-Butylbenzene | ND | 4.9 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Tetrachloroethene | ND | 4.9 | 0.60 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| **Toluene** | **1.2** | 4.9 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | J |
| trans-1,2-Dichloroethene | ND | 4.9 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| trans-1,3-Dichloropropene | ND | 49 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Trichloroethene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Trichlorofluoromethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Vinyl acetate | ND | 49 | 8.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| Vinyl chloride | ND | 4.9 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 11:53 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *118 %* | | *56 - 159* | | B3G0209 | 07/10/2013 | *07/12/13 11:53* | |
| *Surrogate: 4-Bromofluorobenzene* | *90.2 %* | | *69 - 131* | | B3G0209 | 07/10/2013 | *07/12/13 11:53* | |
| *Surrogate: Dibromofluoromethane* | *103 %* | | *60 - 127* | | B3G0209 | 07/10/2013 | *07/12/13 11:53* | |
| *Surrogate: Toluene-d8* | *97.1 %* | | *70 - 121* | | B3G0209 | 07/10/2013 | *07/12/13 11:53* | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-104-2.0**

**Lab ID: 1302006-14**

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 09:52 | |
| *Surrogate: 4-Bromofluorobenzene* | *86.9 %* | *54 - 150* | | | B3G0264 | 07/17/2013 | *07/17/13 09:52* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **T/R Hydrocarbons: C13-C22** | **38** | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/16/13 00:22 | |
| **T/R Hydrocarbons: C23-C32** | **260** | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/16/13 00:22 | |
| *Surrogate: p-Terphenyl* | *125 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/16/13 00:22* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.9 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1,1-Trichloroethane | ND | 4.9 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 | 2.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1,2-Trichloroethane | ND | 4.9 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1-Dichloroethane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1-Dichloroethene | ND | 4.9 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,1-Dichloropropene | ND | 4.9 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2,3-Trichloropropane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2,3-Trichlorobenzene | ND | 4.9 | 2.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2,4-Trichlorobenzene | ND | 4.9 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2,4-Trimethylbenzene | ND | 4.9 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.8 | 3.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2-Dibromoethane | ND | 4.9 | 0.59 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2-Dichlorobenzene | ND | 4.9 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2-Dichloroethane | ND | 4.9 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,2-Dichloropropane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,3,5-Trimethylbenzene | ND | 4.9 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,3-Dichlorobenzene | ND | 4.9 | 0.74 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,3-Dichloropropane | ND | 4.9 | 0.54 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 1,4-Dichlorobenzene | ND | 4.9 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 2,2-Dichloropropane | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 2-Chlorotoluene | ND | 4.9 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-104-2.0**

**Lab ID: 1302006-14**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.9 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| 4-Isopropyltoluene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Benzene | ND | 4.9 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Bromobenzene | ND | 4.9 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Bromochloromethane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Bromodichloromethane | ND | 4.9 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Bromoform | ND | 4.9 | 0.51 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Bromomethane | ND | 4.9 | 0.65 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Carbon disulfide | ND | 4.9 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Carbon tetrachloride | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Chlorobenzene | ND | 4.9 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Chloroethane | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Chloroform | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Chloromethane | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| cis-1,2-Dichloroethene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| cis-1,3-Dichloropropene | ND | 4.9 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Di-isopropyl ether | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Dibromochloromethane | ND | 4.9 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Dibromomethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Dichlorodifluoromethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Ethyl Acetate | ND | 49 | 7.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Ethyl Ether | ND | 49 | 9.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Ethyl tert-butyl ether | ND | 4.9 | 0.85 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Ethylbenzene | ND | 4.9 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Freon-113 | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Hexachlorobutadiene | ND | 4.9 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Isopropylbenzene | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| m,p-Xylene | ND | 9.8 | 1.7 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Methylene chloride | ND | 4.9 | 4.9 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| MTBE | ND | 4.9 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| n-Butylbenzene | ND | 4.9 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| n-Propylbenzene | ND | 4.9 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Naphthalene | ND | 4.9 | 2.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| o-Xylene | ND | 4.9 | 0.62 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| sec-Butylbenzene | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Styrene | ND | 4.9 | 0.54 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| tert-Amyl methyl ether | ND | 4.9 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-104-2.0**

**Lab ID: 1302006-14**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 98 | 18 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| tert-Butylbenzene | ND | 4.9 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Tetrachloroethene | ND | 4.9 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Toluene | ND | 4.9 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| trans-1,2-Dichloroethene | ND | 4.9 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| trans-1,3-Dichloropropene | ND | 49 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Trichloroethene | ND | 4.9 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Trichlorofluoromethane | ND | 4.9 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Vinyl acetate | ND | 49 | 8.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| Vinyl chloride | ND | 4.9 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:12 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *119 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 12:12* | |
| *Surrogate: 4-Bromofluorobenzene* | *95.0 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 12:12* | |
| *Surrogate: Dibromofluoromethane* | *107 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 12:12* | |
| *Surrogate: Toluene-d8* | *101 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 12:12* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-104-3.0

## Lab ID: 1302006-15

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 11:18 | |
| *Surrogate: 4-Bromofluorobenzene* | *105 %* | *54 - 150* | | | B3G0264 | 07/17/2013 | *07/17/13 11:18* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 22:26 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 22:26 | |
| *Surrogate: p-Terphenyl* | *96.5 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 22:26* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.5 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1,1-Trichloroethane | ND | 4.5 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 | 2.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1,2-Trichloroethane | ND | 4.5 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1-Dichloroethane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1-Dichloroethene | ND | 4.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,1-Dichloropropene | ND | 4.5 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2,3-Trichloropropane | ND | 4.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2,3-Trichlorobenzene | ND | 4.5 | 2.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2,4-Trichlorobenzene | ND | 4.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2,4-Trimethylbenzene | ND | 4.5 | 0.74 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2-Dibromo-3-chloropropane | ND | 8.9 | 3.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2-Dibromoethane | ND | 4.5 | 0.53 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2-Dichlorobenzene | ND | 4.5 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2-Dichloroethane | ND | 4.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,2-Dichloropropane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,3,5-Trimethylbenzene | ND | 4.5 | 0.68 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,3-Dichlorobenzene | ND | 4.5 | 0.67 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,3-Dichloropropane | ND | 4.5 | 0.49 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 1,4-Dichlorobenzene | ND | 4.5 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 2,2-Dichloropropane | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 2-Chlorotoluene | ND | 4.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-3.0

## Lab ID: 1302006-15

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| 4-Isopropyltoluene | ND | 4.5 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Benzene | ND | 4.5 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Bromobenzene | ND | 4.5 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Bromochloromethane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Bromodichloromethane | ND | 4.5 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Bromoform | ND | 4.5 | 0.46 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Bromomethane | ND | 4.5 | 0.59 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Carbon disulfide | ND | 4.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Carbon tetrachloride | ND | 4.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Chlorobenzene | ND | 4.5 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Chloroethane | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Chloroform | ND | 4.5 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Chloromethane | ND | 4.5 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| cis-1,2-Dichloroethene | ND | 4.5 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| cis-1,3-Dichloropropene | ND | 4.5 | 0.69 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Di-isopropyl ether | ND | 4.5 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Dibromochloromethane | ND | 4.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Dibromomethane | ND | 4.5 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Dichlorodifluoromethane | ND | 4.5 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Ethyl Acetate | ND | 45 | 6.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Ethyl Ether | ND | 45 | 8.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Ethyl tert-butyl ether | ND | 4.5 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Ethylbenzene | ND | 4.5 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Freon-113 | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Hexachlorobutadiene | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Isopropylbenzene | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| m,p-Xylene | ND | 8.9 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Methylene chloride | ND | 4.5 | 4.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| MTBE | ND | 4.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| n-Butylbenzene | ND | 4.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| n-Propylbenzene | ND | 4.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Naphthalene | ND | 4.5 | 2.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| o-Xylene | ND | 4.5 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| sec-Butylbenzene | ND | 4.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Styrene | ND | 4.5 | 0.49 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| tert-Amyl methyl ether | ND | 4.5 | 0.65 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-3.0

## Lab ID: 1302006-15

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 89 | 16 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| tert-Butylbenzene | ND | 4.5 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Tetrachloroethene | ND | 4.5 | 0.55 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Toluene | ND | 4.5 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| trans-1,2-Dichloroethene | ND | 4.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| trans-1,3-Dichloropropene | ND | 45 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Trichloroethene | ND | 4.5 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Trichlorofluoromethane | ND | 4.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Vinyl acetate | ND | 45 | 7.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| Vinyl chloride | ND | 4.5 | 0.66 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:30 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *123 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 12:30* | |
| *Surrogate: 4-Bromofluorobenzene* | *94.2 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 12:30* | |
| *Surrogate: Dibromofluoromethane* | *110 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 12:30* | |
| *Surrogate: Toluene-d8* | *97.6 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 12:30* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-104-5.0
## Lab ID: 1302006-16

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 10:35 | |
| *Surrogate: 4-Bromofluorobenzene* | *112 %* | | *54 - 150* | | B3G0264 | 07/17/2013 | *07/17/13 10:35* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 22:10 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 22:10 | |
| *Surrogate: p-Terphenyl* | *105 %* | | *55 - 153* | | B3G0259 | 07/15/2013 | *07/15/13 22:10* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1,1-Trichloroethane | ND | 5.5 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.5 | 2.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1,2-Trichloroethane | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1-Dichloroethane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1-Dichloroethene | ND | 5.5 | 1.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,1-Dichloropropene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2,3-Trichloropropane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2,3-Trichlorobenzene | ND | 5.5 | 2.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2,4-Trichlorobenzene | ND | 5.5 | 1.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2,4-Trimethylbenzene | ND | 5.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2-Dibromo-3-chloropropane | ND | 11 | 4.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2-Dibromoethane | ND | 5.5 | 0.66 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2-Dichlorobenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2-Dichloroethane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,2-Dichloropropane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,3,5-Trimethylbenzene | ND | 5.5 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,3-Dichlorobenzene | ND | 5.5 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,3-Dichloropropane | ND | 5.5 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 1,4-Dichlorobenzene | ND | 5.5 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 2,2-Dichloropropane | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 2-Chlorotoluene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-104-5.0**

**Lab ID: 1302006-16**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| 4-Isopropyltoluene | ND | 5.5 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Benzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Bromobenzene | ND | 5.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Bromochloromethane | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Bromodichloromethane | ND | 5.5 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Bromoform | ND | 5.5 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Bromomethane | ND | 5.5 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Carbon disulfide | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Carbon tetrachloride | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Chlorobenzene | ND | 5.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Chloroethane | ND | 5.5 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Chloroform | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Chloromethane | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| cis-1,2-Dichloroethene | ND | 5.5 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| cis-1,3-Dichloropropene | ND | 5.5 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Di-isopropyl ether | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Dibromochloromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Dibromomethane | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Dichlorodifluoromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Ethyl Acetate | ND | 55 | 8.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Ethyl Ether | ND | 55 | 10 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Ethyl tert-butyl ether | ND | 5.5 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Ethylbenzene | ND | 5.5 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Freon-113 | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Hexachlorobutadiene | ND | 5.5 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Isopropylbenzene | ND | 5.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| m,p-Xylene | ND | 11 | 1.9 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Methylene chloride | ND | 5.5 | 5.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| MTBE | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| n-Butylbenzene | ND | 5.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| n-Propylbenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Naphthalene | ND | 5.5 | 3.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| o-Xylene | ND | 5.5 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| sec-Butylbenzene | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Styrene | ND | 5.5 | 0.61 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| tert-Amyl methyl ether | ND | 5.5 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-104-5.0

## Lab ID: 1302006-16

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 110 | 20 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| tert-Butylbenzene | ND | 5.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Tetrachloroethene | ND | 5.5 | 0.68 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Toluene | ND | 5.5 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| trans-1,2-Dichloroethene | ND | 5.5 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| trans-1,3-Dichloropropene | ND | 55 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Trichloroethene | ND | 5.5 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Trichlorofluoromethane | ND | 5.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Vinyl acetate | ND | 55 | 9.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| Vinyl chloride | ND | 5.5 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 12:48 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *123 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 12:48* | |
| *Surrogate: 4-Bromofluorobenzene* | *93.1 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 12:48* | |
| *Surrogate: Dibromofluoromethane* | *109 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 12:48* | |
| *Surrogate: Toluene-d8* | *98.5 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 12:48* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-105-9.0
## Lab ID: 1302006-17

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0264 | 07/17/2013 | 07/17/13 10:57 | |
| *Surrogate: 4-Bromofluorobenzene* | *104 %* | *54 - 150* | | | B3G0264 | 07/17/2013 | *07/17/13 10:57* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:14 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:14 | |
| *Surrogate: p-Terphenyl* | *105 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 20:14* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.7 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1,1-Trichloroethane | ND | 4.7 | 0.85 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.7 | 2.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1,2-Trichloroethane | ND | 4.7 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1-Dichloroethane | ND | 4.7 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1-Dichloroethene | ND | 4.7 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,1-Dichloropropene | ND | 4.7 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2,3-Trichloropropane | ND | 4.7 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2,3-Trichlorobenzene | ND | 4.7 | 2.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2,4-Trichlorobenzene | ND | 4.7 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2,4-Trimethylbenzene | ND | 4.7 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2-Dibromo-3-chloropropane | ND | 9.5 | 3.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2-Dibromoethane | ND | 4.7 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2-Dichlorobenzene | ND | 4.7 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2-Dichloroethane | ND | 4.7 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,2-Dichloropropane | ND | 4.7 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,3,5-Trimethylbenzene | ND | 4.7 | 0.72 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,3-Dichlorobenzene | ND | 4.7 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,3-Dichloropropane | ND | 4.7 | 0.52 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 1,4-Dichlorobenzene | ND | 4.7 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 2,2-Dichloropropane | ND | 4.7 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 2-Chlorotoluene | ND | 4.7 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-9.0**

**Lab ID: 1302006-17**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.7 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| 4-Isopropyltoluene | ND | 4.7 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Benzene | ND | 4.7 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Bromobenzene | ND | 4.7 | 0.74 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Bromochloromethane | ND | 4.7 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Bromodichloromethane | ND | 4.7 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Bromoform | ND | 4.7 | 0.49 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Bromomethane | ND | 4.7 | 0.63 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Carbon disulfide | ND | 4.7 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Carbon tetrachloride | ND | 4.7 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Chlorobenzene | ND | 4.7 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Chloroethane | ND | 4.7 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Chloroform | ND | 4.7 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Chloromethane | ND | 4.7 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| cis-1,2-Dichloroethene | ND | 4.7 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| cis-1,3-Dichloropropene | ND | 4.7 | 0.73 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Di-isopropyl ether | ND | 4.7 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Dibromochloromethane | ND | 4.7 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Dibromomethane | ND | 4.7 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Dichlorodifluoromethane | ND | 4.7 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Ethyl Acetate | ND | 47 | 7.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Ethyl Ether | ND | 47 | 8.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Ethyl tert-butyl ether | ND | 4.7 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Ethylbenzene | ND | 4.7 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Freon-113 | ND | 4.7 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Hexachlorobutadiene | ND | 4.7 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Isopropylbenzene | ND | 4.7 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| m,p-Xylene | ND | 9.5 | 1.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Methylene chloride | ND | 4.7 | 4.7 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| MTBE | ND | 4.7 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| n-Butylbenzene | ND | 4.7 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| n-Propylbenzene | ND | 4.7 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Naphthalene | ND | 4.7 | 2.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| o-Xylene | ND | 4.7 | 0.60 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| sec-Butylbenzene | ND | 4.7 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Styrene | ND | 4.7 | 0.53 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| tert-Amyl methyl ether | ND | 4.7 | 0.69 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-9.0**

**Lab ID: 1302006-17**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 95 | 17 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| tert-Butylbenzene | ND | 4.7 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Tetrachloroethene | ND | 4.7 | 0.58 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Toluene | ND | 4.7 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| trans-1,2-Dichloroethene | ND | 4.7 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| trans-1,3-Dichloropropene | ND | 47 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Trichloroethene | ND | 4.7 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Trichlorofluoromethane | ND | 4.7 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Vinyl acetate | ND | 47 | 7.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| Vinyl chloride | ND | 4.7 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:06 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *123 %* | | *56 - 159* | | B3G0209 | 07/10/2013 | *07/12/13 13:06* | |
| *Surrogate: 4-Bromofluorobenzene* | *93.6 %* | | *69 - 131* | | B3G0209 | 07/10/2013 | *07/12/13 13:06* | |
| *Surrogate: Dibromofluoromethane* | *108 %* | | *60 - 127* | | B3G0209 | 07/10/2013 | *07/12/13 13:06* | |
| *Surrogate: Toluene-d8* | *98.2 %* | | *70 - 121* | | B3G0209 | 07/10/2013 | *07/12/13 13:06* | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-105-10.0**

**Lab ID: 1302006-18**

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0310 | 07/17/2013 | 07/17/13 21:55 | |
| *Surrogate: 4-Bromofluorobenzene* | *106 %* | *54 - 150* | | | B3G0310 | 07/17/2013 | *07/17/13 21:55* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:30 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:30 | |
| *Surrogate: p-Terphenyl* | *102 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 20:30* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1,1-Trichloroethane | ND | 5.2 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.2 | 2.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1,2-Trichloroethane | ND | 5.2 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1-Dichloroethane | ND | 5.2 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1-Dichloroethene | ND | 5.2 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,1-Dichloropropene | ND | 5.2 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2,3-Trichloropropane | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2,3-Trichlorobenzene | ND | 5.2 | 2.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2,4-Trichlorobenzene | ND | 5.2 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2,4-Trimethylbenzene | ND | 5.2 | 0.86 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 3.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2-Dibromoethane | ND | 5.2 | 0.62 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2-Dichlorobenzene | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2-Dichloroethane | ND | 5.2 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,2-Dichloropropane | ND | 5.2 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,3,5-Trimethylbenzene | ND | 5.2 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,3-Dichlorobenzene | ND | 5.2 | 0.78 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,3-Dichloropropane | ND | 5.2 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 1,4-Dichlorobenzene | ND | 5.2 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 2,2-Dichloropropane | ND | 5.2 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 2-Chlorotoluene | ND | 5.2 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-10.0**

**Lab ID: 1302006-18**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.2 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| 4-Isopropyltoluene | ND | 5.2 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Benzene | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Bromobenzene | ND | 5.2 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Bromochloromethane | ND | 5.2 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Bromodichloromethane | ND | 5.2 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Bromoform | ND | 5.2 | 0.54 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Bromomethane | ND | 5.2 | 0.68 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Carbon disulfide | ND | 5.2 | 0.95 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Carbon tetrachloride | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Chlorobenzene | ND | 5.2 | 0.97 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Chloroethane | ND | 5.2 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Chloroform | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Chloromethane | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| cis-1,2-Dichloroethene | ND | 5.2 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| cis-1,3-Dichloropropene | ND | 5.2 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Di-isopropyl ether | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Dibromochloromethane | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Dibromomethane | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Dichlorodifluoromethane | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Ethyl Acetate | ND | 52 | 7.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Ethyl Ether | ND | 52 | 9.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Ethyl tert-butyl ether | ND | 5.2 | 0.89 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Ethylbenzene | ND | 5.2 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Freon-113 | ND | 5.2 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Hexachlorobutadiene | ND | 5.2 | 1.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Isopropylbenzene | ND | 5.2 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| m,p-Xylene | ND | 10 | 1.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Methylene chloride | ND | 5.2 | 5.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| MTBE | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| n-Butylbenzene | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| n-Propylbenzene | ND | 5.2 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Naphthalene | ND | 5.2 | 2.8 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| o-Xylene | ND | 5.2 | 0.66 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| sec-Butylbenzene | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Styrene | ND | 5.2 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| tert-Amyl methyl ether | ND | 5.2 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-10.0**

**Lab ID: 1302006-18**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 100 | 18 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| tert-Butylbenzene | ND | 5.2 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Tetrachloroethene | ND | 5.2 | 0.64 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Toluene | ND | 5.2 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| trans-1,2-Dichloroethene | ND | 5.2 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| trans-1,3-Dichloropropene | ND | 52 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Trichloroethene | ND | 5.2 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Trichlorofluoromethane | ND | 5.2 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Vinyl acetate | ND | 52 | 8.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| Vinyl chloride | ND | 5.2 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:25 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *122 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 13:25* | |
| *Surrogate: 4-Bromofluorobenzene* | *92.5 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 13:25* | |
| *Surrogate: Dibromofluoromethane* | *111 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 13:25* | |
| *Surrogate: Toluene-d8* | *98.7 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 13:25* | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-105-11.0
## Lab ID: 1302006-19

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0310 | 07/17/2013 | 07/17/13 22:14 | |
| *Surrogate: 4-Bromofluorobenzene* | *108 %* | *54 - 150* | | | B3G0310 | 07/17/2013 | *07/17/13 22:14* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:47 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 20:47 | |
| *Surrogate: p-Terphenyl* | *107 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 20:47* | |

### Volatile Organic Compounds by EPA 5035/EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 4.5 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1,1-Trichloroethane | ND | 4.5 | 0.80 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 | 2.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1,2-Trichloroethane | ND | 4.5 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1-Dichloroethane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1-Dichloroethene | ND | 4.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,1-Dichloropropene | ND | 4.5 | 0.81 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2,3-Trichloropropane | ND | 4.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2,3-Trichlorobenzene | ND | 4.5 | 2.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2,4-Trichlorobenzene | ND | 4.5 | 1.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2,4-Trimethylbenzene | ND | 4.5 | 0.74 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2-Dibromo-3-chloropropane | ND | 8.9 | 3.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2-Dibromoethane | ND | 4.5 | 0.53 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2-Dichlorobenzene | ND | 4.5 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2-Dichloroethane | ND | 4.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,2-Dichloropropane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,3,5-Trimethylbenzene | ND | 4.5 | 0.68 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,3-Dichlorobenzene | ND | 4.5 | 0.67 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,3-Dichloropropane | ND | 4.5 | 0.49 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 1,4-Dichlorobenzene | ND | 4.5 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 2,2-Dichloropropane | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 2-Chlorotoluene | ND | 4.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID 1214-105-11.0**

**Lab ID: 1302006-19**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 4.5 | 0.83 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| 4-Isopropyltoluene | ND | 4.5 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Benzene | ND | 4.5 | 0.90 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Bromobenzene | ND | 4.5 | 0.70 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Bromochloromethane | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Bromodichloromethane | ND | 4.5 | 0.71 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Bromoform | ND | 4.5 | 0.46 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Bromomethane | ND | 4.5 | 0.59 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Carbon disulfide | ND | 4.5 | 0.82 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Carbon tetrachloride | ND | 4.5 | 0.98 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Chlorobenzene | ND | 4.5 | 0.84 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Chloroethane | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Chloroform | ND | 4.5 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Chloromethane | ND | 4.5 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| cis-1,2-Dichloroethene | ND | 4.5 | 0.75 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| cis-1,3-Dichloropropene | ND | 4.5 | 0.69 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Di-isopropyl ether | ND | 4.5 | 0.96 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Dibromochloromethane | ND | 4.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Dibromomethane | ND | 4.5 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Dichlorodifluoromethane | ND | 4.5 | 0.93 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Ethyl Acetate | ND | 45 | 6.6 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Ethyl Ether | ND | 45 | 8.3 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Ethyl tert-butyl ether | ND | 4.5 | 0.77 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Ethylbenzene | ND | 4.5 | 0.72 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Freon-113 | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Hexachlorobutadiene | ND | 4.5 | 1.2 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Isopropylbenzene | ND | 4.5 | 1.0 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| m,p-Xylene | ND | 8.9 | 1.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Methylene chloride | ND | 4.5 | 4.5 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| MTBE | ND | 4.5 | 0.87 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| n-Butylbenzene | ND | 4.5 | 0.99 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| n-Propylbenzene | ND | 4.5 | 0.88 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Naphthalene | ND | 4.5 | 2.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| o-Xylene | ND | 4.5 | 0.57 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| sec-Butylbenzene | ND | 4.5 | 0.92 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Styrene | ND | 4.5 | 0.50 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| tert-Amyl methyl ether | ND | 4.5 | 0.65 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |

# Certificate of Analysis

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-11.0**

**Lab ID: 1302006-19**

**Volatile Organic Compounds by EPA 5035/EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 89 | 16 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| tert-Butylbenzene | ND | 4.5 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Tetrachloroethene | ND | 4.5 | 0.55 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Toluene | ND | 4.5 | 0.79 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| trans-1,2-Dichloroethene | ND | 4.5 | 1.1 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| trans-1,3-Dichloropropene | ND | 45 | 0.94 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Trichloroethene | ND | 4.5 | 0.76 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Trichlorofluoromethane | ND | 4.5 | 0.91 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Vinyl acetate | ND | 45 | 7.4 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| Vinyl chloride | ND | 4.5 | 0.67 | 1 | B3G0209 | 07/10/2013 | 07/12/13 13:44 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *123 %* | *56 - 159* | | | B3G0209 | 07/10/2013 | *07/12/13 13:44* | |
| *Surrogate: 4-Bromofluorobenzene* | *92.8 %* | *69 - 131* | | | B3G0209 | 07/10/2013 | *07/12/13 13:44* | |
| *Surrogate: Dibromofluoromethane* | *111 %* | *60 - 127* | | | B3G0209 | 07/10/2013 | *07/12/13 13:44* | |
| *Surrogate: Toluene-d8* | *97.3 %* | *70 - 121* | | | B3G0209 | 07/10/2013 | *07/12/13 13:44* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-105-12.5
## Lab ID: 1302006-20

### Gasoline Range Organics by EPA 8015B

**Analyst: VN**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | 0.20 | 1 | B3G0310 | 07/17/2013 | 07/17/13 22:34 | |
| *Surrogate: 4-Bromofluorobenzene* | *100 %* | *54 - 150* | | | B3G0310 | 07/17/2013 | *07/17/13 22:34* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 21:04 | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | 10 | 1 | B3G0259 | 07/15/2013 | 07/15/13 21:04 | |
| *Surrogate: p-Terphenyl* | *109 %* | *55 - 153* | | | B3G0259 | 07/15/2013 | *07/15/13 21:04* | |

### Volatile Organic Compounds by EPA 8260

**Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.89 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 2.2 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 0.90 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1-Dichloroethane | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1-Dichloroethene | ND | 5.0 | 1.4 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,1-Dichloropropene | ND | 5.0 | 0.91 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 2.3 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1.4 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 0.83 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | 3.7 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2-Dibromoethane | ND | 5.0 | 0.60 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2-Dichloroethane | ND | 5.0 | 1.2 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,2-Dichloropropane | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 0.76 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.75 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,3-Dichloropropane | ND | 5.0 | 0.55 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.80 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 2,2-Dichloropropane | ND | 5.0 | 1.4 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 2-Chlorotoluene | ND | 5.0 | 0.92 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID 1214-105-12.5**

**Lab ID: 1302006-20**

**Volatile Organic Compounds by EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 4-Chlorotoluene | ND | 5.0 | 0.92 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| 4-Isopropyltoluene | ND | 5.0 | 0.85 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Benzene | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Bromobenzene | ND | 5.0 | 0.78 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Bromochloromethane | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Bromodichloromethane | ND | 5.0 | 0.79 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Bromoform | ND | 5.0 | 0.52 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Bromomethane | ND | 5.0 | 0.66 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Carbon disulfide | ND | 5.0 | 0.92 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Carbon tetrachloride | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Chlorobenzene | ND | 5.0 | 0.94 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Chloroethane | ND | 5.0 | 1.3 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Chloroform | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Chloromethane | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 0.84 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| cis-1,3-Dichloropropene | ND | 5.0 | 0.77 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Di-isopropyl ether | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Dibromochloromethane | ND | 5.0 | 0.97 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Dibromomethane | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Dichlorodifluoromethane | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Ethyl Acetate | ND | 50 | 7.3 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Ethyl Ether | ND | 50 | 9.3 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Ethyl tert-butyl ether | ND | 5.0 | 0.86 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Ethylbenzene | ND | 5.0 | 0.80 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Freon-113 | ND | 5.0 | 1.3 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Hexachlorobutadiene | ND | 5.0 | 1.4 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Isopropylbenzene | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| m,p-Xylene | ND | 10 | 1.7 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Methylene chloride | ND | 5.0 | 5.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| MTBE | ND | 5.0 | 0.98 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| n-Butylbenzene | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| n-Propylbenzene | ND | 5.0 | 0.98 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Naphthalene | ND | 5.0 | 2.7 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| o-Xylene | ND | 5.0 | 0.64 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| sec-Butylbenzene | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Styrene | ND | 5.0 | 0.55 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| tert-Amyl methyl ether | ND | 5.0 | 0.73 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-105-12.5

## Lab ID: 1302006-20

**Volatile Organic Compounds by EPA 8260** **Analyst: TP**

| Analyte | Result (ug/kg) | PQL (ug/kg) | MDL (ug/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| tert-Butanol | ND | 100 | 18 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| tert-Butylbenzene | ND | 5.0 | 0.89 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Tetrachloroethene | ND | 5.0 | 0.62 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Toluene | ND | 5.0 | 0.88 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1.2 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.1 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Trichloroethene | ND | 5.0 | 0.85 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Trichlorofluoromethane | ND | 5.0 | 1.0 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Vinyl acetate | ND | 50 | 8.2 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| Vinyl chloride | ND | 5.0 | 0.75 | 1 | B3G0209 | 07/12/2013 | 07/12/13 14:03 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *109 %* | *70 - 130* | | | B3G0209 | 07/12/2013 | *07/12/13 14:03* | |
| *Surrogate: 4-Bromofluorobenzene* | *93.2 %* | *70 - 130* | | | B3G0209 | 07/12/2013 | *07/12/13 14:03* | |
| *Surrogate: Dibromofluoromethane* | *107 %* | *70 - 130* | | | B3G0209 | 07/12/2013 | *07/12/13 14:03* | |
| *Surrogate: Toluene-d8* | *101 %* | *70 - 130* | | | B3G0209 | 07/12/2013 | *07/12/13 14:03* | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Client Sample ID 1214-EB
## Lab ID: 1302006-21

### Title 22 Metals by ICP-AES EPA 6010B

**Analyst: AG**

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.0050 | 0.0035 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Arsenic | ND | 0.010 | 0.0054 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| **Barium** | **0.0006** | 0.0030 | 0.0002 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | J |
| Beryllium | ND | 0.0030 | 0.0002 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Cadmium | ND | 0.0030 | 0.0002 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| **Chromium** | **0.0010** | 0.0030 | 0.0006 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | J |
| Cobalt | ND | 0.0030 | 0.0004 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Copper | ND | 0.0050 | 0.0025 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Lead | ND | 0.0050 | 0.0022 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Molybdenum | ND | 0.0050 | 0.0025 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Nickel | ND | 0.0050 | 0.0009 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Selenium | ND | 0.010 | 0.0067 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Silver | ND | 0.0030 | 0.0018 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Thallium | ND | 0.015 | 0.0046 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| Vanadium | ND | 0.0030 | 0.0019 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |
| **Zinc** | **0.040** | 0.010 | 0.0041 | 1 | B3G0192 | 07/11/2013 | 07/12/13 09:10 | |

### Mercury by AA (Cold Vapor) EPA 7470A

**Analyst: VV**

| Analyte | Result (ug/L) | PQL (ug/L) | MDL (ug/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.20 | 0.03 | 1 | B3G0280 | 07/16/2013 | 07/16/13 15:47 | |

### Gasoline Range Organics by EPA 8015B

**Analyst: DP**

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C4-C12 | ND | 0.20 | 0.05 | 1 | B3G0207 | 07/12/2013 | 07/12/13 16:21 | |
| *Surrogate: 4-Bromofluorobenzene* | *93.3 %* | | *70 - 130* | | B3G0207 | 07/12/2013 | *07/12/13 16:21* | |

### Hydrocarbon Chain Distribution by EPA 8015(M)

**Analyst: CR**

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| T/R Hydrocarbons: C13-C22 | ND | 0.20 | 0.20 | 1 | B3G0278 | 07/16/2013 | 07/16/13 12:05 | |
| T/R Hydrocarbons: C23-C32 | ND | 0.20 | 0.20 | 1 | B3G0278 | 07/16/2013 | 07/16/13 12:05 | |
| *Surrogate: p-Terphenyl* | *93.4 %* | | *38 - 151* | | B3G0278 | 07/16/2013 | *07/16/13 12:05* | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-EB

## Lab ID: 1302006-21

**Volatile Organic Compounds by EPA 8260** **Analyst: SL**

| Analyte | Result (ug/L) | PQL (ug/L) | MDL (ug/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 0.43 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 0.31 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1-Dichloroethane | ND | 5.0 | 0.30 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1-Dichloroethene | ND | 5.0 | 0.33 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,1-Dichloropropene | ND | 5.0 | 0.36 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.49 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 0.30 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.40 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2-Dibromoethane | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.44 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2-Dichloroethane | ND | 5.0 | 0.45 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,2-Dichloropropane | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,3-Dichloropropane | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.34 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 2,2-Dichloropropane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 2-Chloroethyl vinyl ether | ND | 5.0 | 0.27 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 2-Chlorotoluene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 4-Chlorotoluene | ND | 5.0 | 0.38 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| 4-Isopropyltoluene | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Benzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Bromobenzene | ND | 5.0 | 0.42 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Bromochloromethane | ND | 5.0 | 0.29 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Bromodichloromethane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Bromoform | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Bromomethane | ND | 5.0 | 0.49 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Carbon disulfide | ND | 5.0 | 5.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Carbon tetrachloride | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Chlorobenzene | ND | 5.0 | 0.19 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Chloroethane | ND | 5.0 | 0.44 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Chloroform | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Chloromethane | ND | 5.0 | 0.34 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Client Sample ID 1214-EB

## Lab ID: 1302006-21

**Volatile Organic Compounds by EPA 8260** **Analyst: SL**

| Analyte | Result (ug/L) | PQL (ug/L) | MDL (ug/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| cis-1,3-Dichloropropene | ND | 5.0 | 0.18 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Di-isopropyl ether | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Dibromochloromethane | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Dibromomethane | ND | 5.0 | 0.29 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Dichlorodifluoromethane | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Ethyl Acetate | ND | 50 | 2.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Ethyl Ether | ND | 50 | 2.7 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Ethyl tert-butyl ether | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Ethylbenzene | ND | 5.0 | 0.17 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Freon-113 | ND | 5.0 | 0.39 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Hexachlorobutadiene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Isopropylbenzene | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| m,p-Xylene | ND | 10 | 0.43 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Methylene chloride | ND | 5.0 | 5.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| MTBE | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| n-Butylbenzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| n-Propylbenzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Naphthalene | ND | 5.0 | 0.35 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| o-Xylene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| sec-Butylbenzene | ND | 5.0 | 0.21 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Styrene | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| tert-Amyl methyl ether | ND | 5.0 | 0.17 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| tert-Butanol | ND | 100 | 4.6 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| tert-Butylbenzene | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Tetrachloroethene | ND | 5.0 | 0.27 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Toluene | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 0.31 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 0.21 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Trichloroethene | ND | 5.0 | 0.35 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Trichlorofluoromethane | ND | 5.0 | 0.41 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Vinyl acetate | ND | 50 | 1.8 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| Vinyl chloride | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:34 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *105 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:34* | |
| *Surrogate: 4-Bromofluorobenzene* | *101 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:34* | |
| *Surrogate: Dibromofluoromethane* | *109 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:34* | |
| *Surrogate: Toluene-d8* | *96.2 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:34* | |

# Certificate of Analysis

| | |
|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

**Client Sample ID Trip Blank**

**Lab ID: 1302006-22**

**Volatile Organic Compounds by EPA 8260** **Analyst: SL**

| Analyte | Result (ug/L) | PQL (ug/L) | MDL (ug/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 0.43 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 0.31 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1-Dichloroethane | ND | 5.0 | 0.30 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1-Dichloroethene | ND | 5.0 | 0.33 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,1-Dichloropropene | ND | 5.0 | 0.36 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.49 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 0.30 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.40 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2-Dibromoethane | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.44 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2-Dichloroethane | ND | 5.0 | 0.45 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,2-Dichloropropane | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,3-Dichloropropane | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.34 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 2,2-Dichloropropane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 2-Chloroethyl vinyl ether | ND | 5.0 | 0.27 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 2-Chlorotoluene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 4-Chlorotoluene | ND | 5.0 | 0.38 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| 4-Isopropyltoluene | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Benzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Bromobenzene | ND | 5.0 | 0.42 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Bromochloromethane | ND | 5.0 | 0.29 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Bromodichloromethane | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Bromoform | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Bromomethane | ND | 5.0 | 0.49 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Carbon disulfide | ND | 5.0 | 5.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Carbon tetrachloride | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Chlorobenzene | ND | 5.0 | 0.19 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Chloroethane | ND | 5.0 | 0.44 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Chloroform | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Chloromethane | ND | 5.0 | 0.34 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

**Client Sample ID Trip Blank**

**Lab ID: 1302006-22**

**Volatile Organic Compounds by EPA 8260** **Analyst: SL**

| Analyte | Result (ug/L) | PQL (ug/L) | MDL (ug/L) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | ND | 5.0 | 0.32 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| cis-1,3-Dichloropropene | ND | 5.0 | 0.18 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Di-isopropyl ether | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Dibromochloromethane | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Dibromomethane | ND | 5.0 | 0.29 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Dichlorodifluoromethane | ND | 5.0 | 0.37 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Ethyl Acetate | ND | 50 | 2.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Ethyl Ether | ND | 50 | 2.7 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Ethyl tert-butyl ether | ND | 5.0 | 0.25 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Ethylbenzene | ND | 5.0 | 0.17 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Freon-113 | ND | 5.0 | 0.39 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Hexachlorobutadiene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Isopropylbenzene | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| m,p-Xylene | ND | 10 | 0.43 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Methylene chloride | ND | 5.0 | 5.0 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| MTBE | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| n-Butylbenzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| n-Propylbenzene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Naphthalene | ND | 5.0 | 0.35 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| o-Xylene | ND | 5.0 | 0.23 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| sec-Butylbenzene | ND | 5.0 | 0.21 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Styrene | ND | 5.0 | 0.26 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| tert-Amyl methyl ether | ND | 5.0 | 0.17 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| tert-Butanol | ND | 100 | 4.6 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| tert-Butylbenzene | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Tetrachloroethene | ND | 5.0 | 0.27 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Toluene | ND | 5.0 | 0.20 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| trans-1,2-Dichloroethene | ND | 5.0 | 0.31 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| trans-1,3-Dichloropropene | ND | 5.0 | 0.21 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Trichloroethene | ND | 5.0 | 0.35 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Trichlorofluoromethane | ND | 5.0 | 0.41 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Vinyl acetate | ND | 50 | 1.8 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| Vinyl chloride | ND | 5.0 | 0.28 | 1 | B3G0180 | 07/11/2013 | 07/11/13 12:11 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *106 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:11* | |
| *Surrogate: 4-Bromofluorobenzene* | *102 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:11* | |
| *Surrogate: Dibromofluoromethane* | *112 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:11* | |
| *Surrogate: Toluene-d8* | *87.8 %* | | *70 - 130* | | B3G0180 | 07/11/2013 | *07/11/13 12:11* | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## QUALITY CONTROL SECTION

### Title 22 Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0192 - EPA 3010A** | | | | | | | | | |
| **Blank (B3G0192-BLK1)** | | | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Antimony | ND | 0.0050 | | | NR | | | | |
| Arsenic | ND | 0.010 | | | NR | | | | |
| Barium | ND | 0.0030 | | | NR | | | | |
| Beryllium | ND | 0.0030 | | | NR | | | | |
| Cadmium | ND | 0.0030 | | | NR | | | | |
| Chromium | ND | 0.0030 | | | NR | | | | |
| Cobalt | ND | 0.0030 | | | NR | | | | |
| Copper | ND | 0.0050 | | | NR | | | | |
| Lead | ND | 0.0050 | | | NR | | | | |
| Molybdenum | ND | 0.0050 | | | NR | | | | |
| Nickel | ND | 0.0050 | | | NR | | | | |
| Selenium | ND | 0.010 | | | NR | | | | |
| Silver | ND | 0.0030 | | | NR | | | | |
| Thallium | ND | 0.015 | | | NR | | | | |
| Vanadium | ND | 0.0030 | | | NR | | | | |
| Zinc | ND | 0.010 | | | NR | | | | |
| **LCS (B3G0192-BS1)** | | | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Antimony | 1.00585 | 0.0050 | 1.00000 | | 101 | 80 - 120 | | | |
| Arsenic | 1.00201 | 0.010 | 1.00000 | | 100 | 80 - 120 | | | |
| Barium | 0.973861 | 0.0030 | 1.00000 | | 97.4 | 80 - 120 | | | |
| Beryllium | 1.04823 | 0.0030 | 1.00000 | | 105 | 80 - 120 | | | |
| Cadmium | 0.984149 | 0.0030 | 1.00000 | | 98.4 | 80 - 120 | | | |
| Chromium | 1.00844 | 0.0030 | 1.00000 | | 101 | 80 - 120 | | | |
| Cobalt | 0.986814 | 0.0030 | 1.00000 | | 98.7 | 80 - 120 | | | |
| Copper | 1.03472 | 0.0050 | 1.00000 | | 103 | 80 - 120 | | | |
| Lead | 1.02601 | 0.0050 | 1.00000 | | 103 | 80 - 120 | | | |
| Molybdenum | 1.03552 | 0.0050 | 1.00000 | | 104 | 80 - 120 | | | |
| Nickel | 0.980305 | 0.0050 | 1.00000 | | 98.0 | 80 - 120 | | | |
| Selenium | 0.940463 | 0.010 | 1.00000 | | 94.0 | 80 - 120 | | | |
| Silver | 0.946848 | 0.0030 | 1.00000 | | 94.7 | 80 - 120 | | | |
| Thallium | 1.02650 | 0.015 | 1.00000 | | 103 | 80 - 120 | | | |
| Vanadium | 1.00210 | 0.0030 | 1.00000 | | 100 | 80 - 120 | | | |
| Zinc | 1.02990 | 0.010 | 1.00000 | | 103 | 80 - 120 | | | |
| **Duplicate (B3G0192-DUP1)** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Antimony | 0.004207 | 0.0050 | | ND | NR | | | 20 | J |
| Arsenic | ND | 0.010 | | ND | NR | | | 20 | |
| Barium | 0.005286 | 0.0030 | | 0.000628 | NR | | 158 | 20 | R |
| Beryllium | 4.5819E-3 | 0.0030 | | ND | NR | | | 20 | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0192 - EPA 3010A (continued)** | | | | | | | | | |
| **Duplicate (B3G0192-DUP1) - Continued** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Cadmium | 0.004522 | 0.0030 | | ND | NR | | | 20 | |
| Chromium | 6.5013E-3 | 0.0030 | | 0.001038 | NR | | 145 | 20 | R |
| Cobalt | 0.004617 | 0.0030 | | ND | NR | | | 20 | |
| Copper | 0.005886 | 0.0050 | | ND | NR | | | 20 | |
| Lead | 0.005086 | 0.0050 | | ND | NR | | | 20 | |
| Molybdenum | 0.004773 | 0.0050 | | ND | NR | | | 20 | J |
| Nickel | 0.005518 | 0.0050 | | ND | NR | | | 20 | |
| Selenium | ND | 0.010 | | ND | NR | | | 20 | |
| Silver | 0.004919 | 0.0030 | | ND | NR | | | 20 | |
| Thallium | ND | 0.015 | | ND | NR | | | 20 | |
| Vanadium | 4.3404E-3 | 0.0030 | | ND | NR | | | 20 | |
| Zinc | 0.037367 | 0.010 | | 0.040419 | NR | | 7.85 | 20 | |
| **Matrix Spike (B3G0192-MS1)** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Antimony | 2.74537 | 0.0050 | 2.50000 | ND | 110 | 78 - 117 | | | |
| Arsenic | 2.71275 | 0.010 | 2.50000 | ND | 109 | 78 - 113 | | | |
| Barium | 2.74918 | 0.0030 | 2.50000 | 0.000628 | 110 | 77 - 112 | | | |
| Beryllium | 2.88510 | 0.0030 | 2.50000 | ND | 115 | 82 - 112 | | | M1 |
| Cadmium | 2.67725 | 0.0030 | 2.50000 | ND | 107 | 76 - 107 | | | |
| Chromium | 2.77188 | 0.0030 | 2.50000 | 0.001038 | 111 | 76 - 113 | | | |
| Cobalt | 2.69055 | 0.0030 | 2.50000 | ND | 108 | 75 - 110 | | | |
| Copper | 2.81961 | 0.0050 | 2.50000 | ND | 113 | 77 - 115 | | | |
| Lead | 2.61944 | 0.0050 | 2.50000 | ND | 105 | 76 - 109 | | | |
| Molybdenum | 2.66326 | 0.0050 | 2.50000 | ND | 107 | 77 - 108 | | | |
| Nickel | 2.67890 | 0.0050 | 2.50000 | ND | 107 | 67 - 121 | | | |
| Selenium | 2.58332 | 0.010 | 2.50000 | ND | 103 | 67 - 125 | | | |
| Silver | 2.77711 | 0.0030 | 2.50000 | ND | 111 | 68 - 129 | | | |
| Thallium | 2.78281 | 0.015 | 2.50000 | ND | 111 | 70 - 119 | | | |
| Vanadium | 2.74923 | 0.0030 | 2.50000 | ND | 110 | 80 - 113 | | | |
| Zinc | 2.66414 | 0.010 | 2.50000 | 0.040419 | 105 | 62 - 120 | | | |
| **Matrix Spike Dup (B3G0192-MSD1)** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Antimony | 2.37242 | 0.0050 | 2.50000 | ND | 94.9 | 78 - 117 | 14.6 | 20 | |
| Arsenic | 2.35945 | 0.010 | 2.50000 | ND | 94.4 | 78 - 113 | 13.9 | 20 | |
| Barium | 2.39682 | 0.0030 | 2.50000 | 0.000628 | 95.8 | 77 - 112 | 13.7 | 20 | |
| Beryllium | 2.49850 | 0.0030 | 2.50000 | ND | 99.9 | 82 - 112 | 14.4 | 20 | |
| Cadmium | 2.34046 | 0.0030 | 2.50000 | ND | 93.6 | 76 - 107 | 13.4 | 20 | |
| Chromium | 2.41134 | 0.0030 | 2.50000 | 0.001038 | 96.4 | 76 - 113 | 13.9 | 20 | |
| Cobalt | 2.35175 | 0.0030 | 2.50000 | ND | 94.1 | 75 - 110 | 13.4 | 20 | |
| Copper | 2.41670 | 0.0050 | 2.50000 | ND | 96.7 | 77 - 115 | 15.4 | 20 | |
| Lead | 2.30167 | 0.0050 | 2.50000 | ND | 92.1 | 76 - 109 | 12.9 | 20 | |
| Molybdenum | 2.31097 | 0.0050 | 2.50000 | ND | 92.4 | 77 - 108 | 14.2 | 20 | |

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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0192 - EPA 3010A (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0192-MSD1) - Continued** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/12/2013 | | | | | |
| Nickel | 2.34130 | 0.0050 | 2.50000 | ND | 93.7 | 67 - 121 | 13.4 | 20 | |
| Selenium | 2.23986 | 0.010 | 2.50000 | ND | 89.6 | 67 - 125 | 14.2 | 20 | |
| Silver | 2.41877 | 0.0030 | 2.50000 | ND | 96.8 | 68 - 129 | 13.8 | 20 | |
| Thallium | 2.42416 | 0.015 | 2.50000 | ND | 97.0 | 70 - 119 | 13.8 | 20 | |
| Vanadium | 2.38278 | 0.0030 | 2.50000 | ND | 95.3 | 80 - 113 | 14.3 | 20 | |
| Zinc | 2.33680 | 0.010 | 2.50000 | 0.040419 | 91.9 | 62 - 120 | 13.1 | 20 | |
| **Batch B3G0394 - EPA 3050B** | | | | | | | | | |
| **Blank (B3G0394-BLK1)** | | | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Antimony | ND | 2.0 | | | NR | | | | |
| Arsenic | ND | 1.0 | | | NR | | | | |
| Barium | ND | 1.0 | | | NR | | | | |
| Beryllium | ND | 1.0 | | | NR | | | | |
| Cadmium | ND | 1.0 | | | NR | | | | |
| Chromium | 0.111235 | 1.0 | | | NR | | | | J |
| Cobalt | ND | 1.0 | | | NR | | | | |
| Copper | ND | 2.0 | | | NR | | | | |
| Lead | ND | 1.0 | | | NR | | | | |
| Molybdenum | ND | 1.0 | | | NR | | | | |
| Nickel | 0.096406 | 1.0 | | | NR | | | | J |
| Selenium | ND | 1.0 | | | NR | | | | |
| Silver | ND | 1.0 | | | NR | | | | |
| Thallium | ND | 1.0 | | | NR | | | | |
| Vanadium | ND | 1.0 | | | NR | | | | |
| Zinc | ND | 1.0 | | | NR | | | | |
| **LCS (B3G0394-BS1)** | | | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Antimony | 46.2105 | 2.0 | 50.0000 | | 92.4 | 80 - 120 | | | |
| Arsenic | 46.4186 | 1.0 | 50.0000 | | 92.8 | 80 - 120 | | | |
| Barium | 46.9794 | 1.0 | 50.0000 | | 94.0 | 80 - 120 | | | |
| Beryllium | 47.6517 | 1.0 | 50.0000 | | 95.3 | 80 - 120 | | | |
| Cadmium | 46.6633 | 1.0 | 50.0000 | | 93.3 | 80 - 120 | | | |
| Chromium | 48.9967 | 1.0 | 50.0000 | | 98.0 | 80 - 120 | | | |
| Cobalt | 48.0447 | 1.0 | 50.0000 | | 96.1 | 80 - 120 | | | |
| Copper | 48.9514 | 2.0 | 50.0000 | | 97.9 | 80 - 120 | | | |
| Lead | 47.9507 | 1.0 | 50.0000 | | 95.9 | 80 - 120 | | | |
| Molybdenum | 49.3597 | 1.0 | 50.0000 | | 98.7 | 80 - 120 | | | |
| Nickel | 47.3436 | 1.0 | 50.0000 | | 94.7 | 80 - 120 | | | |
| Selenium | 43.6363 | 1.0 | 50.0000 | | 87.3 | 80 - 120 | | | |
| Silver | 43.6907 | 1.0 | 50.0000 | | 87.4 | 80 - 120 | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0394 - EPA 3050B (continued)** | | | | | | | | | |
| **LCS (B3G0394-BS1) - Continued** | | | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Thallium | 47.4957 | 1.0 | 50.0000 | | 95.0 | 80 - 120 | | | |
| Vanadium | 49.0766 | 1.0 | 50.0000 | | 98.2 | 80 - 120 | | | |
| Zinc | 50.6212 | 1.0 | 50.0000 | | 101 | 80 - 120 | | | |
| **Duplicate (B3G0394-DUP1)** | | **Source: 1302006-13** | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Antimony | 0.386356 | 2.0 | | ND | NR | | | 20 | J |
| Arsenic | 2.03557 | 1.0 | | 2.26906 | NR | | 10.8 | 20 | |
| Barium | 85.0762 | 1.0 | | 98.0270 | NR | | 14.1 | 20 | |
| Beryllium | 0.261292 | 1.0 | | 0.279597 | NR | | 6.77 | 20 | J |
| Cadmium | 0.152308 | 1.0 | | 0.177908 | NR | | 15.5 | 20 | J |
| Chromium | 12.6950 | 1.0 | | 13.4476 | NR | | 5.76 | 20 | |
| Cobalt | 5.56236 | 1.0 | | 5.75103 | NR | | 3.34 | 20 | |
| Copper | 8.67056 | 2.0 | | 9.48924 | NR | | 9.02 | 20 | |
| Lead | 26.7985 | 1.0 | | 33.3674 | NR | | 21.8 | 20 | R |
| Molybdenum | 0.502336 | 1.0 | | 0.535501 | NR | | 6.39 | 20 | J |
| Nickel | 14.8144 | 1.0 | | 16.1081 | NR | | 8.37 | 20 | |
| Selenium | ND | 1.0 | | ND | NR | | | 20 | |
| Silver | ND | 1.0 | | ND | NR | | | 20 | |
| Thallium | 0.373093 | 1.0 | | ND | NR | | | 20 | J |
| Vanadium | 16.8822 | 1.0 | | 17.8650 | NR | | 5.66 | 20 | |
| Zinc | 31.6625 | 1.0 | | 35.4303 | NR | | 11.2 | 20 | |
| **Matrix Spike (B3G0394-MS1)** | | **Source: 1302006-13** | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Antimony | 84.3386 | 2.0 | 125.000 | ND | 67.5 | 21 - 109 | | | |
| Arsenic | 107.281 | 1.0 | 125.000 | 2.26906 | 84.0 | 55 - 102 | | | |
| Barium | 213.109 | 1.0 | 125.000 | 98.0270 | 92.1 | 40 - 130 | | | |
| Beryllium | 108.049 | 1.0 | 125.000 | 0.279597 | 86.2 | 60 - 104 | | | |
| Cadmium | 101.878 | 1.0 | 125.000 | 0.177908 | 81.4 | 52 - 100 | | | |
| Chromium | 122.351 | 1.0 | 125.000 | 13.4476 | 87.1 | 53 - 113 | | | |
| Cobalt | 110.169 | 1.0 | 125.000 | 5.75103 | 83.5 | 53 - 104 | | | |
| Copper | 120.770 | 2.0 | 125.000 | 9.48924 | 89.0 | 51 - 122 | | | |
| Lead | 136.293 | 1.0 | 125.000 | 33.3674 | 82.3 | 51 - 106 | | | |
| Molybdenum | 105.658 | 1.0 | 125.000 | 0.535501 | 84.1 | 55 - 103 | | | |
| Nickel | 119.446 | 1.0 | 125.000 | 16.1081 | 82.7 | 48 - 112 | | | |
| Selenium | 93.7667 | 1.0 | 125.000 | ND | 75.0 | 53 - 104 | | | |
| Silver | 107.452 | 1.0 | 125.000 | ND | 86.0 | 61 - 109 | | | |
| Thallium | 101.228 | 1.0 | 125.000 | ND | 81.0 | 44 - 103 | | | |
| Vanadium | 128.724 | 1.0 | 125.000 | 17.8650 | 88.7 | 55 - 115 | | | |
| Zinc | 138.347 | 1.0 | 125.000 | 35.4303 | 82.3 | 24 - 130 | | | |
| **Matrix Spike Dup (B3G0394-MSD1)** | | **Source: 1302006-13** | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Antimony | 91.5791 | 2.0 | 125.000 | ND | 73.3 | 21 - 109 | 8.23 | 20 | |

# Certificate of Analysis

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0394 - EPA 3050B (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0394-MSD1) - Continued** | | **Source: 1302006-13** | | Prepared: 7/23/2013 Analyzed: 7/23/2013 | | | | | |
| Arsenic | 110.336 | 1.0 | 125.000 | 2.26906 | 86.5 | 55 - 102 | 2.81 | 20 | |
| Barium | 185.475 | 1.0 | 125.000 | 98.0270 | 70.0 | 40 - 130 | 13.9 | 20 | |
| Beryllium | 111.438 | 1.0 | 125.000 | 0.279597 | 88.9 | 60 - 104 | 3.09 | 20 | |
| Cadmium | 110.041 | 1.0 | 125.000 | 0.177908 | 87.9 | 52 - 100 | 7.70 | 20 | |
| Chromium | 126.327 | 1.0 | 125.000 | 13.4476 | 90.3 | 53 - 113 | 3.20 | 20 | |
| Cobalt | 112.943 | 1.0 | 125.000 | 5.75103 | 85.8 | 53 - 104 | 2.49 | 20 | |
| Copper | 121.046 | 2.0 | 125.000 | 9.48924 | 89.2 | 51 - 122 | 0.229 | 20 | |
| Lead | 128.636 | 1.0 | 125.000 | 33.3674 | 76.2 | 51 - 106 | 5.78 | 20 | |
| Molybdenum | 105.089 | 1.0 | 125.000 | 0.535501 | 83.6 | 55 - 103 | 0.539 | 20 | |
| Nickel | 122.111 | 1.0 | 125.000 | 16.1081 | 84.8 | 48 - 112 | 2.21 | 20 | |
| Selenium | 98.5665 | 1.0 | 125.000 | ND | 78.9 | 53 - 104 | 4.99 | 20 | |
| Silver | 115.644 | 1.0 | 125.000 | ND | 92.5 | 61 - 109 | 7.34 | 20 | |
| Thallium | 105.761 | 1.0 | 125.000 | ND | 84.6 | 44 - 103 | 4.38 | 20 | |
| Vanadium | 135.573 | 1.0 | 125.000 | 17.8650 | 94.2 | 55 - 115 | 5.18 | 20 | |
| Zinc | 140.655 | 1.0 | 125.000 | 35.4303 | 84.2 | 24 - 130 | 1.65 | 20 | |

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## Mercury by AA (Cold Vapor) EPA 7470A - Quality Control

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0280 - EPA 245.1/7470** | | | | | | | | | |
| **Blank (B3G0280-BLK1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | ND | 0.20 | | | NR | | | | |
| **LCS (B3G0280-BS1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | 9.46222 | 0.20 | 10.0000 | | 94.6 | 80 - 120 | | | |
| **Duplicate (B3G0280-DUP1)** | | **Source: 1301995-01** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | ND | 0.20 | | ND | NR | | | 20 | |
| **Matrix Spike (B3G0280-MS1)** | | **Source: 1301995-01** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | 10.3641 | 0.20 | 10.0000 | ND | 104 | 70 - 130 | | | |
| **Matrix Spike Dup (B3G0280-MSD1)** | | **Source: 1301995-01** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | 10.2482 | 0.20 | 10.0000 | ND | 102 | 70 - 130 | 1.13 | 20 | |
| **Post Spike (B3G0280-PS1)** | | **Source: 1301995-01** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| Mercury | 5.16489 | | 5.00000 | -0.047098 | 104 | 70 - 130 | | | |

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## Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0446 - EPA 7471** | | | | | | | | | |
| **Blank (B3G0446-BLK1)** | | | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | ND | 0.10 | | | NR | | | | |
| **LCS (B3G0446-BS1)** | | | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | 0.934682 | 0.10 | 0.833333 | | 112 | 80 - 120 | | | |
| **Duplicate (B3G0446-DUP1)** | | **Source: 1302181-19** | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | 0.031534 | 0.10 | | 0.031964 | NR | | 1.36 | 20 | J |
| **Matrix Spike (B3G0446-MS1)** | | **Source: 1302181-19** | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | 0.922504 | 0.10 | 0.833333 | 0.031964 | 107 | 70 - 130 | | | |
| **Matrix Spike Dup (B3G0446-MSD1)** | | **Source: 1302181-19** | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | 0.925667 | 0.10 | 0.833333 | 0.031964 | 107 | 70 - 130 | 0.342 | 20 | |
| **Post Spike (B3G0446-PS1)** | | **Source: 1302181-19** | | Prepared: 7/24/2013 Analyzed: 7/24/2013 | | | | | |
| Mercury | 0.005653 | | 5.00000E-3 | 0.000384 | 105 | 70 - 130 | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0207 - GCVOAW** | | | | | | | | | |
| **Blank (B3G0207-BLK1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 0.20 | | | NR | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1110* | | *0.100000* | | *111* | *70 - 130* | | | |
| **LCS (B3G0207-BS2)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 0.843000 | | 1.00000 | | 84.3 | 70 - 130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1123* | | *0.100000* | | *112* | *70 - 130* | | | |
| **LCS Dup (B3G0207-BSD2)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 0.842000 | | 1.00000 | | 84.2 | 70 - 130 | 0.119 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1127* | | *0.100000* | | *113* | *70 - 130* | | | |
| **Duplicate (B3G0207-DUP1)** | | **Source: 1302025-02** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 0.20 | | ND | NR | | | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1102* | | *0.100000* | | *110* | *70 - 130* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS** | | | | | | | | | |
| **Blank (B3G0263-BLK1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | | NR | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1011* | | *0.100000* | | *101* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0263-BS1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 5.03700 | | 5.00000 | | 101 | 70 - 130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1128* | | *0.100000* | | *113* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0263-BSD1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 5.04400 | | 5.00000 | | 101 | 70 - 130 | 0.139 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1118* | | *0.100000* | | *112* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0263-DUP1)** | | **Source: 1302006-01** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | ND | NR | | | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.09930* | | *0.100000* | | *99.3* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0263-MS1)** | | **Source: 1302006-01** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.15600 | | 5.00000 | 0.02 | 82.7 | 42 - 125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1117* | | *0.100000* | | *112* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0263 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0263-MSD1)** | | **Source: 1302006-01** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.10700 | | 5.00000 | 0.02 | 81.7 | 42 - 125 | 1.19 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1093* | | *0.100000* | | *109* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS** | | | | | | | | | |
| **Blank (B3G0264-BLK1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | | NR | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1035* | | *0.100000* | | *104* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0264-BS1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.94700 | | 5.00000 | | 98.9 | 70 - 130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1108* | | *0.100000* | | *111* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0264-BSD1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.94500 | | 5.00000 | | 98.9 | 70 - 130 | 0.0404 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1128* | | *0.100000* | | *113* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0264-DUP1)** | | **Source: 1302006-11** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | ND | NR | | | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1089* | | *0.100000* | | *109* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0264-MS1)** | | **Source: 1302006-11** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.56000 | | 5.00000 | 0.023 | 90.7 | 42 - 125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1071* | | *0.100000* | | *107* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0264 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0264-MSD1)** | | **Source: 1302006-11** | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.36700 | | 5.00000 | 0.023 | 86.9 | 42 - 125 | 4.32 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1124* | | *0.100000* | | *112* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS** | | | | | | | | | |
| **Blank (B3G0310-BLK1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | | NR | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.09773* | | *0.100000* | | *97.7* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0310-BS1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.67900 | | 5.00000 | | 93.6 | 70 - 130 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1068* | | *0.100000* | | *107* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0310-BSD1)** | | | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 4.66200 | | 5.00000 | | 93.2 | 70 - 130 | 0.364 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1086* | | *0.100000* | | *109* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0310-DUP1)** | | **Source: 1302006-18** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | ND | 1.0 | | ND | NR | | | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1103* | | *0.100000* | | *110* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0310-MS1)** | | **Source: 1302006-18** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 3.87900 | | 5.00000 | 0.018 | 77.2 | 42 - 125 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.1096* | | *0.100000* | | *110* | *54 - 150* | | | |

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## Gasoline Range Organics by EPA 8015B - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0310 - GCVOAS (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0310-MSD1)** | | **Source: 1302006-18** | | Prepared: 7/17/2013 Analyzed: 7/17/2013 | | | | | |
| T/R Hydrocarbons: C4-C12 | 3.83500 | | 5.00000 | 0.018 | 76.3 | 42 - 125 | 1.14 | 20 | |
| *Surrogate: 4-Bromofluorobenzene* | *0.09745* | | *0.100000* | | *97.4* | *54 - 150* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0250 - GCSEMI_DRO** | | | | | | | | | |
| **Blank (B3G0250-BLK1)** | | | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| T/R Hydrocarbons: C13-C22 | ND | 10 | | | NR | | | | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | | | NR | | | | |
| *Surrogate: p-Terphenyl* | *86.57* | | *80.0000* | | *108* | *55 - 153* | | | |

# Certificate of Analysis

| | | | |
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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0250 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **LCS (B3G0250-BS1)** | | | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1219.14 | 10 | 1000.00 | | 122 | 65 - 151 | | | |
| *Surrogate: p-Terphenyl* | *91.31* | | *80.0000* | | *114* | *55 - 153* | | | |

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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0250 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Duplicate (B3G0250-DUP1)** | | **Source: 1302006-10** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | ND | 10 | | ND | NR | | | 20 | |
| *Surrogate: p-Terphenyl* | *85.40* | | *80.0000* | | *107* | *55 - 153* | | | |

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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0250 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0250-MS1)** | | **Source: 1302006-10** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1148.55 | 10 | 1000.00 | ND | 115 | 45 - 168 | | | |
| *Surrogate: p-Terphenyl* | *86.72* | | *80.0000* | | *108* | *55 - 153* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0250 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0250-MSD1)** | | **Source: 1302006-10** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1116.82 | 10 | 1000.00 | ND | 112 | 45 - 168 | 2.80 | 20 | |
| *Surrogate: p-Terphenyl* | *87.29* | | *80.0000* | | *109* | *55 - 153* | | | |

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| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0259 - GCSEMI_DRO** | | | | | | | | | |
| **Blank (B3G0259-BLK1)** | | | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| T/R Hydrocarbons: C13-C22 | ND | 10 | | | NR | | | | |
| T/R Hydrocarbons: C23-C32 | ND | 10 | | | NR | | | | |
| *Surrogate: p-Terphenyl* | *86.88* | | *80.0000* | | *109* | *55 - 153* | | | |

# Certificate of Analysis

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0259 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **LCS (B3G0259-BS1)** | | | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1169.36 | 10 | 1000.00 | | 117 | 65 - 151 | | | |
| *Surrogate: p-Terphenyl* | *88.60* | | *80.0000* | | *111* | *55 - 153* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0259 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Duplicate (B3G0259-DUP1)** | | **Source: 1302006-11** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | ND | 10 | | 15.3100 | NR | | | 20 | |
| *Surrogate: p-Terphenyl* | *87.46* | | *80.0000* | | *109* | *55 - 153* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0259 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0259-MS1)** | | **Source: 1302006-11** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1140.16 | 10 | 1000.00 | 15.3100 | 112 | 45 - 168 | | | |
| *Surrogate: p-Terphenyl* | *84.77* | | *80.0000* | | *106* | *55 - 153* | | | |

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| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0259 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0259-MSD1)** | | **Source: 1302006-11** | | Prepared: 7/15/2013 Analyzed: 7/15/2013 | | | | | |
| DRO | 1141.32 | 10 | 1000.00 | 15.3100 | 113 | 45 - 168 | 0.102 | 20 | |
| *Surrogate: p-Terphenyl* | *87.13* | | *80.0000* | | *109* | *55 - 153* | | | |

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| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/kg) | PQL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0278 - GCSEMI_DRO** | | | | | | | | | |
| **Blank (B3G0278-BLK1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| T/R Hydrocarbons: C13-C22 | ND | 0.20 | | | NR | | | | |
| T/R Hydrocarbons: C23-C32 | ND | 0.20 | | | NR | | | | |
| *Surrogate: p-Terphenyl* | *0.07291* | | *8.00000E-2* | | *91.1* | *38 - 151* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0278 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **LCS (B3G0278-BS1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| DRO | 0.951010 | 0.20 | 1.00000 | | 95.1 | 50 - 121 | | | |
| *Surrogate: p-Terphenyl* | *0.07176* | | *8.00000E-2* | | *89.7* | *38 - 151* | | | |

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| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Hydrocarbon Chain Distribution by EPA 8015(M) - Quality Control (cont'd)

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0278 - GCSEMI_DRO (continued)** | | | | | | | | | |
| **LCS Dup (B3G0278-BSD1)** | | | | Prepared: 7/16/2013 Analyzed: 7/16/2013 | | | | | |
| DRO | 1.00364 | 0.20 | 1.00000 | | 100 | 50 - 121 | 5.39 | 20 | |
| *Surrogate: p-Terphenyl* | *0.07836* | | *8.00000E-2* | | *98.0* | *38 - 151* | | | |

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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0180 - MSVOAW_LL** | | | | | | | | | |
| **Blank (B3G0180-BLK1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 2-Chloroethyl vinyl ether | ND | 5.0 | | | NR | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Isopropyltoluene | ND | 5.0 | | | NR | | | | |
| Benzene | ND | 5.0 | | | NR | | | | |
| Bromobenzene | ND | 5.0 | | | NR | | | | |
| Bromochloromethane | ND | 5.0 | | | NR | | | | |
| Bromodichloromethane | ND | 5.0 | | | NR | | | | |
| Bromoform | ND | 5.0 | | | NR | | | | |
| Bromomethane | ND | 5.0 | | | NR | | | | |
| Carbon disulfide | ND | 5.0 | | | NR | | | | |
| Carbon tetrachloride | ND | 5.0 | | | NR | | | | |
| Chlorobenzene | ND | 5.0 | | | NR | | | | |
| Chloroethane | ND | 5.0 | | | NR | | | | |
| Chloroform | ND | 5.0 | | | NR | | | | |
| Chloromethane | ND | 5.0 | | | NR | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Di-isopropyl ether | ND | 5.0 | | | NR | | | | |
| Dibromochloromethane | ND | 5.0 | | | NR | | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0180 - MSVOAW_LL (continued)** | | | | | | | | | |
| **Blank (B3G0180-BLK1) - Continued** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| Dibromomethane | ND | 5.0 | | | NR | | | | |
| Dichlorodifluoromethane | ND | 5.0 | | | NR | | | | |
| Ethyl Acetate | ND | 50 | | | NR | | | | |
| Ethyl Ether | ND | 50 | | | NR | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | | | NR | | | | |
| Ethylbenzene | ND | 5.0 | | | NR | | | | |
| Freon-113 | ND | 5.0 | | | NR | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | NR | | | | |
| Isopropylbenzene | ND | 5.0 | | | NR | | | | |
| m,p-Xylene | ND | 10 | | | NR | | | | |
| Methylene chloride | ND | 5.0 | | | NR | | | | |
| MTBE | ND | 5.0 | | | NR | | | | |
| n-Butylbenzene | ND | 5.0 | | | NR | | | | |
| n-Propylbenzene | ND | 5.0 | | | NR | | | | |
| Naphthalene | ND | 5.0 | | | NR | | | | |
| o-Xylene | ND | 5.0 | | | NR | | | | |
| sec-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Styrene | ND | 5.0 | | | NR | | | | |
| tert-Amyl methyl ether | ND | 5.0 | | | NR | | | | |
| tert-Butanol | ND | 100 | | | NR | | | | |
| tert-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Tetrachloroethene | ND | 5.0 | | | NR | | | | |
| Toluene | ND | 5.0 | | | NR | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| trans-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Trichloroethene | ND | 5.0 | | | NR | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | NR | | | | |
| Vinyl acetate | ND | 50 | | | NR | | | | |
| Vinyl chloride | ND | 5.0 | | | NR | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *26.61* | | *25.0000* | | *106* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *25.46* | | *25.0000* | | *102* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *28.59* | | *25.0000* | | *114* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *23.39* | | *25.0000* | | *93.6* | *70 - 130* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0180 - MSVOAW_LL (continued)** | | | | | | | | | |
| **LCS (B3G0180-BS1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | 21.0400 | | 20.0000 | | 105 | 70 - 130 | | | |
| Benzene | 39.5500 | | 40.0000 | | 98.9 | 70 - 130 | | | |
| Chlorobenzene | 21.1000 | | 20.0000 | | 106 | 70 - 130 | | | |
| MTBE | 19.3300 | | 20.0000 | | 96.6 | 70 - 130 | | | |
| Toluene | 36.6800 | | 40.0000 | | 91.7 | 70 - 130 | | | |
| Trichloroethene | 21.6200 | | 20.0000 | | 108 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *26.61* | | *25.0000* | | *106* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *26.91* | | *25.0000* | | *108* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *27.92* | | *25.0000* | | *112* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *25.30* | | *25.0000* | | *101* | *70 - 130* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0180 - MSVOAW_LL (continued)** | | | | | | | | | |
| **LCS Dup (B3G0180-BSD1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | 22.5500 | | 20.0000 | | 113 | 70 - 130 | 6.93 | 20 | |
| Benzene | 42.1400 | | 40.0000 | | 105 | 70 - 130 | 6.34 | 20 | |
| Chlorobenzene | 22.3500 | | 20.0000 | | 112 | 70 - 130 | 5.75 | 20 | |
| MTBE | 20.3100 | | 20.0000 | | 102 | 70 - 130 | 4.94 | 20 | |
| Toluene | 35.1600 | | 40.0000 | | 87.9 | 70 - 130 | 4.23 | 20 | |
| Trichloroethene | 22.7700 | | 20.0000 | | 114 | 70 - 130 | 5.18 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *27.03* | | *25.0000* | | *108* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *27.66* | | *25.0000* | | *111* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *28.07* | | *25.0000* | | *112* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *23.45* | | *25.0000* | | *93.8* | *70 - 130* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0180 - MSVOAW_LL (continued)** | | | | | | | | | |
| **Duplicate (B3G0180-DUP1)** | | **Source: 1302006-21** | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| Benzene | ND | 5.0 | | ND | NR | | | 20 | |
| Chlorobenzene | ND | 5.0 | | ND | NR | | | 20 | |
| MTBE | ND | 5.0 | | ND | NR | | | 20 | |
| Toluene | ND | 5.0 | | ND | NR | | | 20 | |
| Trichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *26.66* | | *25.0000* | | *107* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *24.68* | | *25.0000* | | *98.7* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *27.89* | | *25.0000* | | *112* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *21.95* | | *25.0000* | | *87.8* | *70 - 130* | | | |

# Certificate of Analysis

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/L) | PQL (ug/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS** | | | | | | | | | |
| **Blank (B3G0209-BLK1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | NR | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Isopropyltoluene | ND | 5.0 | | | NR | | | | |
| Benzene | ND | 5.0 | | | NR | | | | |
| Bromobenzene | ND | 5.0 | | | NR | | | | |
| Bromochloromethane | ND | 5.0 | | | NR | | | | |
| Bromodichloromethane | ND | 5.0 | | | NR | | | | |
| Bromoform | ND | 5.0 | | | NR | | | | |
| Bromomethane | ND | 5.0 | | | NR | | | | |
| Carbon disulfide | ND | 5.0 | | | NR | | | | |
| Carbon tetrachloride | ND | 5.0 | | | NR | | | | |
| Chlorobenzene | ND | 5.0 | | | NR | | | | |
| Chloroethane | ND | 5.0 | | | NR | | | | |
| Chloroform | ND | 5.0 | | | NR | | | | |
| Chloromethane | ND | 5.0 | | | NR | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Di-isopropyl ether | ND | 5.0 | | | NR | | | | |
| Dibromochloromethane | ND | 5.0 | | | NR | | | | |
| Dibromomethane | ND | 5.0 | | | NR | | | | |

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| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Blank (B3G0209-BLK1) - Continued** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| Dichlorodifluoromethane | ND | 5.0 | | | NR | | | | |
| Ethyl Acetate | ND | 50 | | | NR | | | | |
| Ethyl Ether | ND | 50 | | | NR | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | | | NR | | | | |
| Ethylbenzene | ND | 5.0 | | | NR | | | | |
| Freon-113 | ND | 5.0 | | | NR | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | NR | | | | |
| Isopropylbenzene | ND | 5.0 | | | NR | | | | |
| m,p-Xylene | ND | 10 | | | NR | | | | |
| Methylene chloride | ND | 5.0 | | | NR | | | | |
| MTBE | ND | 5.0 | | | NR | | | | |
| n-Butylbenzene | ND | 5.0 | | | NR | | | | |
| n-Propylbenzene | ND | 5.0 | | | NR | | | | |
| Naphthalene | ND | 5.0 | | | NR | | | | |
| o-Xylene | ND | 5.0 | | | NR | | | | |
| sec-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Styrene | ND | 5.0 | | | NR | | | | |
| tert-Amyl methyl ether | ND | 5.0 | | | NR | | | | |
| tert-Butanol | ND | 100 | | | NR | | | | |
| tert-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Tetrachloroethene | ND | 5.0 | | | NR | | | | |
| Toluene | ND | 5.0 | | | NR | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| trans-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Trichloroethene | ND | 5.0 | | | NR | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | NR | | | | |
| Vinyl acetate | ND | 50 | | | NR | | | | |
| Vinyl chloride | ND | 5.0 | | | NR | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.27* | | *50.0000* | | *103* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.26* | | *50.0000* | | *92.5* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *50.79* | | *50.0000* | | *102* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *48.52* | | *50.0000* | | *97.0* | *70 - 130* | | | |

# Certificate of Analysis

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0209-BS1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 46.9800 | 5.0 | 50.0000 | | 94.0 | 70 - 130 | | | |
| Benzene | 99.5500 | 5.0 | 100.000 | | 99.6 | 70 - 130 | | | |
| Chlorobenzene | 51.2600 | 5.0 | 50.0000 | | 103 | 70 - 130 | | | |
| MTBE | 45.2100 | 5.0 | 50.0000 | | 90.4 | 70 - 130 | | | |
| Toluene | 98.4500 | 5.0 | 100.000 | | 98.4 | 70 - 130 | | | |
| Trichloroethene | 49.0900 | 5.0 | 50.0000 | | 98.2 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.48* | | *50.0000* | | *99.0* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.32* | | *50.0000* | | *94.6* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *51.36* | | *50.0000* | | *103* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *49.95* | | *50.0000* | | *99.9* | *70 - 130* | | | |

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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0209-BSD1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 47.5000 | 5.0 | 50.0000 | | 95.0 | 70 - 130 | 1.10 | 20 | |
| Benzene | 99.4600 | 5.0 | 100.000 | | 99.5 | 70 - 130 | 0.0905 | 20 | |
| Chlorobenzene | 51.9400 | 5.0 | 50.0000 | | 104 | 70 - 130 | 1.32 | 20 | |
| MTBE | 46.2300 | 5.0 | 50.0000 | | 92.5 | 70 - 130 | 2.23 | 20 | |
| Toluene | 98.4800 | 5.0 | 100.000 | | 98.5 | 70 - 130 | 0.0305 | 20 | |
| Trichloroethene | 49.4900 | 5.0 | 50.0000 | | 99.0 | 70 - 130 | 0.812 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.48* | | *50.0000* | | *101* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.62* | | *50.0000* | | *95.2* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *50.55* | | *50.0000* | | *101* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *49.39* | | *50.0000* | | *98.8* | *70 - 130* | | | |

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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0209-DUP1)** | | **Source: 1302006-11** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| Benzene | ND | 5.0 | | ND | NR | | | 20 | |
| Chlorobenzene | ND | 5.0 | | ND | NR | | | 20 | |
| MTBE | ND | 5.0 | | ND | NR | | | 20 | |
| Toluene | ND | 5.0 | | ND | NR | | | 20 | |
| Trichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *59.42* | | *50.0000* | | *119* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.91* | | *50.0000* | | *93.8* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *54.33* | | *50.0000* | | *109* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *48.99* | | *50.0000* | | *98.0* | *70 - 130* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0209-MS1)** | | **Source: 1302006-20** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 44.9300 | 5.0 | 50.0000 | ND | 89.9 | 70 - 130 | | | |
| Benzene | 97.8700 | 5.0 | 100.000 | ND | 97.9 | 70 - 130 | | | |
| Chlorobenzene | 49.0400 | 5.0 | 50.0000 | ND | 98.1 | 70 - 130 | | | |
| MTBE | 51.4800 | 5.0 | 50.0000 | ND | 103 | 70 - 130 | | | |
| Toluene | 97.2600 | 5.0 | 100.000 | ND | 97.3 | 70 - 130 | | | |
| Trichloroethene | 46.7200 | 5.0 | 50.0000 | ND | 93.4 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.07* | | *50.0000* | | *106* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.65* | | *50.0000* | | *97.3* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *51.49* | | *50.0000* | | *103* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *50.56* | | *50.0000* | | *101* | *70 - 130* | | | |

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| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0209-MSD1)** | | **Source: 1302006-20** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 38.7200 | 5.0 | 50.0000 | ND | 77.4 | 70 - 130 | 14.8 | 20 | |
| Benzene | 92.4700 | 5.0 | 100.000 | ND | 92.5 | 70 - 130 | 5.67 | 20 | |
| Chlorobenzene | 47.4500 | 5.0 | 50.0000 | ND | 94.9 | 70 - 130 | 3.30 | 20 | |
| MTBE | 49.2100 | 5.0 | 50.0000 | ND | 98.4 | 70 - 130 | 4.51 | 20 | |
| Toluene | 92.1700 | 5.0 | 100.000 | ND | 92.2 | 70 - 130 | 5.37 | 20 | |
| Trichloroethene | 44.4900 | 5.0 | 50.0000 | ND | 89.0 | 70 - 130 | 4.89 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.49* | | *50.0000* | | *107* | *70 - 130* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.45* | | *50.0000* | | *96.9* | *70 - 130* | | | |
| *Surrogate: Dibromofluoromethane* | *50.92* | | *50.0000* | | *102* | *70 - 130* | | | |
| *Surrogate: Toluene-d8* | *49.10* | | *50.0000* | | *98.2* | *70 - 130* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0198 - MSVOAS** | | | | | | | | | |
| **Blank (B3G0198-BLK1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | NR | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Isopropyltoluene | ND | 5.0 | | | NR | | | | |
| Benzene | ND | 5.0 | | | NR | | | | |
| Bromobenzene | ND | 5.0 | | | NR | | | | |
| Bromochloromethane | ND | 5.0 | | | NR | | | | |
| Bromodichloromethane | ND | 5.0 | | | NR | | | | |
| Bromoform | ND | 5.0 | | | NR | | | | |
| Bromomethane | ND | 5.0 | | | NR | | | | |
| Carbon disulfide | ND | 5.0 | | | NR | | | | |
| Carbon tetrachloride | ND | 5.0 | | | NR | | | | |
| Chlorobenzene | ND | 5.0 | | | NR | | | | |
| Chloroethane | ND | 5.0 | | | NR | | | | |
| Chloroform | ND | 5.0 | | | NR | | | | |
| Chloromethane | ND | 5.0 | | | NR | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Di-isopropyl ether | ND | 5.0 | | | NR | | | | |
| Dibromochloromethane | ND | 5.0 | | | NR | | | | |
| Dibromomethane | ND | 5.0 | | | NR | | | | |

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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0198 - MSVOAS (continued)** | | | | | | | | | |
| **Blank (B3G0198-BLK1) - Continued** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| Dichlorodifluoromethane | ND | 5.0 | | | NR | | | | |
| Ethyl Acetate | ND | 50 | | | NR | | | | |
| Ethyl Ether | ND | 50 | | | NR | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | | | NR | | | | |
| Ethylbenzene | ND | 5.0 | | | NR | | | | |
| Freon-113 | ND | 5.0 | | | NR | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | NR | | | | |
| Isopropylbenzene | ND | 5.0 | | | NR | | | | |
| m,p-Xylene | ND | 10 | | | NR | | | | |
| Methylene chloride | ND | 5.0 | | | NR | | | | |
| MTBE | ND | 5.0 | | | NR | | | | |
| n-Butylbenzene | ND | 5.0 | | | NR | | | | |
| n-Propylbenzene | ND | 5.0 | | | NR | | | | |
| Naphthalene | ND | 5.0 | | | NR | | | | |
| o-Xylene | ND | 5.0 | | | NR | | | | |
| sec-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Styrene | ND | 5.0 | | | NR | | | | |
| tert-Amyl methyl ether | ND | 5.0 | | | NR | | | | |
| tert-Butanol | ND | 100 | | | NR | | | | |
| tert-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Tetrachloroethene | ND | 5.0 | | | NR | | | | |
| Toluene | ND | 5.0 | | | NR | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| trans-1,3-Dichloropropene | ND | 50 | | | NR | | | | |
| Trichloroethene | ND | 5.0 | | | NR | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | NR | | | | |
| Vinyl acetate | ND | 50 | | | NR | | | | |
| Vinyl chloride | ND | 5.0 | | | NR | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.77* | | *50.0000* | | *104* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.14* | | *50.0000* | | *94.3* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *50.34* | | *50.0000* | | *101* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.06* | | *50.0000* | | *98.1* | *70 - 121* | | | |

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|---|---|---|---|
| Stantec | | Project Number : | 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0198 - MSVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0198-BS1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | 42.2000 | 5.0 | 50.0000 | | 84.4 | 70 - 130 | | | |
| Benzene | 97.1500 | 5.0 | 100.000 | | 97.2 | 70 - 130 | | | |
| Chlorobenzene | 49.9600 | 5.0 | 50.0000 | | 99.9 | 70 - 130 | | | |
| MTBE | 49.0900 | 5.0 | 50.0000 | | 98.2 | 70 - 130 | | | |
| Toluene | 95.6700 | 5.0 | 100.000 | | 95.7 | 70 - 130 | | | |
| Trichloroethene | 46.4400 | 5.0 | 50.0000 | | 92.9 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.76* | | *50.0000* | | *104* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.82* | | *50.0000* | | *97.6* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *50.22* | | *50.0000* | | *100* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.32* | | *50.0000* | | *98.6* | *70 - 121* | | | |

# Certificate of Analysis

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|---|---|
| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0198 - MSVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0198-BSD1)** | | | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | 39.4200 | 5.0 | 50.0000 | | 78.8 | 70 - 130 | 6.81 | 20 | |
| Benzene | 99.3400 | 5.0 | 100.000 | | 99.3 | 70 - 130 | 2.23 | 20 | |
| Chlorobenzene | 50.9600 | 5.0 | 50.0000 | | 102 | 70 - 130 | 1.98 | 20 | |
| MTBE | 48.9800 | 5.0 | 50.0000 | | 98.0 | 70 - 130 | 0.224 | 20 | |
| Toluene | 98.2000 | 5.0 | 100.000 | | 98.2 | 70 - 130 | 2.61 | 20 | |
| Trichloroethene | 47.4200 | 5.0 | 50.0000 | | 94.8 | 70 - 130 | 2.09 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.55* | | *50.0000* | | *101* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.84* | | *50.0000* | | *97.7* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *49.62* | | *50.0000* | | *99.2* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.64* | | *50.0000* | | *99.3* | *70 - 121* | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0198 - MSVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0198-DUP1)** | | **Source: 1302006-01** | | Prepared: 7/11/2013 Analyzed: 7/11/2013 | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| Benzene | ND | 5.0 | | 2.23485 | NR | | | 20 | |
| Chlorobenzene | ND | 5.0 | | ND | NR | | | 20 | |
| MTBE | ND | 5.0 | | ND | NR | | | 20 | |
| Toluene | ND | 5.0 | | 1.56566 | NR | | | 20 | |
| Trichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *58.79* | | *50.0000* | | *118* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.08* | | *50.0000* | | *96.2* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *52.94* | | *50.0000* | | *106* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.98* | | *50.0000* | | *100* | *70 - 121* | | | |

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| Stantec | Project Number : 07A3322-05-Ojai, 185832005, 200.0004 |
| 290 Conejo Ridge Avenue, Suite 200 | Report To : Kristy Edblad |
| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS** | | | | | | | | | |
| **Blank (B3G0209-BLK1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | NR | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | NR | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | | | NR | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | NR | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | NR | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | NR | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | NR | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | NR | | | | |
| 4-Isopropyltoluene | ND | 5.0 | | | NR | | | | |
| Benzene | ND | 5.0 | | | NR | | | | |
| Bromobenzene | ND | 5.0 | | | NR | | | | |
| Bromochloromethane | ND | 5.0 | | | NR | | | | |
| Bromodichloromethane | ND | 5.0 | | | NR | | | | |
| Bromoform | ND | 5.0 | | | NR | | | | |
| Bromomethane | ND | 5.0 | | | NR | | | | |
| Carbon disulfide | ND | 5.0 | | | NR | | | | |
| Carbon tetrachloride | ND | 5.0 | | | NR | | | | |
| Chlorobenzene | ND | 5.0 | | | NR | | | | |
| Chloroethane | ND | 5.0 | | | NR | | | | |
| Chloroform | ND | 5.0 | | | NR | | | | |
| Chloromethane | ND | 5.0 | | | NR | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| cis-1,3-Dichloropropene | ND | 5.0 | | | NR | | | | |
| Di-isopropyl ether | ND | 5.0 | | | NR | | | | |
| Dibromochloromethane | ND | 5.0 | | | NR | | | | |
| Dibromomethane | ND | 5.0 | | | NR | | | | |

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Blank (B3G0209-BLK1) - Continued** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| Dichlorodifluoromethane | ND | 5.0 | | | NR | | | | |
| Ethyl Acetate | ND | 50 | | | NR | | | | |
| Ethyl Ether | ND | 50 | | | NR | | | | |
| Ethyl tert-butyl ether | ND | 5.0 | | | NR | | | | |
| Ethylbenzene | ND | 5.0 | | | NR | | | | |
| Freon-113 | ND | 5.0 | | | NR | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | NR | | | | |
| Isopropylbenzene | ND | 5.0 | | | NR | | | | |
| m,p-Xylene | ND | 10 | | | NR | | | | |
| Methylene chloride | ND | 5.0 | | | NR | | | | |
| MTBE | ND | 5.0 | | | NR | | | | |
| n-Butylbenzene | ND | 5.0 | | | NR | | | | |
| n-Propylbenzene | ND | 5.0 | | | NR | | | | |
| Naphthalene | ND | 5.0 | | | NR | | | | |
| o-Xylene | ND | 5.0 | | | NR | | | | |
| sec-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Styrene | ND | 5.0 | | | NR | | | | |
| tert-Amyl methyl ether | ND | 5.0 | | | NR | | | | |
| tert-Butanol | ND | 100 | | | NR | | | | |
| tert-Butylbenzene | ND | 5.0 | | | NR | | | | |
| Tetrachloroethene | ND | 5.0 | | | NR | | | | |
| Toluene | ND | 5.0 | | | NR | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | NR | | | | |
| trans-1,3-Dichloropropene | ND | 50 | | | NR | | | | |
| Trichloroethene | ND | 5.0 | | | NR | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | NR | | | | |
| Vinyl acetate | ND | 50 | | | NR | | | | |
| Vinyl chloride | ND | 5.0 | | | NR | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *51.27* | | *50.0000* | | *103* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.26* | | *50.0000* | | *92.5* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *50.79* | | *50.0000* | | *102* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *48.52* | | *50.0000* | | *97.0* | *70 - 121* | | | |

# Certificate of Analysis

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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **LCS (B3G0209-BS1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 46.9800 | 5.0 | 50.0000 | | 94.0 | 70 - 130 | | | |
| Benzene | 99.5500 | 5.0 | 100.000 | | 99.6 | 70 - 130 | | | |
| Chlorobenzene | 51.2600 | 5.0 | 50.0000 | | 103 | 70 - 130 | | | |
| MTBE | 45.2100 | 5.0 | 50.0000 | | 90.4 | 70 - 130 | | | |
| Toluene | 98.4500 | 5.0 | 100.000 | | 98.4 | 70 - 130 | | | |
| Trichloroethene | 49.0900 | 5.0 | 50.0000 | | 98.2 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *49.48* | | *50.0000* | | *99.0* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.32* | | *50.0000* | | *94.6* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *51.36* | | *50.0000* | | *103* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.95* | | *50.0000* | | *99.9* | *70 - 121* | | | |

# Certificate of Analysis

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **LCS Dup (B3G0209-BSD1)** | | | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 47.5000 | 5.0 | 50.0000 | | 95.0 | 70 - 130 | 1.10 | 20 | |
| Benzene | 99.4600 | 5.0 | 100.000 | | 99.5 | 70 - 130 | 0.0905 | 20 | |
| Chlorobenzene | 51.9400 | 5.0 | 50.0000 | | 104 | 70 - 130 | 1.32 | 20 | |
| MTBE | 46.2300 | 5.0 | 50.0000 | | 92.5 | 70 - 130 | 2.23 | 20 | |
| Toluene | 98.4800 | 5.0 | 100.000 | | 98.5 | 70 - 130 | 0.0305 | 20 | |
| Trichloroethene | 49.4900 | 5.0 | 50.0000 | | 99.0 | 70 - 130 | 0.812 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.48* | | *50.0000* | | *101* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *47.62* | | *50.0000* | | *95.2* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *50.55* | | *50.0000* | | *101* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.39* | | *50.0000* | | *98.8* | *70 - 121* | | | |

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| Thousand Oaks , CA 91361 | Reported : 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Duplicate (B3G0209-DUP1)** | | **Source: 1302006-11** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| Benzene | ND | 5.0 | | ND | NR | | | 20 | |
| Chlorobenzene | ND | 5.0 | | ND | NR | | | 20 | |
| MTBE | ND | 5.0 | | ND | NR | | | 20 | |
| Toluene | ND | 5.0 | | ND | NR | | | 20 | |
| Trichloroethene | ND | 5.0 | | ND | NR | | | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *59.42* | | *50.0000* | | *119* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *46.91* | | *50.0000* | | *93.8* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *54.33* | | *50.0000* | | *109* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *48.99* | | *50.0000* | | *98.0* | *70 - 121* | | | |

# Certificate of Analysis

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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Matrix Spike (B3G0209-MS1)** | | **Source: 1302006-20** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 44.9300 | 5.0 | 50.0000 | ND | 89.9 | 70 - 130 | | | |
| Benzene | 97.8700 | 5.0 | 100.000 | ND | 97.9 | 70 - 130 | | | |
| Chlorobenzene | 49.0400 | 5.0 | 50.0000 | ND | 98.1 | 70 - 130 | | | |
| MTBE | 51.4800 | 5.0 | 50.0000 | ND | 103 | 70 - 130 | | | |
| Toluene | 97.2600 | 5.0 | 100.000 | ND | 97.3 | 70 - 130 | | | |
| Trichloroethene | 46.7200 | 5.0 | 50.0000 | ND | 93.4 | 70 - 130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.07* | | *50.0000* | | *106* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.65* | | *50.0000* | | *97.3* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *51.49* | | *50.0000* | | *103* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *50.56* | | *50.0000* | | *101* | *70 - 121* | | | |

# Certificate of Analysis

| | | | |
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| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Volatile Organic Compounds by EPA 5035/EPA 8260 - Quality Control (cont'd)

| Analyte | Result (ug/kg) | PQL (ug/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B3G0209 - MSVOAS (continued)** | | | | | | | | | |
| **Matrix Spike Dup (B3G0209-MSD1)** | | **Source: 1302006-20** | | Prepared: 7/12/2013 Analyzed: 7/12/2013 | | | | | |
| 1,1-Dichloroethene | 38.7200 | 5.0 | 50.0000 | ND | 77.4 | 70 - 130 | 14.8 | 20 | |
| Benzene | 92.4700 | 5.0 | 100.000 | ND | 92.5 | 70 - 130 | 5.67 | 20 | |
| Chlorobenzene | 47.4500 | 5.0 | 50.0000 | ND | 94.9 | 70 - 130 | 3.30 | 20 | |
| MTBE | 49.2100 | 5.0 | 50.0000 | ND | 98.4 | 70 - 130 | 4.51 | 20 | |
| Toluene | 92.1700 | 5.0 | 100.000 | ND | 92.2 | 70 - 130 | 5.37 | 20 | |
| Trichloroethene | 44.4900 | 5.0 | 50.0000 | ND | 89.0 | 70 - 130 | 4.89 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *53.49* | | *50.0000* | | *107* | *56 - 159* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *48.45* | | *50.0000* | | *96.9* | *69 - 131* | | | |
| *Surrogate: Dibromofluoromethane* | *50.92* | | *50.0000* | | *102* | *60 - 127* | | | |
| *Surrogate: Toluene-d8* | *49.10* | | *50.0000* | | *98.2* | *70 - 121* | | | |

# Certificate of Analysis

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|---|---|---|---|
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| 290 Conejo Ridge Avenue, Suite 200 | | Report To : | Kristy Edblad |
| Thousand Oaks , CA 91361 | | Reported : | 07/25/2013 |

## Notes and Definitions

| | |
|---|---|
| R | RPD value outside acceptance criteria. Calculation is based on raw values. |
| M1 | Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| ND | Analyte not detected at or above reporting limit |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| CA1 | CA-NELAP (CDPH) |
| CA2 | CA-ELAP (CDPH) |
| OR1 | OR-NELAP (OSPHL) |
| TX1 | TX-NELAP (TCEQ) |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

# STANTEC CHAIN-OF-CUSTODY RECORD

Stantec

COC # _____

Page 1 of 2

## FIELD OFFICE INFORMATION

OFFICE: Stantec Thousand Oaks

*Send Report to:*
Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361

Telephone: 805-230-1266

Fax/E-Mail: kristy.edblad@stantec.com

## PROJECT INFORMATION

Project No.: 185832005 Task: 200.0004

Project Name: 07A3322-05-Ojai

Project Manager: Kristy Edblad

Laboratory: Advanced Technology Laboratories
3275 Walnut Venue
Signal Hill, CA 90755

## ANALYSES / METHOD REQUEST

## REMARKS/ PRECAUTIONS

*TAT*
- ☐ Normal
- ☑ Rush
- ☐ Other: 5 DAY

*REPORTING REQUIREMENTS*
- ☐ MB & SURGS
- ☐ Dup/MS/MSD
- ☐ Raw Data
- ☐ CLP Rpt
- ☐ EDD
- ☐ Other

| Sample No. / Identification | SAMPLE Date | SAMPLE Time | Matrix * | Container & Size ** | Preservative | Number of Containers | Total TPH (EPA 8015B) | VOCs (EPA 8260B) | ~~Title 22 Metals (EPA 6010)~~ | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1214-101-1.0 | 7/9/13 | 1320 | SOIL | 6" acetate sleeve, VOA | NaHSO4, MeOH | 4 | X | X | | | | | | | | 1302006-1 |
| 1214-101-2.0 | ↓ | 1325 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | -2 |
| 1214-101-3.0 | | 1330 | | | | | | | | | | | | | | -3 |
| 1214-101-5.0 | | 1335 | | | | | | | | | | | | | | -4 |
| 1214-102-1.0 | | 0915 | | | | | | | | | | | | | | -5 |
| 1214-102-2.0 | | 0920 | | | | | | | | | | | | | | -6 |
| 1214-102-3.0 | | 0930 | | | | | | | | | | | | | | -7 |
| 1214-102-5.0 | | 0940 | | | | | | | | | | | | | | -8 |
| 1214-103-1.0 | | 1220 | | | | | | | | | | | | | | -9 |
| 1214-103-2.0 | | 1225 | | | | | | | | | | | | | | -10 |
| 1214-103-3.0 | ↓ | 1230 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | -11 |

*Possible Hazard Identification*
☐ Non-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

*Sample Disposal*
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

*Sampled by:* Anuja Sawant *Shipment Method:* Lab Pickup *Airbill Number:*

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| 1(a) *Relinquished by:* | | Anuja Sawant | Stantec Consulting | 7/10/13 | |
| 1(b) *Received by:* | | Edward Rodriguez | Advanced Tech Labs | 7-10-13 | 10:50 |
| 2(a) *Relinquished by:* | | Edward Rodriguez | Advanced Tech Labs | 7-10-13 | 14:50 |
| 2(b) *Received by:* | | Fernando Ortiz | ATL | 7/10/13 | 14:50 |
| 3(a) *Relinquished by:* | | | | | |
| 3(b) *Received by:* | | | | | |

*Matrix Key: AQ = Aqueous AR = Air SO = Soil WA = Waste OT = Other **Container: A = Amber C = Clear Glass V = VOA S = Soil Jar O = Orbo T = Tedlar B = Brass P = Plastic OT = Other

# STANTEC CHAIN-OF-CUSTODY RECORD

Stantec

COC # _____ Page 2 of 2

**FIELD OFFICE INFORMATION**

OFFICE: Stantec Thousand Oaks

*Send Report to:*
Stantec
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361

Telephone: 805-230-1266

Fax/E-Mail: kristy.edblad@stantec.com

**PROJECT INFORMATION**

Project No.: 185832005 Task: 200.0004

Project Name: 07A3322-05-Ojai

Project Manager: Kristy Edblad

Laboratory: Advanced Technology Laboratories
3275 Walnut Venue
Signal Hill, CA 90755

**ANALYSES / METHOD REQUEST**

**REMARKS/ PRECAUTIONS**

TAT: ☐ Normal ☐ Rush ☐ Other: 5DAY

REPORTING REQUIREMENTS: ☐ MB & SURGS ☐ Dup/MS/MSD ☐ Raw Data ☐ CLP Rpt ☐ EDD ☐ Other

| Sample No. / Identification | SAMPLE Date | Time | Matrix * | Container & Size ** | Preservative | Number of Containers | Total TPH (EPA 8015B) | VOCs (EPA 8260B) | Title 22 Metals (EPA 6010) | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1214-103-5.0 | 7/9/13 | 1235 | SOIL | 6" acetate; VOA | NaHSO4; MeOH | 4 | X | X | | | | | | | | 1302WC - 12 |
| 1214-104-1.0 | | 1100 | | | | | | | X | | | | | | | - 13 |
| 1214-104-2.0 | | 1105 | | | | | | | | | | | | | | - 14 |
| 1214-104-3.0 | | 1110 | | | | | | | | | | | | | | - 15 |
| 1214-104-5.0 | | 1115 | | | | | | | | | | | | | | - 16 |
| 1214-105-9.0 | | 1440 | | | | | | | X | | | | | | | ON HOLD - 17 |
| 1214-105-10.0 | | 1445 | | | | | | | | | | | | | | ON HOLD - 18 |
| 1214-105-11.0 | | 1450 | | | | | | | | | | | | | | ON HOLD - 19 |
| 1214-105-12.5 | | 1500 | | 6" acetate | | 1 | | | | | | | | | | ON HOLD - 20 |
| 1214-EB | | 1020 | Water | A, P, V | HNO3; HCl | 5 | | | X | | | | | | | - 21 |
| Trip Blank | | – | Water | V | – | 2 | | | | | | | | | | - 22 |

*Possible Hazard Identification*
☐ Non-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

*Sample Disposal*
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

*Sampled by:* Anuya Sawant *Shipment Method:* Lab Pickup *Airbill Number:*

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| 1(a) *Relinquished by:* | | Anuya Sawant | Stantec Consulting | 7/10/13 | |
| 1(b) *Received by:* | | Edward Rodriguez | Advanced Tech Labs | 7-10-13 | 10:50 |
| 2(a) *Relinquished by:* | | Edward Rodriguez | Advanced Tech Labs | 7-10-13 | 14:50 |
| 2(b) *Received by:* | | FERNANDO DIAZ | ATL | 7/10/13 | 1410 |
| 3(a) *Relinquished by:* | | | | | |
| 3(b) *Received by:* | | | | | |

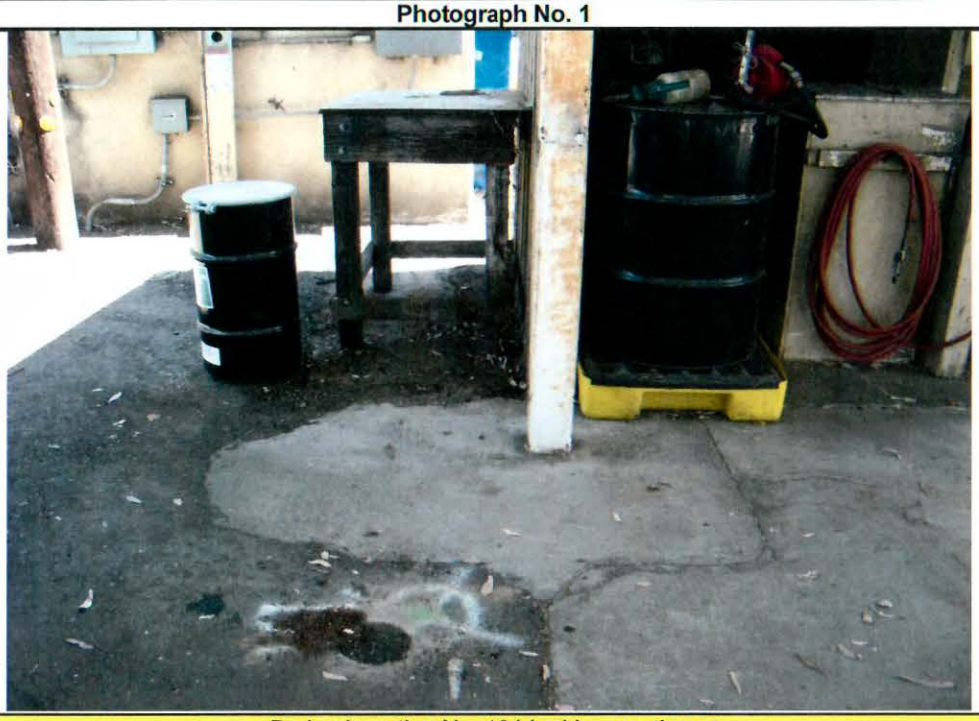
*Matrix Key: AQ = Aqueous AR = Air SO = Soil WA = Waste OT = Other **Container: A = Amber C = Clear Glass V = VOA S = Soil Jar O = Orbo T = Tedlar B = Brass P = Plastic OT = Other

# APPENDIX D
# PHOTOLOG

## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 1**



Boring Location No. 101 looking southeast

**Photograph No. 2**

Boring Location No. 101 and the trench looking southeast

## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 3**

Boring Location No. 102 looking northeast

**Photograph No. 4**

Boring Location No. 103 looking southeast

## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 5**

Boring Location No. 104 looking southwest

**Photograph No. 6**

Lift hoist looking east

## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 7**

General photo of the trench and the hydraulic motor under the shed looking southeast

**Photograph No. 8**

Boring Location No. 105 looking southeast

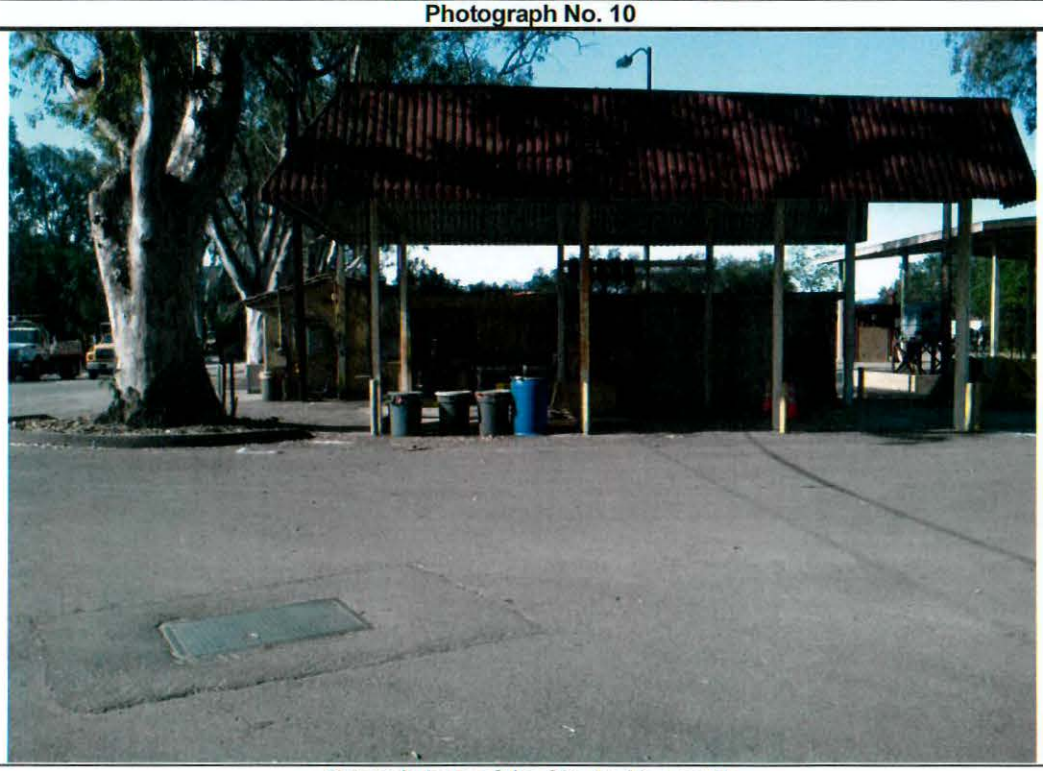
## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 9**

General photo of the Site looking southeast

**Photograph No. 10**



General photo of the Site looking south

## STANTEC CONSULTING SERVICES INC.
## PHOTOGRAPHIC RECORD

| | | | |
|---|---|---|---|
| **Client:** | Caltrans | **EA Number** | 3P7001 |
| **Subject Name:** | 1116 Maricopa Highway, Ojai, CA | **Location:** | PM 11.3 |
| **Photographer:** | A. Sawant/E. Emerson | **Date:** | 7/3/2013 & 7/9/2013 |

**Photograph No. 11**

General photo of the Site looking east

**Photograph No. 12**

General photo of the Site looking east-northeast