



**PRELIMINARY SITE INVESTIGATION  
AT PRIVATE PARCELS  
CENTENNIAL CORRIDOR PROJECT  
BAKERSFIELD, CALIFORNIA**

06-48460  
KER-58 (PM T31.7/R55.6)  
KER-99 (PM 21.2/26.2)

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February 11, 2015

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**SUBJECT: PRELIMINARY SITE INVESTIGATION - ACQUISITION PROPERTY SOIL  
CENTENNIAL CORRIDOR PROJECT  
BAKERSFIELD, CALIFORNIA**

Dear Mr. Santos:

Group Delta Consultants, Inc. is pleased to submit this *Preliminary Site Investigation – Acquisition Property Soil* report for the Centennial Corridor Project in Bakersfield, California. This investigation serves as a preliminary characterization of the soil at six acquisition properties along the project alignment that may be impacted by historical site use. One additional acquisition property was not investigated because the owner did not grant site access.

This report is intended for the sole use of Parsons Transportation Group, Inc., the City of Bakersfield, and Caltrans. Our services have been performed under mutually agreed-upon terms and conditions. If other parties wish to rely on this report, please have them contact us so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use and reliance of this report and the information it contains.

We appreciate your selection of Group Delta Consultants, Inc. for this project and look forward to assisting you further on this and other projects. If you have any questions, please do not hesitate to contact us.

Sincerely,  
**GROUP DELTA CONSULTANTS, INC.**

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**Preliminary Site Investigation - Acquisition Property Soil  
Centennial Corridor Project  
Bakersfield, California**

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### List of Acronyms

ASTM	American Society for Testing and Materials
bgs	below ground surface
Caltrans	California Department of Transportation
CHHSL	California Human Health Screening Levels
CDOGGR	California Division of Oil, Gas, and Geothermal Resources
CDPH	California Department of Public Health
DEH	Division of Environmental Health
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
EIR/EIS	Environmental Impact Report/Environmental Impact Statement
ft	feet
ISA	Initial Site Assessment
kg	kilogram
mg	milligram
OC	overcrossing
OH	overhead
PCB	polychlorinated biphenyl
PID	photoionization detector
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PSI	Preliminary Site Investigation
QA/QC	Quality Assurance/Quality Control
RSL	Regional Screening Level
SF	square feet
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons in the diesel range
TPH-g	total petroleum hydrocarbons in the gasoline range
TTLC	Total Threshold Limit Concentration
UC	undercrossing
UST	underground storage tank
VOC	volatile organic compound



## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Centennial Corridor Project (Project) proposes to construct a new alignment for State Route 58 (SR-58) to provide a continuous route along SR-58 from Cottonwood Road (post mile R55.6) on existing SR-58 (East), east of State Route 99 (SR-99) to Interstate 5 (I-5) (post mile T31.7). Improvements to SR-99 from Wilson Road (post mile 21.2) to Gilmore Avenue (post mile 26.2) would also be required for the connection of SR-58.

### **1.2 Project Background**

An Initial Site Assessment (ISA) Report was prepared by ERM West Inc. in November 2012 (ERM, 2012). The report focused on Segment 1 from SR-99 to I-5 and evaluated three proposed project alignment alternatives (Alternatives A, B, and C) for SR-58 in general accordance with American Society for Testing and Materials (ASTM) Standard E 1527-00, standard practice for Phase I Environmental Site Assessments. The ISA recommendations were communicated with the Hazardous Waste Branch of California Department of Transportation (Caltrans) District 06, and tentatively approved.

A Focused ISA was prepared by Parsons recommending further investigations along the Alternative B alignment, which was identified as the preferred alignment alternative for the Project (Parsons, 2013). The Focused ISA was approved by the Hazardous Waste Branch of Caltrans District 06 in October, 2013. A table summarizing the findings of the Focused ISA is provided as Appendix A.

A Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) was circulated in May 2014 for a period of 60 days. Currently the Final EIR/EIS is being prepared. Preliminary Site Investigations (PSIs) were performed per the recommended sampling and testing outlined in the approved Focused ISA. A PSI addressing asbestos-containing materials and lead-based paint was submitted under separate cover in December 2014 and approved in January 2015. The results of the PSIs will be incorporated into the Final EIR/EIS.

### **1.3 Purpose and Scope of Work**

Based on the evaluation of parcels affected by the Project, seven acquisition parcels along the project alignment were recommended for sampling and testing of soil to identify potential contamination at the sites. The Focused ISA provided the rationale for sampling and recommendations for sample collection. The purpose of this investigation is to obtain soil contamination data which will be used to address project health and safety, develop a soil management plan to be used during construction, and assist with project budgeting and advertising for handling and disposal purposes.

Our scope of work included the following:

- Prepare a Work Plan describing the scope of work, field investigation sampling and collection methods, and the proposed laboratory testing program;
- Prepare a Site-Specific Health and Safety Plan outlining the practices required to implement the Work Plan in a safe manner;
- Perform hand auger and/or direct push borings at the accessible acquisition properties for collection and analysis of soil;
- Prepare this summary report describing the investigation procedures and presenting the analytical results and findings.

Our work was performed in accordance with Group Delta’s Work Plan dated October 30, 2014 approved by Caltrans on November 6, 2014 (Group Delta, 2014).

#### 1.4 Site Description

There are seven partial or full acquisition properties identified by the Focused ISA where soil sampling and testing was recommended to identify potential soil contamination (Figure 1). Site access was not granted at one of the seven parcels. The properties of potential concern are listed in Table A:

**Table A – Acquisition Properties of Potential Concern**

Site No.	APN	Address	Property Type and Use	Type of Take
1	332-280-28	Langley Road	Vacant – Part of refinery	Partial (22,446 SF)
2	332-256-05	Commerce Drive	Industrial – Tank farm	Partial (11,985 SF)
3	020-600-02	4600 California Avenue	Commercial – Parking lot with oil well	Full
4	332-332-20	4800 Easton Drive	Commercial – Parking lot with oil well	Full
5*	149-221-15	201 South Garnsey Avenue	Residential – Former construction company	Full
6	149-180-03	3333 Stockdale Highway	Public Land – Water Utility Facility	Full
7	147-112-07	720 Wible Road	Commercial – Gasoline Station	Full

\*Note – Site access denied by property owner

Summaries of the seven acquisition properties selected for soil investigation are provided in the following subsections. On site reconnaissance by Group Delta staff was conducted on November 20 and 21, 2014, and December 17, 2014.

#### **1.4.1 Site 1 – Langley Road**

Site 1 involves the partial acquisition of vacant undeveloped land located on refinery property owned by Alon Bakersfield, Inc. The acquisition property is located approximately 75 feet (ft) north of an oil production well (“Red Ribbon 1” 2). The well was reportedly plugged in 2009, likely in support of construction of the Westside Parkway. Oil cake sand was also identified on the site during the site reconnaissance performed for the ISA.

During the site reconnaissance, no evidence of oil cake sand or the plugged oil well were observed.

#### **1.4.2 Site 2 – Commerce Drive**

Site 2 involves the partial acquisition of a tank farm operated by E & B Natural Resources. The tank farm includes three large aboveground storage tanks and ancillary equipment such as oil water separators and equipment for separating and processing gas. The tank farm receives oil from production wells throughout the area via underground pipelines. The partial acquisition area is occupied primarily by the ancillary equipment discussed above and subsurface or exposed piping. Site 2 is not paved.

During the site reconnaissance, an overhead transformer was observed and identified as an area of potential concern. However, no visible signs of surficial soil contamination, such as staining, were observed.

#### **1.4.3 Site 3 – 4600 California Avenue**

Site 3 consists of a commercial building with an active oil production well in the rear parking lot. The well is operated by E & B Natural Resources and is designated as “Kernland” 5.

During the site reconnaissance, surficial oil contamination was observed on the ground and on the equipment within the oil well’s perimeter fence.

#### **1.4.4 Site 4 – 4800 Easton Drive**

Site 4 consists of commercial office buildings with an active oil production well in the parking lot. The well is operated by E & B Natural Resources and is designated as “Kernland” 8.

During the site reconnaissance, surficial oil contamination was observed on the ground and on the equipment within the oil well’s perimeter fence.

#### **1.4.5 Site 5 – 201 South Garnsey Avenue**

Site 5 is a residential property formerly owned by Womack Construction Inc. A 550-gallon gasoline underground storage tank (UST) was operated at the site. The UST was abandoned in place due to access restrictions under the oversight of the Kern County Division of Environment Health (DEH). No releases of product to the subsurface were reported.

The current owner of this property did not grant site access for soil sampling in the vicinity of the abandoned UST; any residual contamination will be dealt with during construction.

#### **1.4.6 Site 6 – 3333 Stockdale Highway**

Site 6 is owned by California Water Service Company, a public water utility company. California Water Service Company operates a water production well at the site. A 285-gallon diesel UST, installed in 1967, once provided fuel for the operation. The UST was removed in 1989 and the site received case closure from the Kern County DEH on October 23, 1989. Total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) were not detected in confirmation samples collected from 2 ft and 6 ft beneath the footprint of the tank during closure activities.

The on-site reconnaissance did not provide any additional information.

#### **1.4.7 Site 7 – 720 Wible Road**

Site 7 consists of a Larsons Food Store, which includes a gasoline service station. The site operated two 10,000-gallon USTs and one 6,000-gallon UST, all of which contained gasoline. The tanks were reportedly replaced in 2012 with a single multi-chamber 25,000-gallon UST placed in the same general location. Complete files were not provided by DEH for this site.

The on-site reconnaissance did not provide any additional information.

### **1.5 Geology**

The Project is located within the central portion of the Great Valley geomorphic province located in Central California within the large, generally flat Central Valley. More specifically, the Project location lies within the San Joaquin Valley. The Tehachapi Mountains are situated south of the Project.

The majority of the Project is underlain by recent alluvial fan deposits and Cenozoic-age stratified deposits from the Kern River. Soil encountered at the various sites generally consisted of sands and silty sands with varying amounts of fine sediment.

## **1.6 Hydrology**

The Project is located within the Kern County Hydrologic Sub-Basin of the San Joaquin Valley Basin and within the Tulare Lake Hydrologic Region. The groundwater uses of this area are designated for domestic/municipal and agriculture use. According to the State Water Resources Control Board's Geotracker database, the groundwater table has historically been between 50-60 ft below ground surface.

## 2.0 FIELD INVESTIGATION

### 2.1 Summary

The field investigation consisted of the collection and analysis of soil samples from six of the seven acquisition properties of concern. Site Location Maps showing the locations of the sites and Boring Location Maps showing completed or proposed boring and sampling locations at the seven acquisition properties are included as Figures 2a through 8b. Boring logs are provided in Appendix B. Table 1 provides a summary of each boring advanced during the investigation including boring identifications, sampling depth intervals, and laboratory analyses.

### 2.2 Soil Sampling Procedures

Prior to drilling, a representative of Group Delta marked the proposed soil boring locations with white paint and/or stakes and contacted Underground Services Alert to identify any subsurface utilities underlying the proposed drilling locations. In addition, Spectrum Geophysics, Inc. of Anaheim, California, screened the boring locations for subsurface utility conflicts using geophysical surveying equipment. Multiple borings were relocated in order to avoid utility conflicts.

A total of 28 borings were advanced using either a hand auger or a truck mounted direct push rig to depths ranging from approximately 1.5 to 15 ft below ground surface (bgs) for the purpose of collecting and testing soil. Each direct push boring location was hand augered to 5 feet ft bgs to further clear for any potential subsurface utility conflicts prior to drilling to deeper sampling intervals.

Following hand augering, two-inch diameter hollow steel rods lined with plastic acetate sleeves were driven into the soil with a percussion hammer. As the rod was advanced into the ground, soil fills the acetate sleeve for sample collection. The acetate sleeve was removed from the rod and a 6-inch section was cut at selected intervals and capped. Prior to capping, some soil was removed from the acetate sleeves and preserved in accordance with Environmental Protection Agency (EPA) Method 5035 for VOC analysis. All soil samples were labeled with 'Group Delta', the boring number, sampling depth, type of preservative, and time and date of sample collection and placed in an ice chilled cooler. The soil samples were transported under chain-of-custody protocol to BC Laboratories, a chemical testing laboratory certified by the California Department of Public Health (CDPH) Environmental Laboratory Accreditation Program (ELAP). The chain-of-custody forms are provided in Appendix C.

Vapor analysis was conducted on each soil sample using a Photo Ionization Detector (PID) by means of a head space test. A small portion of each sample was transferred from the tip of the acetate sleeve into a Ziploc bag immediately following sample collection. The Ziploc bag was

sealed, labeled, and left in the sun until the boring was completed. The PID was then inserted into the Ziploc to take VOC readings. The results are presented on the boring logs provided in Appendix B.

Groundwater was not encountered in any of the borings.

### **2.3 Quality Assurance/Quality Control Sample Collection**

To assure the quality of the performed analyses and allow for quality control of the samples, Quality Assurance/Quality Control (QA/QC) samples were collected.

Field duplicate samples were collected to measure the precision of the field sample collection procedures and laboratory analytical procedures. Eight field duplicate soil samples were collected during the investigation. This meets the requirement for one field duplicate soil sample per ten primary field soil samples.

Rinseate equipment blanks were collected and analyzed as a measure of accuracy of the field techniques and to determine if any contamination was introduced through sample collection or decontamination procedures. Rinseate equipment blank samples were collected by pouring deionized water over or through the decontaminated sampling equipment prior to collection of environmental samples. Rinseate equipment blanks were collected at a rate of one per day.

Trip blanks were prepared to evaluate if the shipping and handling procedures introduced contaminants into the samples, and if cross contamination in the form of VOC migration occurred between the collected samples. A minimum of one trip blank was submitted to the laboratory for analysis with every shipment of samples for VOC analysis. Trip blanks are 40-milliliter vials that have been filled with laboratory grade water that has been purged so it is VOC free and shipped with the empty sampling containers to the site or sampling area prior to sampling. The sealed trip blanks are not opened in the field and are shipped to the laboratory in the same cooler with the samples collected for volatile analyses.

### **3.0 LABORATORY ANALYSES**

#### **3.1 Laboratory Analyses**

All samples were submitted to BC Laboratories for analysis. Soil samples were analyzed by selected test methods listed below in accordance with Table 1:

- Total petroleum hydrocarbons as gasoline (TPH-g) by EPA Test Method 8260B/5035;
- Total petroleum hydrocarbons as diesel (TPH-d) by EPA Test Method 8015B;
- TPH carbon chain analysis (full range) by EPA Test Method 8015CC;
- VOCs by EPA Test Method 8260B/5035;
- Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Test Method 8270C-SIM;
- California Title 22 Metals by EPA Test Methods 6010B/7471A; and,
- Polychlorinated biphenyls (PCBs) by EPA Test Method 8082.

The laboratory analytical reports are presented as Appendix C.

#### **3.2 Quality Assurance/Quality Control Laboratory Analysis**

The field duplicate soil samples, trip blanks, and equipment blanks were analyzed for QA/QC purposes.

Each field duplicate sample was analyzed for the same analytical suite as the primary sample.

Trip blank samples were analyzed for VOCs by EPA Test Method 8260B.

Equipment blank samples were analyzed for TPH carbon chain analysis (full range) by EPA Test Method 8015CC, California Title 22 Metals by EPA Test Methods 6010B/7471A, VOCs and TPH-g by EPA Test Method 8260B, and/or TPH-d by EPA Test Method 8015B.

## 4.0 RESULTS

### 4.1 Screening Criteria

The following screening criteria were used to assist with the review of the analytical data for soil and are provided in the results tables, when available, for comparison purposes:

- The California Human Health Screening Levels (CHHSLs) are concentrations of 54 hazardous chemicals in soil that the California EPA considers to be of concern for risks to human health. The thresholds of concern used to develop the CHHSLs are an excess lifetime cancer risk of one-in-a-million (1 E-06) and a hazard quotient of 1.0 for non-cancer health effects. The CHHSLs were developed using standard exposure assumptions and chemical toxicity values published by the EPA and California EPA.
- Detected soil target constituents were compared to the EPA Region 9 Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites assuming a Commercial/Industrial land use scenario was most applicable to the project. The RSLs were originally published in December 2009 and most recently updated in November 2014.
- Detected metals in soil were compared to State and Federal criteria for hazardous waste. Total concentrations were compared to the Total Threshold Limit Concentration (TTLC) criteria for California hazardous waste. Total concentrations were also compared to 10 times the Soluble Threshold Limit Concentration (STLC) and 20 times Federal Toxicity Characteristic Leaching Procedure (TCLP) concentration to determine if further waste extraction laboratory analyses were warranted to properly characterize the material as California or Federal hazardous waste.

### 4.2 Analytical Results

A complete listing of the analytical results for TPH, VOCs, PAHs, and metals in soil is included in Tables 2 through 5. A summary of the analytical results and comparisons to selected screening criteria is presented below. Laboratory analytical reports are provided as Appendix C.

#### 4.2.1 Site 1 – Langley Road

Six borings were advanced at Site 1 (Figure 2b). Borings GDC-1 through GDC-3 were advanced to 1.5 ft bgs to investigate shallow oil cake sands reported in the ISA. Borings GDC-4 through GDC-6 serve to investigate the plugged oil well located adjacent to the acquisition property.

TPH was detected in each of the shallow borings at both the 0.5 and 1.5 ft sampling intervals. TPH was detected at a maximum concentration of 31 milligrams per kilogram (mg/kg) in boring

GDC-3 at 0.5 ft bgs. TPH was not detected in samples collected from the deeper borings advanced to 15 ft bgs.

The only VOC detected was toluene in the soil sample collected from GDC-3 at 1.5 ft bgs at a concentration of 0.00056 mg/kg, below the EPA RSL of 47,000 mg/kg.

PAHs were detected in each of the shallow soil borings at both the 0.5 and 1.5 ft sampling intervals. Eight PAHs including benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, chrysene, fluoranthene, phenanthrene, and pyrene were detected. Each PAH was detected at a concentration equivalent to at least one order of magnitude below its respective EPA RSL and/or CHHSL. PAHs were not detected in samples collected from the deeper borings advanced to 15 ft bgs.

Metals were detected below hazardous waste criteria. Arsenic was detected (up to 16 mg/kg at 0.5 and 1.5 ft bgs) at concentrations in excess of the Industrial RSL (2.4 mg/kg) and Industrial CHHSL (0.24 mg/kg). For sites in Southern California, the Department of Toxic Substances Control (DTSC) has generally accepted concentrations below 12 mg/kg as being attributable to background sources. As such, anthropogenic arsenic contamination may be present at the site. Arsenic was detected at a concentration of 13 mg/kg in the duplicate sample collected from 0.5 ft bgs from boring GDC-2. Arsenic was also detected at a concentration of 16 mg/kg in samples collected from 0.5 and 1.5 ft bgs from boring GDC-3.

#### **4.2.2 Site 2 – Commerce Drive**

Eight borings were advanced at Site 2 (Figure 3b). Borings GDC-7 through GDC-12 were advanced to 10 ft bgs. Borings GDC-29 and GDC-30 were advanced to 1.5 ft bgs, directly beneath the overhead transformer identified during the site reconnaissance. Due to multiple subsurface and overhead utility conflicts, the locations where exploration could safely occur were severely limited and proposed locations provided in the Work Plan were adjusted in the field. Overhead electrical wires traverse the site south of the ancillary equipment while subsurface oil pipelines enter the tank farm site from the east, north, and west.

TPH was detected in 16 of 20 samples collected from each of the borings advanced at Site 2. TPH was detected at a maximum concentrations of 24,000 mg/kg and 21,000 mg/kg in boring GDC-8 at 5 ft bgs and 10 ft bgs, respectively. TPH was detected at concentrations over 1,000 mg/kg in samples collected from borings GDC-7, GDC-8, and GDC-9.

Eleven VOCs were detected in samples collected from boring GDC-8 at the 5 ft and 10 ft depth intervals. The VOCs include sec-butylbenzene, n-butylbenzene, isopropylbenzene, n-propylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, xylenes, o-xylenes, ethylbenzene, and p-isopropyltoluene. Each VOC was detected at concentrations equivalent to multiple orders of magnitude below their respective EPA RSLs.

Eight PAH compounds were detected in samples collected from boring GDC-8 at the 5 ft and 10 ft depth intervals. The PAHs include acenaphthene, benzo[a]anthracene, benzo[b]fluoranthene, chrysene, fluoranthene, fluorene, phenanthrene, and pyrene. Each PAH was detected at concentrations equivalent to at least one order of magnitude below their respective EPA RSLs.

Metals were detected below hazardous waste criteria. Arsenic was detected (up to 8.8 mg/kg at 1 ft bgs) at concentrations in excess of the Industrial RSL (2.4 mg/kg) and Industrial CHHSL (0.24 mg/kg). However, for sites in Southern California, the DTSC has generally accepted concentrations below 12 mg/kg as being attributable to background sources. The detected concentrations are likely attributable to naturally occurring arsenic in soil.

Two borings were advanced beneath the overhead transformer. Samples were collected from 0.5 and 1.5 ft bgs. PCBs were not detected in these soil samples.

#### **4.2.3 Site 3 – 4600 California Avenue**

Three borings were advanced at Site 3 (Figure 4b). Borings GDC-13 through GDC-15 were advanced to 10 feet bgs in the parking lot surrounding the oil well perimeter fence.

TPH was detected in each of the borings advanced at Site 3 at the 1 ft and 5 ft sampling depth intervals. The maximum detected TPH concentration was 2,200 mg/kg in boring GDC-13 at 1 ft bgs. TPH was not detected at concentrations above 1,000 mg/kg in any other samples collected from Site 3.

VOCs and PAHs were not detected in samples collected at Site 3.

#### **4.2.4 Site 4 – 4800 Easton Drive**

Three borings were advanced at Site 4 (Figure 5b). Borings GDC-16 through GDC-18 were advanced to 10 feet bgs in the parking lot surrounding the oil well perimeter fence.

TPH was detected in two of three borings advanced at Site 4. The maximum detected TPH concentration was 13 mg/kg in boring GDC-16 at 1 ft bgs.

The VOC toluene was detected in one soil sample collected (GDC-16 at 10 ft bgs) at a concentration of 0.00049 mg/kg, below the EPA RSL of 47,000 mg/kg. The VOC 1,1-dichloropropene was detected in one soil sample collected (GDC-17 at 5 ft bgs) at a concentration of 0.0026 mg/kg. An EPA RSL has not been established for 1,1-dichloropropene.

PAHs were not detected in samples collected at Site 4.

#### **4.2.5 Site 6 – 3333 Stockdale Highway**

Two borings were advanced at Site 6 (Figure 7b). Borings GDC-21 through GDC-22, advanced to 15 ft bgs, serve to investigate the UST removed from Site 6.

TPH-g was detected in one boring advanced at Site 6 at a concentration of 0.072 mg/kg in boring GDC-22 at 15 ft bgs.

TPH-d was detected in each of the borings advanced at Site 6. TPH-d was detected at concentrations up to 3.7 mg/kg in boring GDC-22 at 10 ft bgs.

VOCs and fuel oxygenates were not detected in soil samples collected from Site 6.

#### **4.2.6 Site 7 – 720 Wible Road**

Six borings were advanced at Site 7 (Figure 8b). Borings GDC-23 and GDC-24 were advanced to 5 ft bgs to investigate adjacent to the fuel dispensers. Borings GDC-25 through GDC-28, advanced to 15 ft bgs, serve to investigate the three USTs removed from Site 7. Due to multiple subsurface utilities and piping, the locations where exploration could safely occur were severely limited and proposed locations provided in the Work Plan were adjusted in the field.

TPH-g was detected in one of the six borings advanced at Site 7 at a concentration of 0.032 mg/kg in boring GDC-27 at 15 ft bgs.

TPH-d was detected in each of the six borings advanced at Site 7 at all depth intervals. TPH-d was detected at concentrations up to 9.2 mg/kg in boring GDC-25 at 5 ft bgs.

The VOC benzene was detected in one soil sample collected (GDC-27 at 15 ft bgs) at a concentration of 0.00058 mg/kg, below the EPA RSL of 510 mg/kg. The VOC toluene was detected in the same sample at a concentration of 0.0011 mg/kg, below the EPA RSL of 47,000 mg/kg.

### **4.3 Quality Assurance/Quality Control Results**

The analytical results for the field duplicate samples are included in Tables 2 through 5. In general, primary sample and duplicate sample results varied by 10 percent or less for the corresponding analytes.

Laboratory-prepared trip blank samples were submitted on each day of the sampling event and were analyzed for VOCs. VOCs were not detected above the laboratory reporting limits in the trip blank samples. This suggests that the likelihood that VOCs were introduced during the transportation of the samples, or that cross-contamination among the samples occurred is low.

The equipment blank samples EB-11212014 and EB-11202014 were collected for field activities on November 20 and 21, 2014, and were analyzed for TPH and metals. TPH was not detected in

the field blank samples. Low concentrations of barium, molybdenum, selenium, thallium, and vanadium were detected below reporting limits; however, based upon the results above, these are not considered chemicals of concern on the Project.

The equipment blank sample EB-12172014 was collected for field activities on December 17, 2014, and were analyzed for TPH-g, TPH-d, and VOCs. TPH was not detected in the equipment blank sample. A low concentration of toluene (0.11 ug/L) was detected; however, VOCs including toluene were not detected in any soil samples collected on December 17, 2014. Furthermore, this toluene detection was below the practical quantitation limit (PQL) and just above the method detection limit (MDL) of 0.093 ug/L. Therefore, this low detection of toluene is not considered significant and does not indicate improper equipment decontamination techniques.

Laboratory QA/QC measures include the use of matrix spikes, duplicates, and method blanks, in addition to calculation of percent recovery and relative percentage difference. A review of the laboratory QA/QC results indicates satisfactory data reporting, and the data are of sufficient quality for the purposes of this report.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Group Delta has completed a PSI for six of the seven proposed acquisition properties of concern on the Centennial Corridor Project. The property owner of 201 South Garnsey Avenue (Site 5) denied access.

Based upon this limited investigation, additional contamination may be encountered during the construction phase of the Project. A Soil Management Plan (SMP), Health and Safety Plan (HASP), and project-specific construction technical provisions must be developed and implemented. It is recommended that the SMP and HASP be developed by the contractor for approval by Caltrans. These plans must specifically address the constituents detected during this investigation, delineate soil impacts to the extent possible, provide for worker and public safety, identify applicable contaminated soil handling Best Management Practices (BMPs) and offsite permitted disposal facilities, as well as provide contingency plans should unidentified contamination consistent with the land uses of the sites described herein be discovered.

Any oil wells not previously identified should be properly plugged/abandoned in accordance with CDOGGR requirements. USTs not previously identified should be properly removed under the oversight of Kern County DEH.

Based on the investigation performed by Group Delta, the following conclusions are provided for the individual acquisition properties:

### 5.1 Site 1 – Langley Road

The detected concentrations indicate that the soil underlying the acquisition area contains low levels of TPH, toluene, and multiple PAHs. These constituents were detected at low concentrations below applicable screening levels and generally acceptable for re-use and/or disposal as non-hazardous waste. However, arsenic was detected at concentrations in excess of the Industrial RSL and CHHSL. The site's shallow soil contains arsenic at concentrations that are likely above naturally occurring background levels. Other metals were detected at low or background levels.

Due to the presence of arsenic above background levels, the Project HASP must address safe procedures for management of this soil.

No further investigation is warranted.

### 5.2 Site 2 – Commerce Drive

Samples collected from borings advanced in the northern portion of Site 2 contain elevated levels of petroleum hydrocarbons (up to 24,000 mg/kg) indicating a release of crude oil or product has

occurred at the site. Based upon a review of the history of this property, the TPH detected in soil is likely present as a result of oil transport and storage activities conducted by E & B Natural Resources on the site.

Soil containing elevated TPH encountered during project construction at this location will require special management and implementation of additional health and safety procedures. It is not appropriate for reuse on the Project. It is recommended that soil excavated from Site 2 be disposed of offsite as a non-hazardous waste at an appropriate permitted facility per the SMP to be developed for the project.

In addition, the vertical and lateral extent of soil containing elevated TPH has not been defined for the site, as it is an active tank farm with ancillary equipment and multiple underground, exposed, and overhead utilities and/or oil lines that traverse the site. VOCs were detected at low concentrations.

Metals were detected at low or background levels at Site 2.

Last, soil beneath the overhead transformer does not contain PCBs. As such, the overhead transformer should not be considered an area of concern for soil contamination.

### **5.3 Site 3 – 4600 California Avenue**

Shallow soil samples collected from 1 ft bgs at Site 2 contain high levels of petroleum hydrocarbons with a maximum of 2,200 mg/kg. These samples were collected from the parking lot surrounding the perimeter fence of the E & B Natural Resources oil well area. Based upon a review of the history of this property, the TPH detected in soil is likely present as a result of oil exploration by E & B Natural Resources or its predecessor.

Shallow contaminated soil with high TPH represented by these samples encountered during project construction may require special management and implementation of additional health and safety procedures. It is not appropriate for reuse on the Project. Based on the limited assessment performed at this site, it is recommended that soil excavated down to 5 ft bgs from Site 2 within a 25 ft radius of the oil well be segregated and characterized or disposed of offsite at a permitted facility as non-hazardous waste.

Additional TPH contamination may exist within the perimeter of the E & B Natural Resources oil well area, which houses an operational oil pump. Investigation in this area was not possible due to the oil pump. E & B Natural Resources must remove pumping equipment and plug or abandon the oil well in accordance with California Division of Oil, Gas, and Geothermal Resources (CDOGGR) requirements. Contaminated soil discovered underlying the area must be removed by E & B Natural Resources during abandonment procedures.

VOCs and PAHs were not detected.

#### **5.4 Site 4 – 4800 Easton Drive**

The detected concentrations indicate that the soil underlying the acquisition area contains low levels of TPH and VOCs. Based upon a review of the history of this property, the constituents detected in soil are likely present as a result of oil exploration by E & B Natural Resources or its predecessor. These constituents were detected at low concentrations below applicable screening levels and generally acceptable for re-use and/or disposal as non-hazardous waste.

Additional TPH contamination may exist within the perimeter of the E & B Natural Resources oil well area, which houses an operational oil pump. Investigation in this area was not possible due to the oil pump. E & B Natural Resources must remove pumping equipment and plug or abandon the oil well in accordance with CDOGGR requirements. Contaminated soil discovered underlying this area must be removed by E & B Natural Resources during abandonment procedures.

VOCs were detected at low concentrations and PAHs were not detected.

#### **5.5 Site 5 – 201 South Garnsey Avenue**

Site 5 is a residential property formerly owned by Womack Construction Inc. Access was not granted for soil sampling. A 550-gallon gasoline UST was once operated at the site. Because the UST was abandoned in place in lieu of removal due to access restrictions, the UST must be removed during Project construction. The UST removal process will be overseen by Kern County DEH and confirmation soil samples must be collected from beneath the footprint of the UST and ancillary piping and dispensers following removal in order to receive case closure. If discovered, residual contamination must be delineated and removed to the satisfaction of DEH. The additional investigation and potential offsite disposal of soil should conform to the SMP to be developed for the project.

#### **5.6 Site 6 – 3333 Stockdale Highway**

The detected concentrations indicate that the soil underlying the acquisition area contains low levels of TPH in the gasoline and diesel ranges. Based upon a review of the history of this property, the constituents detected in soil are likely present as a result of fuel storage. These constituents were detected at low concentrations below applicable screening levels and generally acceptable for re-use and/or disposal as non-hazardous waste.

VOCs and fuel oxygenates were not detected.

No further investigation is warranted.

#### **5.7 Site 7 – 720 Wible Road**

The detected concentrations indicate that the soil underlying the acquisition area contains low levels of TPH in the gasoline and diesel ranges, benzene, and toluene. Based upon a review of

the history of this property, the constituents detected in soil are likely present as a result of gasoline station operations. These constituents were detected at low concentrations below applicable screening levels and generally acceptable for re-use and/or disposal as non-hazardous waste.

VOCs and fuel oxygenates were detected at low concentrations.

No further investigation is warranted.

## 6.0 REFERENCES

California Environmental Protection Agency. Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties. January 2005.

Environmental Protection Agency – Region 9. Regional Screening Levels (RSL) Summary Table (TR=1E-6, HQ=1). November 2014.

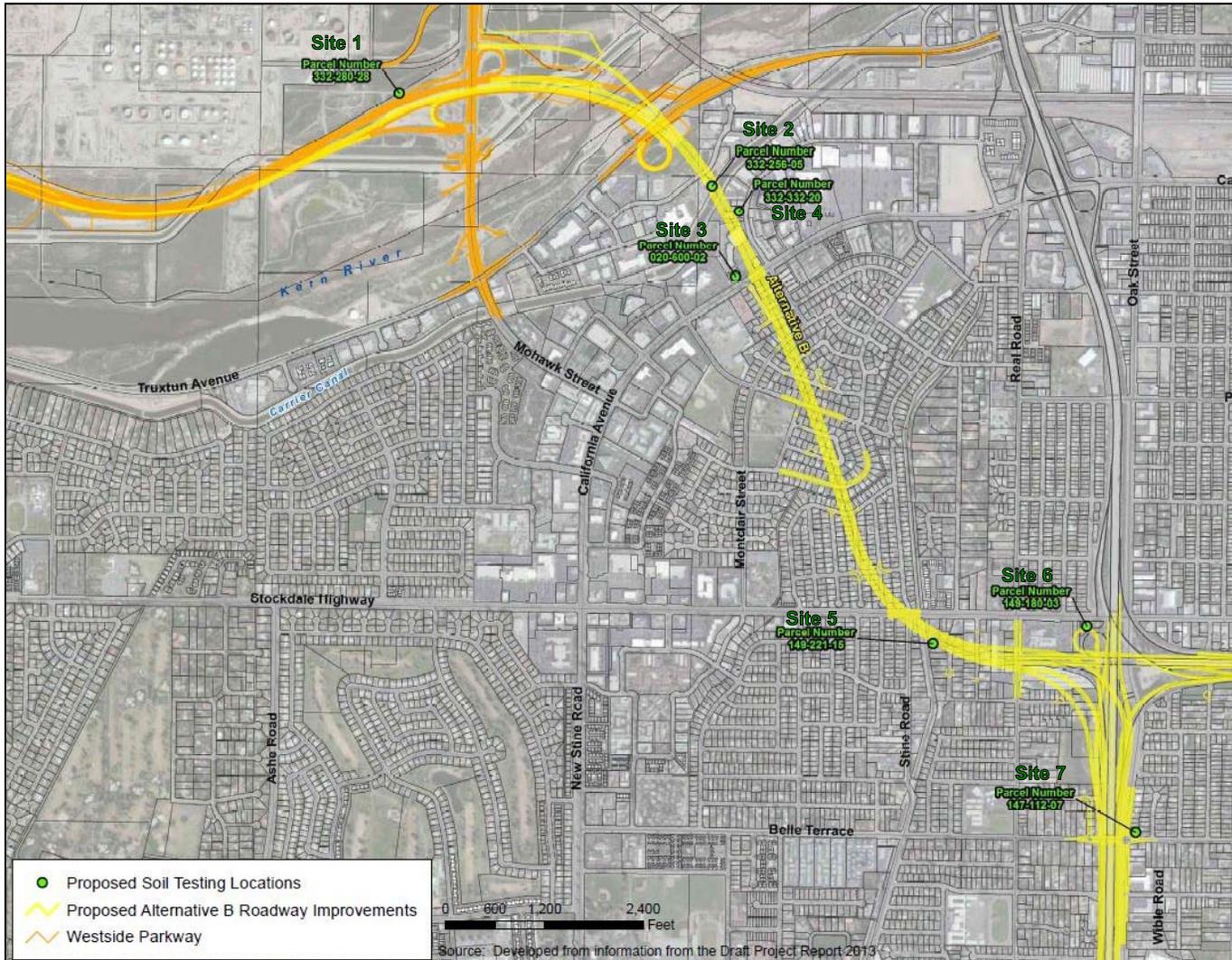
ERM West Inc. Centennial Corridor Project Initial Site Assessment. November 2012 (Revised March 2014).

Group Delta. Work Plan, Preliminary Site Investigation for Asbestos Containing Materials and Total Petroleum Hydrocarbons, Centennial Corridor Project. October 30, 2014.

Parsons. Centennial Corridor Project Focused Initial Site Assessment. October 2013.

## FIGURES





Reference: Caltrans



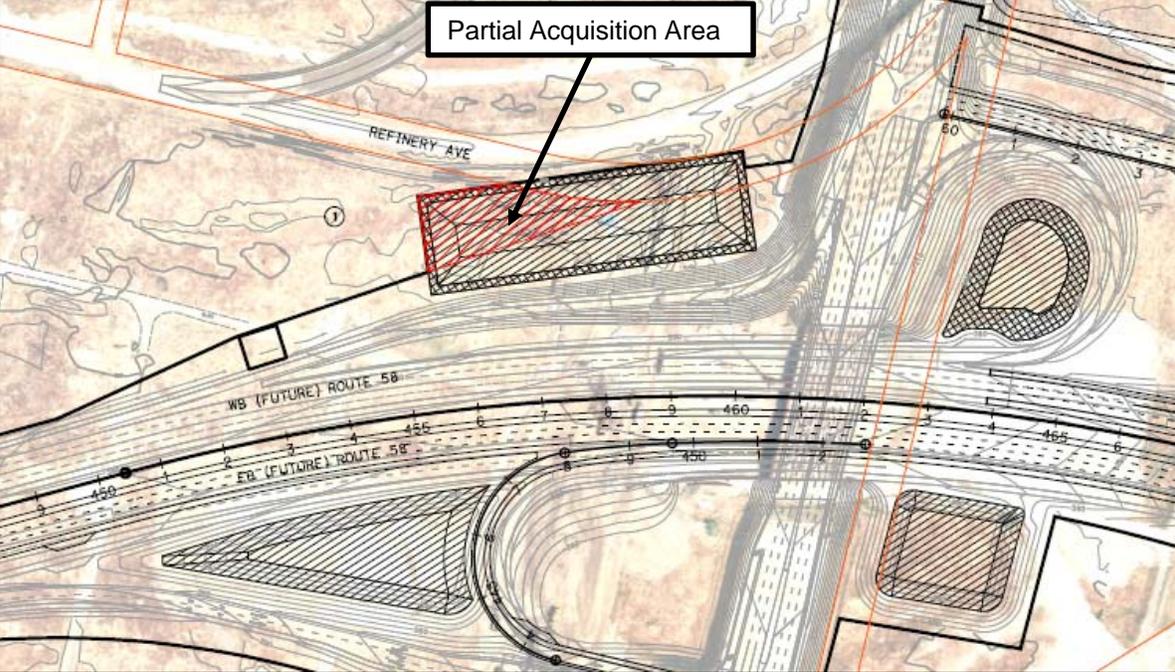
GDC Project No. EN047

Preliminary Site Investigation  
Centennial Corridor  
Bakersfield, California

### Soil Sampling Location Map

Figure 1

**PARCEL MAP**



**AERIAL PHOTOGRAPH**



**Reference:**

*Caltrans & Google Maps*

**SITE 1**  
APN: 332-280-28  
Langley Road

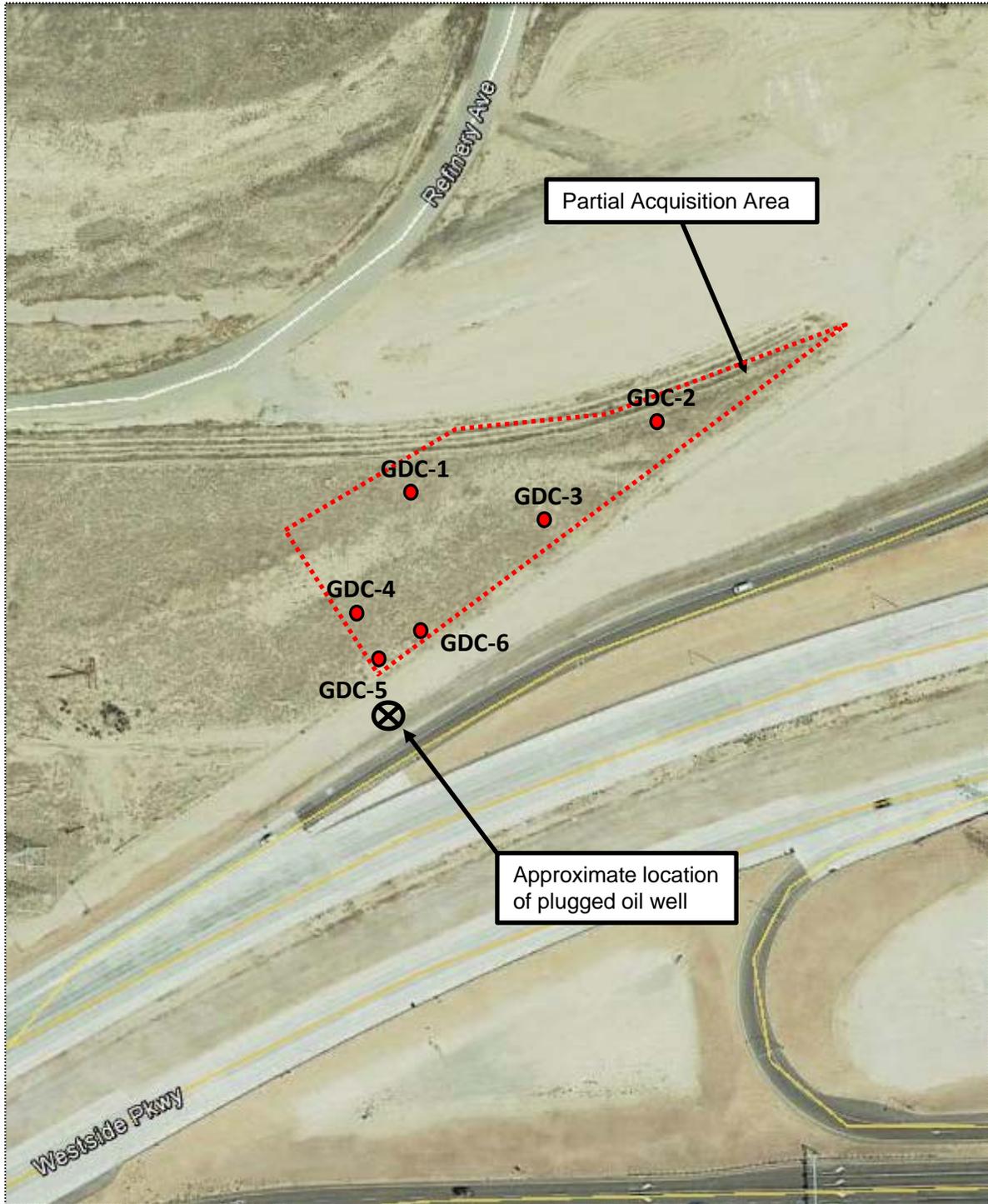


GDC Project No. EN047

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Bakersfield, CA

**Site 1 Location Map**

Figure 2a



Reference: Google Earth

SITE 1  
 APN: 332-280-28  
 Langley Road



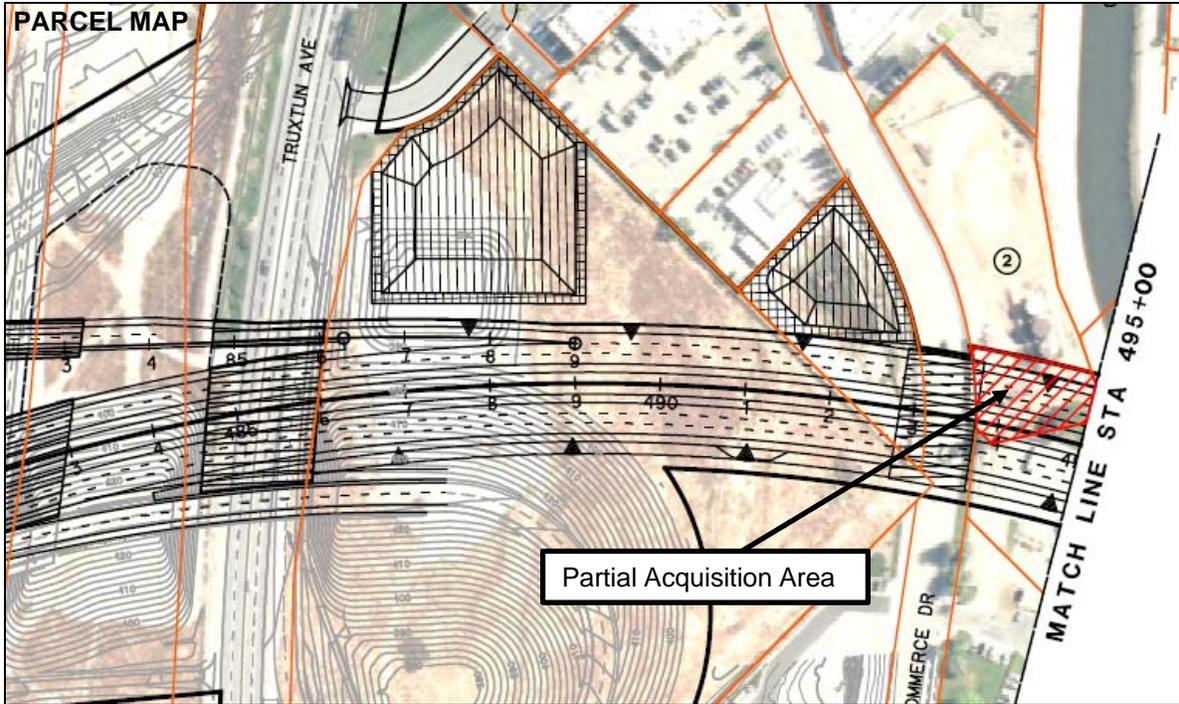
GDC Project No. EN047

Preliminary Site Investigation  
 Centennial Corridor  
 Bakersfield, CA

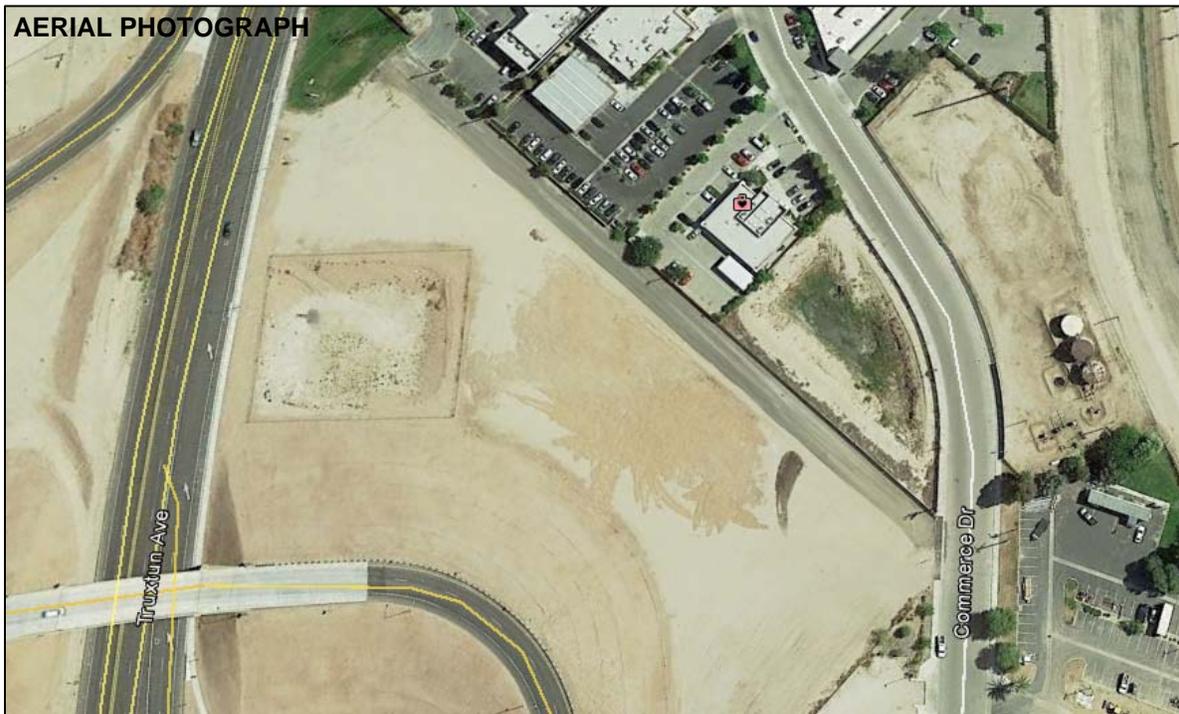
**Site 1 Boring Location Map**

Figure 2b

**PARCEL MAP**



**AERIAL PHOTOGRAPH**



**Reference:**

*Caltrans & Google Maps*

**SITE 2**

**APN: 332-256-05**

**Commerce Drive**



**GROUP**



**DELTA**

GDC Project No. EN047

Preliminary Site Investigation  
Centennial Corridor  
Bakersfield, CA

**Site 2 Location Map**

Figure 3a



Reference: *Google Earth*

SITE 2  
 APN: 332-256-05  
 Commerce Drive

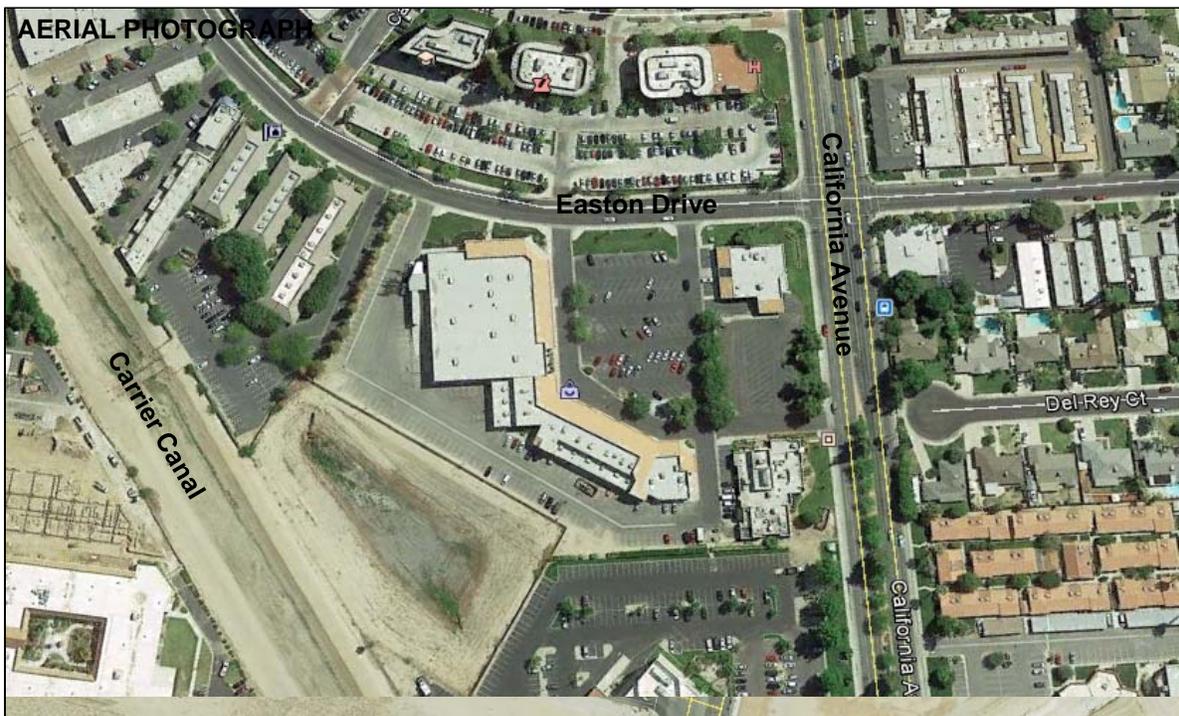
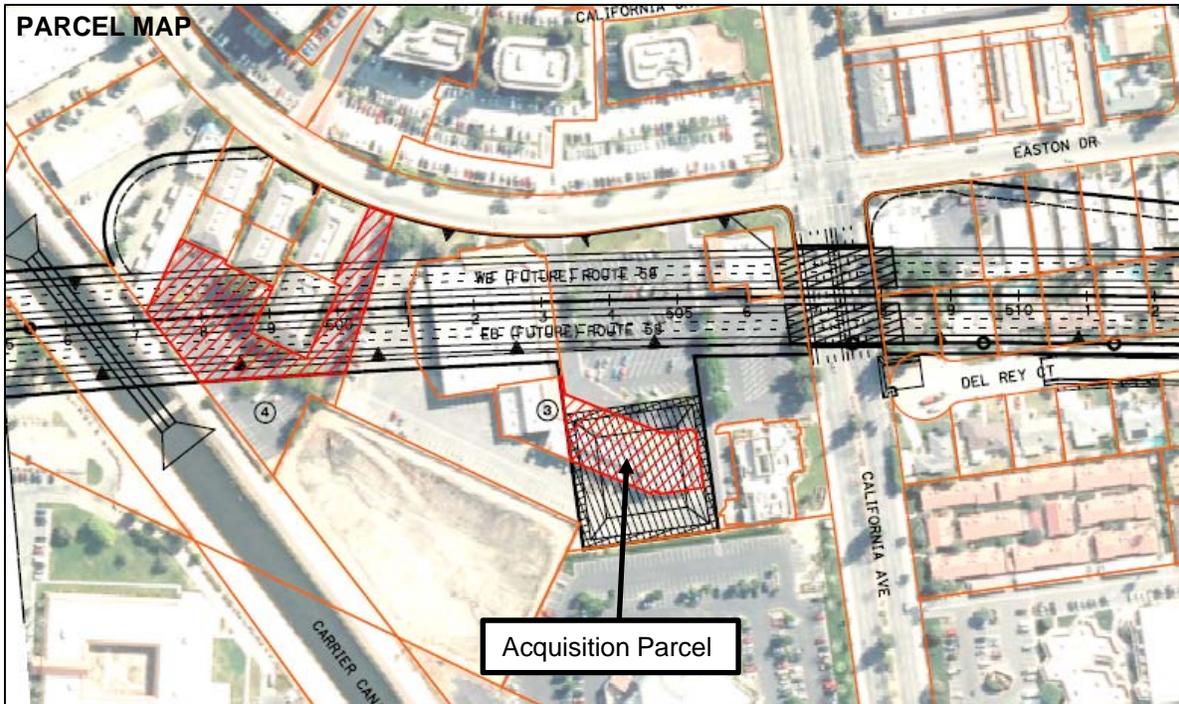


GDC Project No. EN047

Preliminary Site Investigation  
 Centennial Corridor  
 Bakersfield, CA

**Site 2 Boring Location Map**

Figure 3b



Reference:

*Caltrans & Google Maps*

**SITE 3**

**APN: 020-600-02**

**4600 California Avenue**

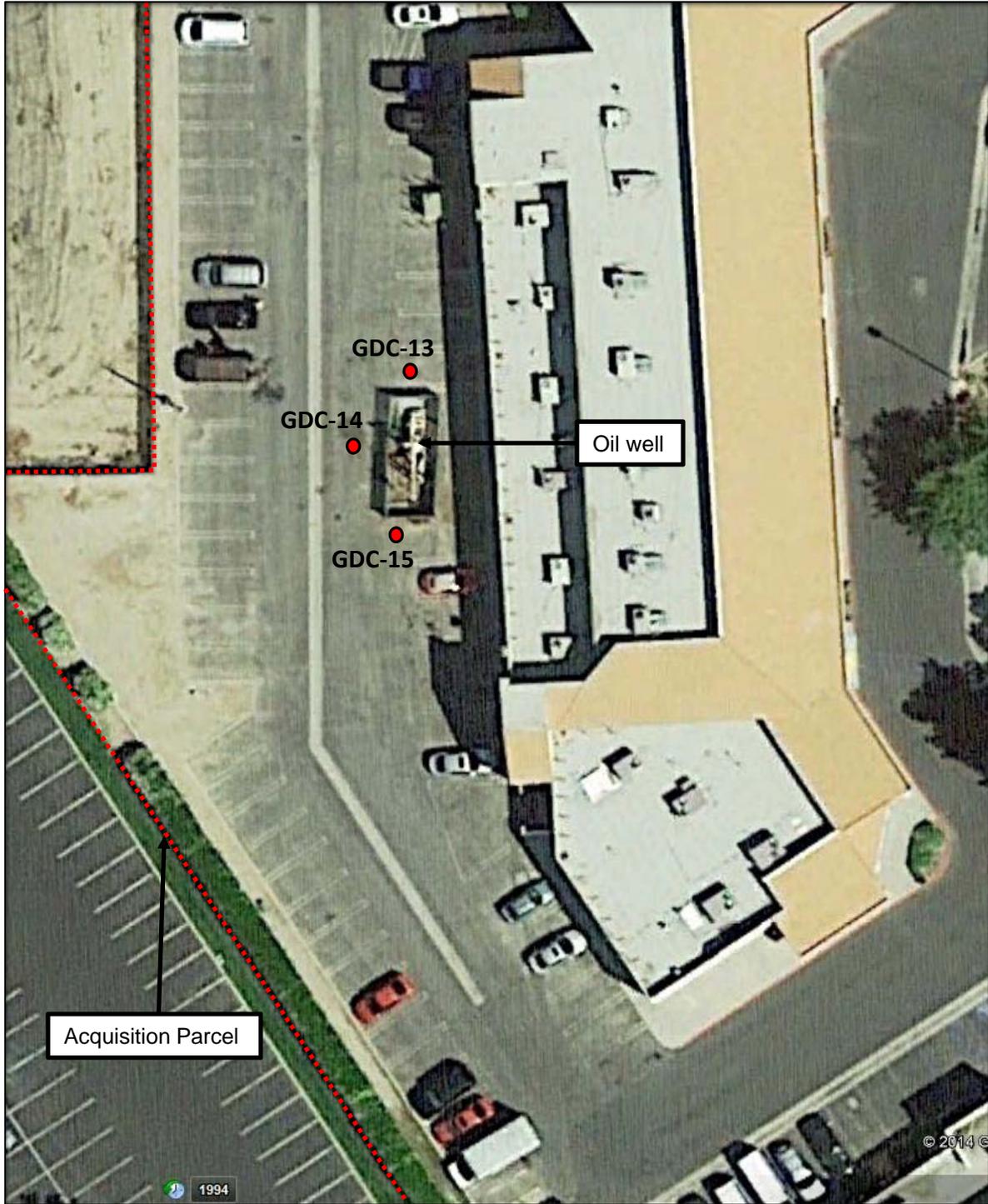


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Preliminary Site Investigation  
Centennial Corridor  
Bakersfield, CA

**Site 3 Location Map**

Figure 4a



Reference: *Google Earth*

**SITE 3**

APN: 020-600-02

4600 California Avenue

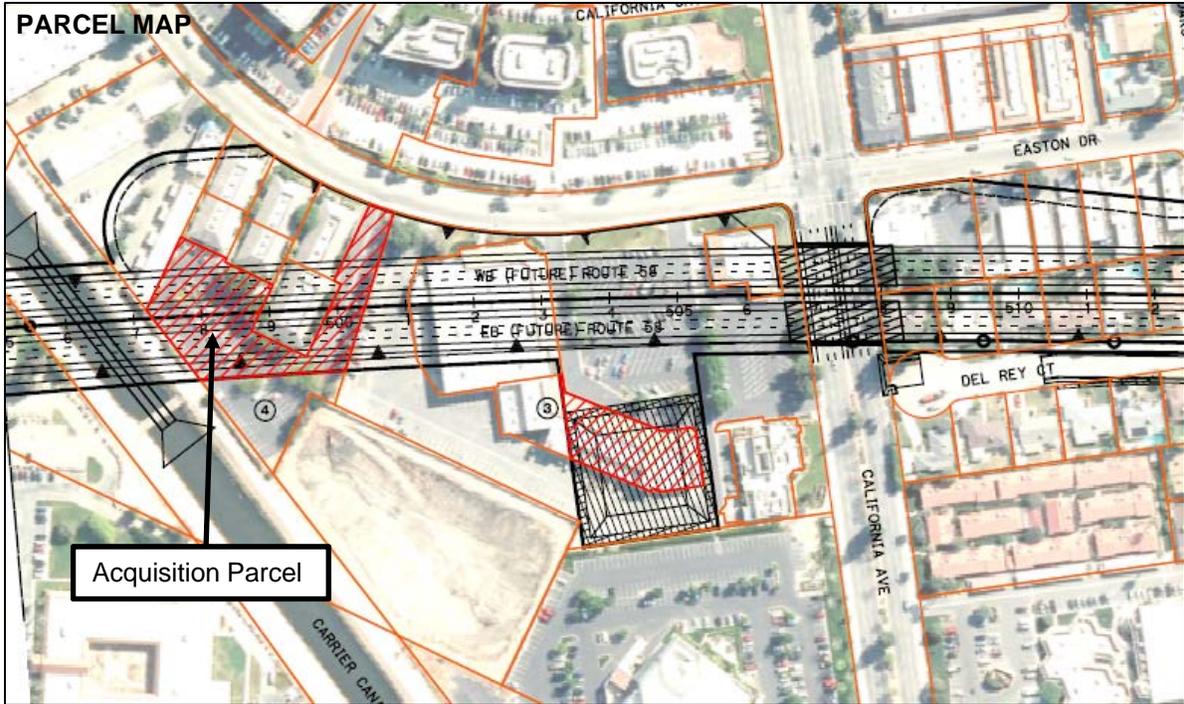


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Centennial Corridor  
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**Site 3 Boring Location Map**

Figure 4b



**Reference:**

*Caltrans & Google Maps*

**SITE 4**

**APN: 332-332-20**

**4800 Easton Drive**



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**Site 4 Location Map**

Figure 5a



Reference: *Google Earth*

**SITE 4**

**APN: 332-332-20**

**4800 Easton Drive**



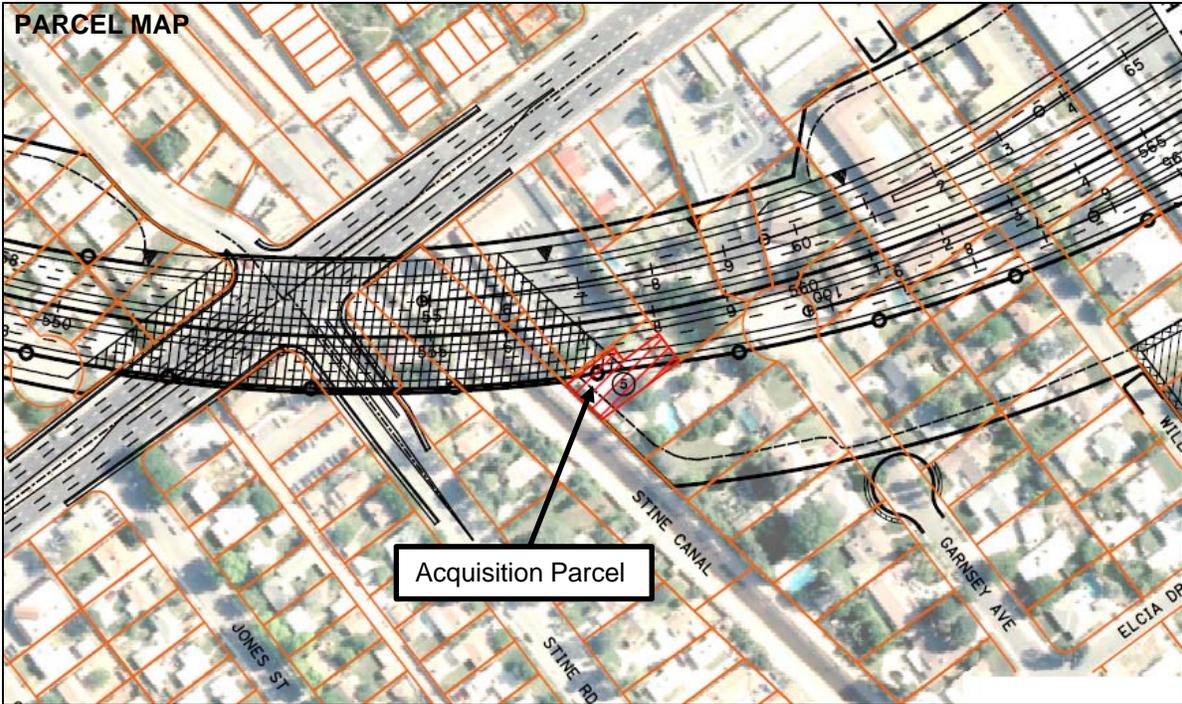
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Centennial Corridor  
Bakersfield, CA

**Site 4 Boring Location Map**

Figure 5b

**PARCEL MAP**



**AERIAL PHOTOGRAPH**



**Reference:**

*Caltrans & Google Maps*

**SITE 5**

**APN: 149-221-15**

**201 South Garnsey Ave.**



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**Site 5 Location Map**

Figure 6a



Reference: *Google Earth*

**SITE 5**  
 APN: 149-221-15  
 201 South Garnsey Ave.

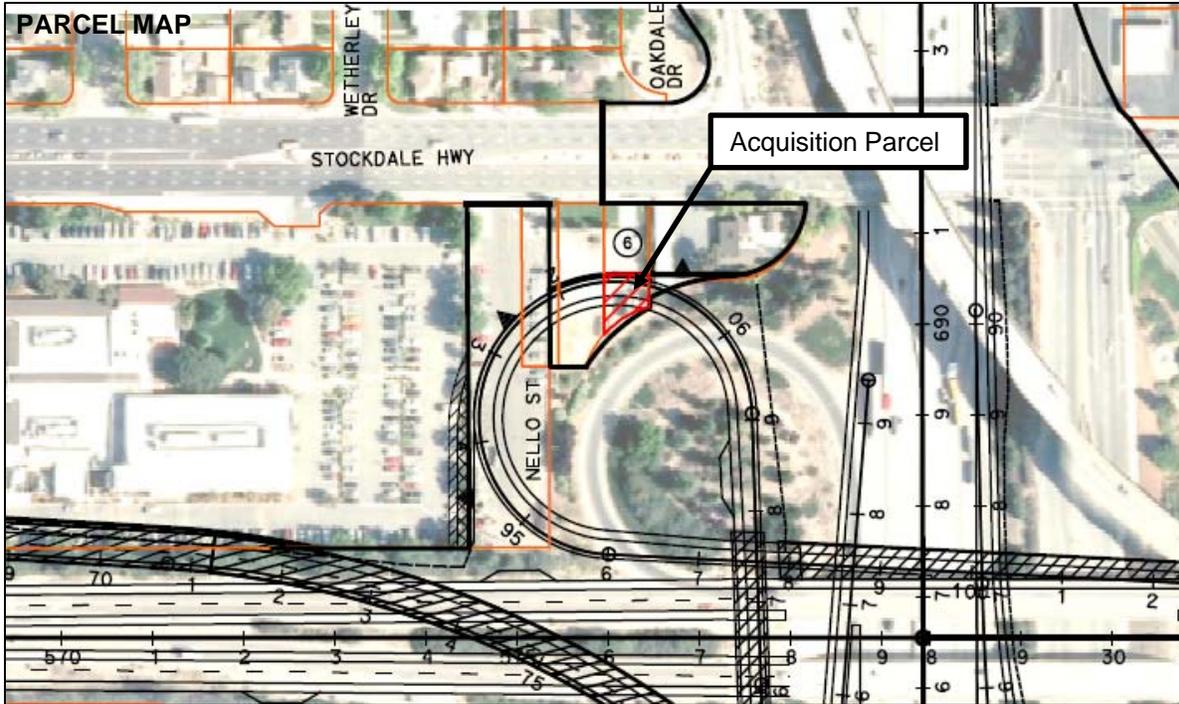


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 Bakersfield, CA

**Site 5 Boring Location Map**

Figure 6b



Reference:

*Caltrans & Google Maps*

SITE 6

APN: 149-180-03

3333 Stockdale Highway



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Bakersfield, CA

**Site 6 Location Map**

Figure 7a



Reference: Google Earth

SITE 6

APN: 149-180-03

3333 Stockdale Highway

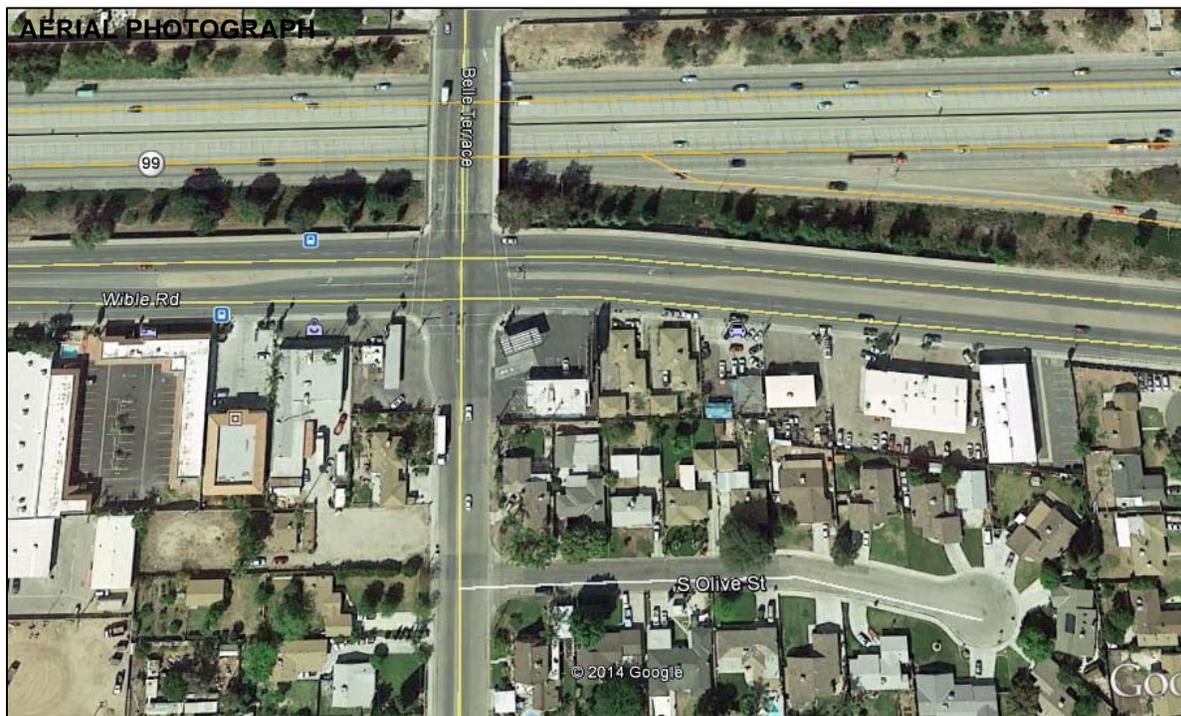
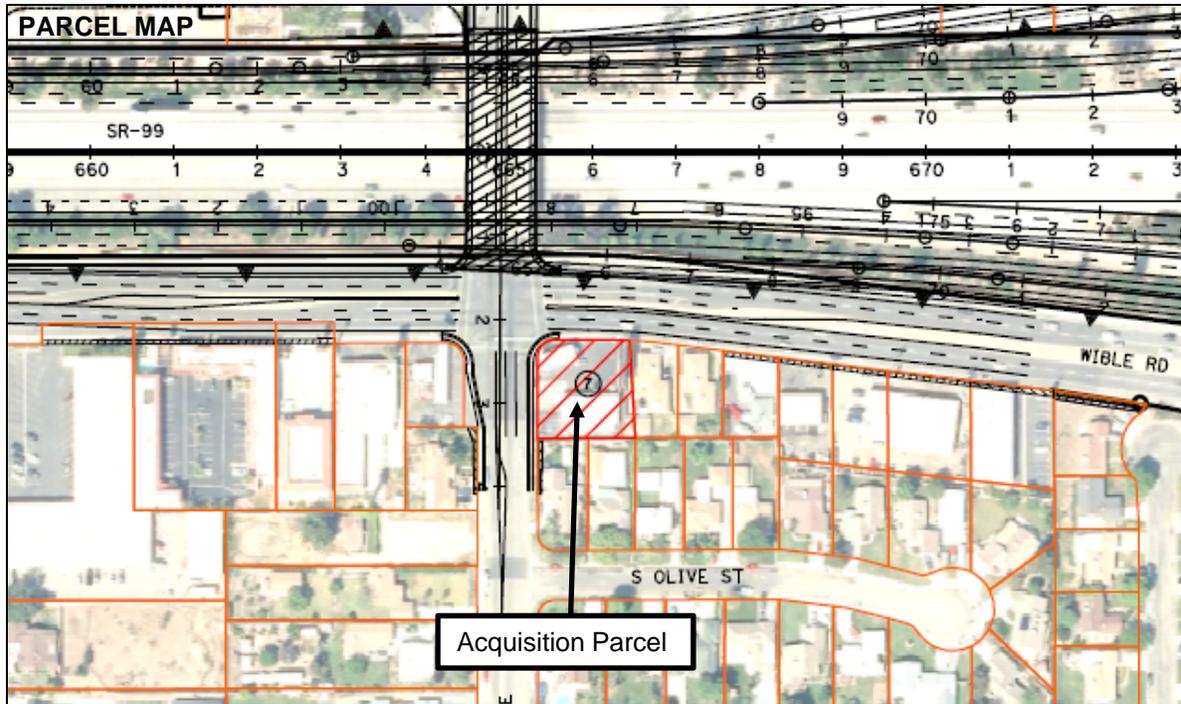


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Preliminary Site Investigation  
Centennial Corridor  
Bakersfield, CA

**Site 6 Boring Location Map**

Figure 7b



Reference:

*Caltrans & Google Maps*

**SITE 7**

**APN: 147-112-07**

**720 Wible Road**



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Preliminary Site Investigation  
Centennial Corridor  
Bakersfield, CA

**Site 7 Location Map**

Figure 8a



Reference: Google Earth

**SITE 7**  
 APN: 147-112-07  
 720 Wible Road



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Preliminary Site Investigation  
 Centennial Corridor  
 Bakersfield, CA

**Site 7 Boring Location Map**

Figure 8b



## TABLES



**Table 1**  
**Investigation Summary**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site No.	Location	Address	Property Type & Use	Area of Concern	No. of Borings	Boring Identifications	Sample Depths (ft bgs)	Analysis	EPA Test Method
1	332-280-28	Langley Road	Vacant – Part of Refinery	Oil Cake Sand	3	GDC-1 GDC-2 GDC-3	0.5 & 1.5	TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
								PAHs	8270C-SIM
								Metals	6010B/7471A
				Oil Well (1)	3	GDC-4 GDC-5 GDC-6	1, 5, & 10	TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
2	332-256-05	Commerce Drive	Industrial – Oil pumping facility	Oil pumping facility with Aboveground Storage Tanks	6	GDC-7 GDC-8 GDC-9 GDC-10 GDC-11 GDC-12	1	TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
								PAHs	8270C-SIM
								Metals	6010B/7471A
								TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
3	020-600-02	4600 California Avenue	Commercial – Retail property	Oil Well (1)	3	GDC-13 GDC-14 GDC-15	1, 5, & 10	TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
								PAHs	8270C-SIM
4	332-332-20	4800 Easton Drive	Commercial – Parking Lot	Oil Well (1)	3	GDC-16 GDC-17 GDC-18	1, 5, & 10	TPH - carbon chain analysis (full range)	8015CC
								VOCs	8260B
								PAHs	8270C-SIM
5	149-221-15	201 South Garnsey Avenue	Residential	UST (1)	2	GDC-19 (proposed) GDC-20 (proposed)	5, 10, & 15	TPH - gasoline	8260B
								TPH - diesel	8015B
								VOCs - BTEX & Oxygenates only	8260B
6	149-180-03	3333 Stockdale Highway	Public Land – Water Utility Facility	UST (1)	2	GDC-21 GDC-22	5, 10, & 15	TPH - gasoline	8260B
								TPH - diesel	8015B
								VOCs - BTEX & Oxygenates only	8260B
7	147-112-07	720 Wible Road	Commercial – Gasoline Station	Fuel Dispensers	2	GDC-23 GDC-24	3 & 5	TPH - gasoline	8260B
								TPH - diesel	8015B
								VOCs - BTEX & Oxygenates only	8260B
				USTs (4)	4	GDC-25 GDC-26 GDC-27, & GDC-28	5, 10 & 15	TPH - gasoline	8260B
								TPH - diesel	8015B
								VOCs - BTEX & Oxygenates only	8260B

**Notes:**

AST - aboveground storage tank  
BTEX - benzene, toluene, ethylbenzene, & xylenes  
CDOGGR - California Division of Oil, Gas, and Geothermal Resources  
ft bgs - feet below ground surface  
PAHs - polycyclic aromatic hydrocarbons  
PCBs - polychlorinated biphenyls  
TPH - total petroleum hydrocarbons  
UST - underground storage tank  
VOCs - volatile organic compounds



**Table 2**  
**Soil Analytical Results for Total Petroleum Hydrocarbons**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	TPH-g	TPH-d	TPH - Carbon Chain (Full Range)
Site 1 Langley Road	GDC-1-0.5	11/21/14	mg/kg	NA	NA	10
	GDC-1-1.5	11/21/14	mg/kg	NA	NA	9.4
	GDC-2-0.5	11/21/14	mg/kg	NA	NA	22
	GDC-2-0.5-DUP	11/21/14	mg/kg	NA	NA	24
	GDC-2-1.5	11/21/14	mg/kg	NA	NA	26
	GDC-3-0.5	11/21/14	mg/kg	NA	NA	31
	GDC-3-1.5	11/21/14	mg/kg	NA	NA	28
	GDC-4-1	11/20/14	mg/kg	NA	NA	ND
	GDC-4-5	11/20/14	mg/kg	NA	NA	ND
	GDC-4-10	11/20/14	mg/kg	NA	NA	ND
	GDC-5-1	11/20/14	mg/kg	NA	NA	ND
	GDC-5-5	11/20/14	mg/kg	NA	NA	ND
	GDC-5-10	11/20/14	mg/kg	NA	NA	ND
	GDC-6-1	11/20/14	mg/kg	NA	NA	ND
	GDC-6-5	11/20/14	mg/kg	NA	NA	ND
GDC-6-10	11/20/14	mg/kg	NA	NA	ND	
Site 2 Commerce Drive	GDC-7-1	11/20/14	mg/kg	NA	NA	380
	GDC-7-5	11/20/14	mg/kg	NA	NA	15
	GDC-7-10	11/20/14	mg/kg	NA	NA	5100
	GDC-8-1	11/20/14	mg/kg	NA	NA	11000
	GDC-8-5	11/20/14	mg/kg	NA	NA	24000
	GDC-8-5-DUP	11/20/14	mg/kg	NA	NA	22000
	GDC-8-10	11/20/14	mg/kg	NA	NA	21000
	GDC-9-1	11/20/14	mg/kg	NA	NA	1000
	GDC-9-5	11/20/14	mg/kg	NA	NA	15
	GDC-9-10	11/20/14	mg/kg	NA	NA	ND
	GDC-10-1	11/20/14	mg/kg	NA	NA	400
	GDC-10-5	11/20/14	mg/kg	NA	NA	6.9
	GDC-10-10	11/20/14	mg/kg	NA	NA	ND
	GDC-11-1	11/20/14	mg/kg	NA	NA	81
	GDC-11-1-DUP	11/20/14	mg/kg	NA	NA	71
GDC-11-5	11/20/14	mg/kg	NA	NA	24	
GDC-11-10	11/20/14	mg/kg	NA	NA	ND	
GDC-12-1	11/20/14	mg/kg	NA	NA	550	
GDC-12-5	11/20/14	mg/kg	NA	NA	ND	
GDC-12-10	11/20/14	mg/kg	NA	NA	11	
Site 3 California Avenue	GDC-13-1	11/21/14	mg/kg	NA	NA	2200
	GDC-13-5	11/21/14	mg/kg	NA	NA	ND
	GDC-13-10	11/21/14	mg/kg	NA	NA	ND
	GDC-14-1	11/21/14	mg/kg	NA	NA	550
	GDC-14-5	11/21/14	mg/kg	NA	NA	ND
	GDC-14-10	11/21/14	mg/kg	NA	NA	ND
	GDC-15-1	11/20/14	mg/kg	NA	NA	ND
	GDC-15-5	11/20/14	mg/kg	NA	NA	39
GDC-15-5-DUP	11/20/14	mg/kg	NA	NA	ND	
GDC-15-10	11/20/14	mg/kg	NA	NA	ND	

**Table 2**  
**Soil Analytical Results for Total Petroleum Hydrocarbons**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	TPH-g	TPH-d	TPH - Carbon Chain (Full Range)
Site 4 Easton Drive	GDC-16-1	11/20/14	mg/kg	NA	NA	13
	GDC-16-5	11/20/14	mg/kg	NA	NA	ND
	GDC-16-10	11/20/14	mg/kg	NA	NA	ND
	GDC-17-1	11/20/14	mg/kg	NA	NA	ND
	GDC-17-5	11/20/14	mg/kg	NA	NA	11
	GDC-17-10	11/20/14	mg/kg	NA	NA	ND
	GDC-18-1	11/20/14	mg/kg	NA	NA	ND
	GDC-18-5	11/20/14	mg/kg	NA	NA	ND
Site 6 Stockdale Highway	GDC-21-5	12/17/14	mg/kg	ND	2.1	NA
	GDC-21-10	12/17/14	mg/kg	ND	2.0	NA
	GDC-21-10-DUP	12/17/14	mg/kg	ND	2.1	NA
	GDC-21-15	12/17/14	mg/kg	ND	3.0	NA
	GDC-22-5	12/17/14	mg/kg	ND	3.4	NA
	GDC-22-10	12/17/14	mg/kg	ND	3.7	NA
	GDC-22-10-DUP	12/17/14	mg/kg	ND	ND	NA
Site 7 Wible Road	GDC-22-15	12/17/14	mg/kg	0.072	2.4	NA
	GDC-23-3	11/21/14	mg/kg	ND	3.0	NA
	GDC-23-5	11/21/14	mg/kg	ND	2.7	NA
	GDC-23-5-DUP	11/21/14	mg/kg	ND	2.8	NA
	GDC-24-3	11/21/14	mg/kg	ND	6.1	NA
	GDC-24-3-DUP	11/21/14	mg/kg	ND	6.3	NA
	GDC-24-5	11/21/14	mg/kg	ND	6.0	NA
	GDC-25-5	11/21/14	mg/kg	ND	9.2	NA
	GDC-25-10	11/21/14	mg/kg	ND	3.4	NA
	GDC-25-15	11/21/14	mg/kg	ND	4.7	NA
	GDC-26-5	11/21/14	mg/kg	ND	8.2	NA
	GDC-26-10	11/21/14	mg/kg	ND	7.4	NA
	GDC-26-15	11/21/14	mg/kg	ND	3.6	NA
	GDC-27-5	11/21/14	mg/kg	ND	9.0	NA
	GDC-27-10	11/21/14	mg/kg	ND	2.7	NA
GDC-27-15	11/21/14	mg/kg	0.032 J	2.6	NA	
GDC-28-5	11/21/14	mg/kg	ND	8.4	NA	
GDC-28-10	11/21/14	mg/kg	ND	3.4	NA	
GDC-28-15	11/21/14	mg/kg	ND	3.7	NA	

**Notes**

- 1) "ND" Indicates constituent(s) not detected at or above method detection limit.
- 2) TPH = Total Petroleum Hydrocarbons; TPH-g = TPH as Gasoline; TPH-d = TPH as Diesel
- 3) mg/kg = milligrams per kilogram
- 4) J = Estimated value (above detection limit, but below reporting limit)
- 5) NA = Not applicable

**Table 3**  
**Soil Analytical Results for Detected Volatile Organic Compounds**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Benzene	Toluene	Ethylbenzene	Total Xylenes	<i>o</i> -Xylene	<i>sec</i> -Butylbenzene	<i>n</i> -Butylbenzene	Isopropylbenzene	<i>n</i> -Propylbenzene	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	<i>p</i> -Isopropyltoluene	1,1-Dichloropropene
Site 1 Langley Road	GDC-1-0.5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-1-1.5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-2-0.5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-2-0.5-DUP	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-2-1.5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-3-0.5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-3-1.5	11/21/14	mg/kg	ND	0.00056 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-4-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-4-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-4-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-6-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-6-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-6-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Site 2 Commerce Drive	GDC-7-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-7-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-7-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-8-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-8-5	11/20/14	mg/kg	ND	ND	ND	0.0014 J	0.0012 J	0.00098 J	ND	0.00076 J	0.00088 J	ND	ND	0.00076 J	ND	ND
	GDC-8-5-DUP	11/20/14	mg/kg	ND	ND	ND	0.0016 J	0.0012 J	0.0011 J	0.00072 J	0.00091 J	ND	0.0089	0.00061 J	0.00091 J	ND	ND
	GDC-8-10	11/20/14	mg/kg	ND	ND	0.00049 J	0.0032	0.0030	0.0029	0.0021	0.0023	0.0024	ND	0.00078 J	0.0023	0.00057 J	ND
	GDC-9-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-9-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-9-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-1-DUP	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-12-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-12-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-12-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

**Table 3**  
**Soil Analytical Results for Detected Volatile Organic Compounds**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Benzene	Toluene	Ethylbenzene	Total Xylenes	<i>o</i> -Xylene	sec-Butylbenzene	<i>n</i> -Butylbenzene	Isopropylbenzene	<i>n</i> -Propylbenzene	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	<i>p</i> -Isopropyltoluene	1,1-Dichloropropene
Site 3 California Avenue	GDC-13-1	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-13-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-13-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-1	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-15-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-15-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-15-5-DUP	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-15-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Site 4 Easton Drive	GDC-16-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-16-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-16-10	11/20/14	mg/kg	ND	0.00049 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-17-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-17-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026
	GDC-17-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-18-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-18-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-18-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Site 6 Stockdale Highway	GDC-21-5	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-21-10	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-21-10-DUP	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-21-15	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-22-5	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-22-10	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-22-10-DUP	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
GDC-22-15	12/17/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**Table 3**  
**Soil Analytical Results for Detected Volatile Organic Compounds**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Benzene	Toluene	Ethylbenzene	Total Xylenes	<i>o</i> -Xylene	<i>sec</i> -Butylbenzene	<i>n</i> -Butylbenzene	Isopropylbenzene	<i>n</i> -Propylbenzene	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	<i>p</i> -Isopropyltoluene	1,1-Dichloropropene	
Site 7 Wible Road	GDC-23-3	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GDC-23-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GDC-23-5-DUP	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GDC-24-3	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GDC-24-3-DUP	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GDC-24-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-25-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-25-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-25-15	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-26-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-26-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-26-15	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-27-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-27-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GDC-27-15	11/21/14	mg/kg	0.00058 J	0.0011 J	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GDC-28-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GDC-28-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GDC-28-15	11/21/14	mg/kg	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
EPA Industrial RSL			mg/kg	510	47000	25	2500	2800	120000	58000	NA	22000	17	240	12000	NA	NA	

- Notes**
- 1) "ND" Indicates constituent(s) not detected at or above method detection limit.
  - 2) EPA = Environmental Protection Agency; RSL = Regional Screening Level
  - 3) mg/kg = milligrams per kilogram
  - 4) J = Estimated value (above detection limit, but below reporting limit)
  - 5) NA = Not applicable

**Table 4**  
**Soil Analytical Results for Detected Polycyclic Aromatic Hydrocarbons**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Acenaphthene	Benzo[a]anthracene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
Site 1 Langley Road	GDC-1-0.5	11/21/14	mg/kg	ND	0.0025 J	0.0052	0.0029 J	0.0045	0.0051	0.0071	ND	0.0040	0.013
	GDC-1-1.5	11/21/14	mg/kg	ND	0.0030	0.053	0.0034	0.0052	0.0058	0.0075	ND	0.0028 J	0.015
	GDC-2-0.5	11/21/14	mg/kg	ND	0.0039	0.0073	0.0034	0.0063	0.0065	0.0091	ND	0.0031	0.013
	GDC-2-0.5-DUP	11/21/14	mg/kg	ND	0.0029 J	0.0053	0.0022 J	0.0047	0.0044	0.0067	ND	0.0027 J	0.012
	GDC-2-1.5	11/21/14	mg/kg	ND	0.0023 J	0.0054	0.0024 J	0.0041	0.0042	0.0050	ND	0.0021 J	0.011
	GDC-3-0.5	11/21/14	mg/kg	ND	0.0021 J	0.0042	0.0020 J	0.0038	0.0044	0.0052	ND	0.0017 J	0.0098
	GDC-3-1.5	11/21/14	mg/kg	ND	0.0013 J	0.0031	0.0013 J	0.0029	0.0026 J	0.0025 J	ND	ND	0.0055
	GDC-4-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-4-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-4-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-5-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-6-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-6-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-6-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Site 2 Commerce Drive	GDC-7-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-7-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-7-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-8-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-8-5	11/20/14	mg/kg	1.3	0.50 J	0.50 J	ND	ND	1.0	0.51 J	4.8	5.7	1.0
	GDC-8-5-DUP	11/20/14	mg/kg	1.2	0.41 J	0.51 J	ND	ND	0.91	ND	3.3	3.9	1.0
	GDC-8-10	11/20/14	mg/kg	1.5	0.37 J	ND	ND	ND	0.90	0.53 J	6.7	7.8	0.98
	GDC-9-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-9-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-9-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-10-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-1-DUP	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-11-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-12-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-12-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GDC-12-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

**Table 4**  
**Soil Analytical Results for Detected Polycyclic Aromatic Hydrocarbons**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Acenaphthene	Benzo[a]anthracene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
Site 3 California Avenue	GDC-13-1	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-13-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-13-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-1	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-5	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-14-10	11/21/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-15-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-15-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-15-5-DUP	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-15-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Site 4 Easton Drive	GDC-16-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-16-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-16-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-17-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-17-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-17-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-18-1	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GDC-18-5	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GDC-18-10	11/20/14	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
California EPA Industrial CHHSL			mg/kg	NA	NA	NA	NA	0.13	NA	NA	NA	NA	NA
EPA Industrial RSL			mg/kg	45000	2.9	2.9	29	0.29	290	30000	30000	NA	23000

**Notes**

- 1) "ND" Indicates constituent(s) not detected at or above method detection limit.
- 2) EPA = Environmental Protection Agency; CHHSL = California Human Health Screening Level; RSL = Regional Screening Level
- 3) mg/kg = milligrams per kilogram
- 4) J = Estimated value (above detection limit, but below reporting limit)
- 5) NA = Not applicable

**Table 5**  
**Soil Analytical Results for Metals**  
**Preliminary Site Investigation**  
**Centennial Corridor Project**  
**Bakersfield, California**

Site	Sample ID	Sample Date	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
Site 1 Langley Road	GDC-1-0.5	11/21/14	mg/kg	ND	6.2	66	0.21 J	ND	6.8	3.9	6.5	4.9	0.22 J	4.4	2.6	ND	0.85 J	25	35	ND
	GDC-1-1.5	11/21/14	mg/kg	ND	6.0	69	0.20 J	ND	7.1	4.1	6.8	5.4	0.41 J	4.9	2.9	ND	2.1 J	25	34	ND
	GDC-2-0.5	11/21/14	mg/kg	ND	10	100	0.27 J	ND	8.7	4.7	8.9	8.0	0.49 J	6.0	2.7	ND	1.6 J	29	43	0.050 J
	GDC-2-0.5-DUP	11/21/14	mg/kg	ND	13	110	0.31 J	ND	10	5.5	10	8.7	0.41 J	7.3	2.0	ND	1.8 J	33	51	0.072 J
	GDC-2-1.5	11/21/14	mg/kg	ND	10	93	0.26 J	ND	8.3	4.8	8.6	7.3	0.35 J	6.2	2.8	ND	0.80 J	30	44	0.047 J
	GDC-3-0.5	11/21/14	mg/kg	ND	16	110	0.33 J	ND	10	5.5	11	7.7	0.30 J	7.4	2.9	ND	1.8 J	34	50	0.087 J
GDC-3-1.5	11/21/14	mg/kg	ND	16	110	0.32 J	ND	9.9	5.4	10	6.7	0.26 J	6.9	3.0	ND	2.7 J	34	49	0.099 J	
Site 2 Commerce Drive	GDC-7-1	11/20/14	mg/kg	ND	7.1	110	0.32 J	ND	12	5.4	9.5	2.7	1.3 J	7.9	3.7	ND	2.7 J	33	44	ND
	GDC-8-1	11/20/14	mg/kg	ND	6.8	500	0.34 J	ND	13	5.7	12	12	1.0 J	15	2.8	ND	1.5 J	33	58	ND
	GDC-9-1	11/20/14	mg/kg	ND	6.1	100	0.33 J	ND	11	5.6	9.0	3.1	0.76 J	7.7	3.2	ND	1.5 J	33	44	ND
	GDC-10-1	11/20/14	mg/kg	ND	8.8	130	0.47 J	ND	13	6.5	17	3.9	1.9 J	9.1	2.7	ND	2.0 J	40	51	ND
	GDC-11-1	11/20/14	mg/kg	ND	6.1	120	0.36 J	ND	12	5.9	9.5	2.9	0.79 J	7.2	2.2	ND	1.6 J	36	48	ND
	GDC-11-1-DUP	11/20/14	mg/kg	ND	6.2	110	0.34 J	ND	11	5.8	8.8	2.7	1.1 J	6.9	2.9	ND	2.4 J	34	46	ND
GDC-12-1	11/20/14	mg/kg	ND	6.4	95	0.31 J	ND	11	5.3	8.2	2.5	3.0	6.9	3.3	ND	1.8 J	32	43	0.065 J	
California EPA Industrial CHHSL			mg/kg	380	0.24	63,000	1,700	7.5	100,000	3,200	38,000	320	4,800	16,000	4,800	4,800	63	6,700	100,000	180
10 x STLC			mg/kg	150	50	1,000	7.5	10	50	800	250	50	3,500	200	10	50	70	240	2,500	2
20 x TCLP			mg/kg	NA	100	2,000	NA	20	100	NA	NA	100	NA	NA	20	100	NA	NA	NA	4
TTLC			mg/kg	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
EPA Industrial RSL			mg/kg	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

**Notes**

- 1) "ND" Indicates constituent(s) not detected at or above method detection limit.
- 2) EPA = Environmental Protection Agency; CHHSL = California Human Health Screening Level; RSL = Regional Screening Level; STLC = Soluble Threshold Limit Concentration; TCLP = Toxicity Characteristic Leaching Procedure; TTLC = Total Threshold Limit Concentration
- 3) mg/kg = milligrams per kilogram
- 4) J = Estimated value (above detection limit, but below reporting limit)
- 5) NA = Not applicable

**APPENDIX A**



**APPENDIX A: Focused Initial Site Assessment Findings**

Parcel Number	Updated Parcel Owner (August 2013)	Type of Take (Aug 2013)	Property Type (ERM)	Street Number	Street Name	Site Name	Present Use / Notes	Rank	Rank Rationale	Number of Wells/Tanks Present	Potential Issue of Environmental Concern	Results of Research/Investigation/Field Visit (August-October 2013)	Sampling Required (Yes/No)
332-280-28	Alon Bakersfield Property Inc	Partial (22,446 SF)	Vacant	No Street Number	Langley Road	Vacant parcel	Part of refinery	1	Oil cake sand was found at the eastern and southwestern portion of the parcel. California oil, gas, and geothermal resources maps indicated that there are five active oil wells, one active injector well, and one plugged well on site. Suspected contamination from oil pumping activities	7 wells	Presence of oil cake sand, Presence of wells associated with oil production	The additional ROW acquired is for the proposed drainage basin. The ROW on Mohawk Street was already acquired for WSP.  Field visit indicated the presence of an oil well. While the area around the well has been disturbed by the construction of WSP, it looks like this well will have to be removed for the Centennial Project.  Entry permit is not required since it is owned by the City.	YES
020-600-02	C Baker LLC	Full	Commercial	4600	California Avenue	Commercial	Commercial property - retail	2	California oil, gas, and geothermal resources maps indicated that there is one active oil well on site. Suspected contamination from oil pumping activities.	1 well	Presence of well associated with oil production	The work involves constructing of a drainage basin.  Field visit indicated an active oil well is present. Sampling work is recommended; however, an entry permit is required for detailed inspection of the sampling location since the site is currently house an active commercial building.	YES
332-256-05	Timothy J Lewy	Partial (11,985 SF)	Industrial	No Street Number	Commerce Drive	Oil Pumping Station	Oil pumping station	2	California oil, gas, and geothermal resources maps indicated that there is one active oil well on site. Suspected contamination from oil pumping activities.	1 well	Presence of well associated with oil production	The work involves constructing a structure over Commerce Drive, constructing SR 58, constructing a retaining wall.  Field visit indicated an oil well present on site. The property was fenced. An entry permit is required for detailed inspection of the sampling location.	YES
332-332-20	L Stroope Prop Family L P	Full	Commercial	4800	Easton Drive	Absolute Home Loan	Commercial property - parking lot	2	The site reported three releases of oil and water from pipes leading to three off-site oil wells in 2007. The leaks were of oil and water. In 2000, crude oil leaked from an underground pipeline at this address. The site is listed in the database report as Titan Transportation, Inc. and was a handler of hazardous waste. California oil, gas, and geothermal resources maps indicated that there is one active oil well on site. Suspected contamination from oil pumping activities.	1 well	Presence of well associated with oil production, Presence of hazardous materials/wastes	The work involves constructing WB and EB (future) Route 58, constructing a retaining wall.  Field visit indicated an oil well present on site. The property was fenced. An entry permit is required for detailed inspection of the sampling location.	YES
149-221-15	Tony Padilla	Full	Residential	201	South Garnsey Avenue	Womack Construction, Inc.	Not clear until given permission to enter property	3	The site is listed on the Underground Storage Tank database as having one 550-gallon gasoline tank. No releases were reported for the site.	1 underground storage tank	Presence of underground storage tank	Full take with the presence of UST.  Field visit indicated this property is a private residence. An entry permit is required to conduct detailed inspection of the sampling location.	YES
147-112-07	Singh Jagjit/ Kaur Manjinder	Full	Commercial	720	Wible Road	Grocery Store / Larsons Food Store	Commercial property - Gasoline	3	Larsons Food Store is listed on the Underground Storage Tank database as having four underground storage tanks: two 10,000-gallon gasoline tanks, and two 6,000-gallon gasoline tanks. No releases were reported for the site.	4 underground storage tanks	Presence of underground storage tanks	The Wible Road/Belle terrace intersection will be elevated and this property will be demolished and regraded.  Field visit indicated a gas station is located here. The UST was reported being pulled out in 2012, but a new one was put in for current operation. Testing will likely be required. An entry permit is required to conduct detailed inspection of the sampling locations.	YES
149-180-03	California Water Service Co	Full	Public Land	3333	Stockdale Highway	California Water Service	Vacant with water utility facility	3	The site is listed in the database report as "California Water Service Co" and had one 285-gallon diesel underground storage tank installed in 1967. No releases were reported for the site.	1 underground storage tank	Presence of underground storage tank	The work involves constructing WB (Future) Route 58, 40 ft retaining wall, and adding fill slope.  Field visit indicated the site is completely fenced. An entry permit is required to conduct detailed inspection of the sampling location.	YES



**APPENDIX B**



# BORING RECORD

PROJECT NAME Centennial Corridor Preliminary Site Investigation			PROJECT NUMBER EN047		HOLE ID <b>GDC-1</b>
SITE LOCATION Bakersfield, CA			START 11/20/14	FINISH 11/20/14	SHEET NO. 1 of 1
DRILLING COMPANY Millenium Environmental		DRILL RIG GeoProbe 6600	DRILLING METHOD		LOGGED BY K. Garcia
HAMMER TYPE (WEIGHT/DROP)		HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)
				1.5	391.6
DRIVE SAMPLER TYPE(S) & SIZE (ID)			NOTES		DEPTH/ELEV. GW (ft)
					∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
															<p>Silty Sand (SM); light brown; dry; mostly very fine SAND; some fines; nonplastic.</p> <p>PID = 0.0</p>
	390		1-1												<p>PID = 0.0 Boring terminated at 1.5 ft. below ground surface Groundwater not encountered</p>

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14



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**FIGURE**  
**Appendix B**



# BORING RECORD

PROJECT NAME Centennial Corridor Preliminary Site Investigation			PROJECT NUMBER EN047		HOLE ID <b>GDC-3</b>
SITE LOCATION Bakersfield, CA			START 11/20/14	FINISH 11/20/14	SHEET NO. 1 of 1
DRILLING COMPANY Millenium Environmental		DRILL RIG GeoProbe 6600	DRILLING METHOD		LOGGED BY K. Garcia
HAMMER TYPE (WEIGHT/DROP)		HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)
				1.5	391.3
DRIVE SAMPLER TYPE(S) & SIZE (ID)			NOTES		DEPTH/ELEV. GW (ft)
					∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	390	3-1													<p>Silty Sand (SM); light brown; dry; mostly very fine SAND; some fines; nonplastic.</p> <p>PID = 0.0</p>
															<p>PID = 0.0 Boring terminated at 1.5 ft. below ground surface Groundwater not encountered</p>

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**FIGURE**  
**Appendix B**

# BORING RECORD

PROJECT NAME: Centennial Corridor Preliminary Site Investigation  
 PROJECT NUMBER: EN047  
 HOLE ID: GDC-4

SITE LOCATION: Bakersfield, CA  
 START: 11/20/14  
 FINISH: 11/20/14  
 SHEET NO.: 1 of 1

DRILLING COMPANY: Millenium Environmental  
 DRILL RIG: GeoProbe 6600  
 DRILLING METHOD:  
 LOGGED BY: K. Garcia  
 CHECKED BY: T. Otis

HAMMER TYPE (WEIGHT/DROP):  
 HAMMER EFFICIENCY (ERI):  
 BORING DIA. (in):  
 TOTAL DEPTH (ft): 10  
 GROUND ELEV (ft): 390.8  
 DEPTH/ELEV. GW (ft): ∇ NE / NM DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID):  
 NOTES:  
 AFTER DRILLING: ∇ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
390		D	4-1												Silty Sand (SM); light brown; dry; mostly very fine SAND; some fines; nonplastic.  PID = 0.0
5		D	4-5												PID = 0.0 Fine SAND; decrease in fines.
10		D	4-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered
380															

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**FIGURE**  
**Appendix B**

# BORING RECORD

PROJECT NAME: Centennial Corridor Preliminary Site Investigation  
 PROJECT NUMBER: EN047  
 HOLE ID: GDC-5

SITE LOCATION: Bakersfield, CA  
 START: 11/20/14  
 FINISH: 11/20/14  
 SHEET NO.: 1 of 1

DRILLING COMPANY: Millenium Environmental  
 DRILL RIG: GeoProbe 6600  
 DRILLING METHOD:  
 LOGGED BY: K. Garcia  
 CHECKED BY: T. Otis

HAMMER TYPE (WEIGHT/DROP):  
 HAMMER EFFICIENCY (ERI):  
 BORING DIA. (in):  
 TOTAL DEPTH (ft): 10  
 GROUND ELEV (ft): 390.6  
 DEPTH/ELEV. GW (ft): ∇ NE / NM DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID):  
 NOTES:  
 AFTER DRILLING: ∇ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
390			5-1												Silty Sand (SM); light brown; dry; mostly very fine SAND; some fines; nonplastic.  PID = 0.0
5			5-5												PID = 0.0 Fine SAND; decrease in fines.
10			5-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered
380															

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**FIGURE**  
**Appendix B**

# BORING RECORD

PROJECT NAME: Centennial Corridor Preliminary Site Investigation  
 PROJECT NUMBER: EN047  
 HOLE ID: GDC-6

SITE LOCATION: Bakersfield, CA  
 START: 11/20/14  
 FINISH: 11/20/14  
 SHEET NO.: 1 of 1

DRILLING COMPANY: Millenium Environmental  
 DRILL RIG: GeoProbe 6600  
 DRILLING METHOD:  
 LOGGED BY: K. Garcia  
 CHECKED BY: T. Otis

HAMMER TYPE (WEIGHT/DROP):  
 HAMMER EFFICIENCY (ERI):  
 BORING DIA. (in):  
 TOTAL DEPTH (ft): 10  
 GROUND ELEV (ft): 390.6  
 DEPTH/ELEV. GW (ft): ∇ NE / NM DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID):  
 NOTES:  
 AFTER DRILLING: ∇ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
390			6-1												Silty Sand (SM); light brown; dry; mostly very fine SAND; some fines; nonplastic.  PID = 0.0
5			6-5												PID = 0.0 Fine SAND; decrease in fines.
10			6-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-7</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
			<b>LOGGED BY</b> K. Garcia		<b>CHECKED BY</b> T. Otis
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b>
					10
			<b>GROUND ELEV (ft)</b>		<b>DEPTH/ELEV. GW (ft)</b>
			399.8		∇ NE / NM DURING DRILLING
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		
			∇ / NM AFTER DRILLING		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	395		7-1												Silty SAND (SM); brown; dry; mostly fine SAND; some fines; few fine GRAVEL.  PID = 0.0
			7-5												PID = 0.0
10	390		7-10											Lean CLAY (CL); gray; moist; mostly fines; few medium SAND; trace fine GRAVEL; medium plasticity.	
															PID=1.1 ppm Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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**FIGURE**  
**Appendix B**

# BORING RECORD

PROJECT NAME Centennial Corridor Preliminary Site Investigation			PROJECT NUMBER EN047		HOLE ID <b>GDC-8</b>
SITE LOCATION Bakersfield, CA			START 11/20/14	FINISH 11/20/14	SHEET NO. 1 of 1
DRILLING COMPANY Millenium Environmental		DRILL RIG GeoProbe 6600	DRILLING METHOD		LOGGED BY K. Garcia
HAMMER TYPE (WEIGHT/DROP)		HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)
				10	399.9
DRIVE SAMPLER TYPE(S) & SIZE (ID)			NOTES		DEPTH/ELEV. GW (ft)
					∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			8-1												Silty SAND (SM); brown; dry; mostly fine SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
5	395		8-5												Lean CLAY (CL); gray; moist; mostly fines; few medium SAND; medium plasticity.  PID=12.1 ppm
10	390		8-10												PID=5.2 ppm Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-9</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
<b>HAMMER TYPE (WEIGHT/DROP)</b>			<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>TOTAL DEPTH (ft)</b> 10
<b>LOGGED BY</b> K. Garcia			<b>CHECKED BY</b> T. Otis		<b>GROUND ELEV (ft)</b> 400.1
<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM			<b>DURING DRILLING</b>		<b>AFTER DRILLING</b> ▼ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
4.00	400		9-1												Silty SAND (SM); brown; dry; mostly medium SAND; some fines; trace fine GRAVEL.  PID = 0.0
5.00	395		9-5												PID = 0.0 Moist; little fines.
10.00	390		9-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14



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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-10</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 10	<b>GROUND ELEV (ft)</b> 399.9
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	395		10-1												Silty SAND (SM); brown; dry; mostly medium SAND; some fines; trace fine GRAVEL.  PID = 0.0
			10-5												PID = 0.0 Moist; little fines.
10	390		10-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation		<b>PROJECT NUMBER</b> EN047	<b>HOLE ID</b> <b>GDC-11</b>
<b>SITE LOCATION</b> Bakersfield, CA		<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>		<b>TOTAL DEPTH (ft)</b> 10	<b>GROUND ELEV (ft)</b> 399.7
<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING	

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	395		11-1												Silty SAND (SM); brown; dry; mostly medium SAND; some fines; trace fine GRAVEL.  PID = 0.0
			11-5												PID = 0.0 Moist; little fines.
10	390		11-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-12</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 10	<b>GROUND ELEV (ft)</b> 399.7
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	395	D	12-1												Silty SAND (SM); brown; dry; mostly medium SAND; some fines; trace fine GRAVEL.  PID = 0.0
		D	12-5												PID = 0.0 Moist; little fines.
10	390	D	12-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-13</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 10	<b>GROUND ELEV (ft)</b> 397.0
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	395		13-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
5	390		13-5												PID = 0.0
10			13-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14



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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-14</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
<b>HAMMER TYPE (WEIGHT/DROP)</b>			<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>TOTAL DEPTH (ft)</b> 10
<b>LOGGED BY</b> K. Garcia			<b>CHECKED BY</b> T. Otis		<b>GROUND ELEV (ft)</b> 369.9
<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM			<b>DURING DRILLING</b>		<b>AFTER DRILLING</b> ∇ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	365		14-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
			14-5												PID = 0.0
10	360		14-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-15</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 10	<b>GROUND ELEV (ft)</b> 369.8
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	365		15-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
			15-5												PID = 0.0
10	360		15-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

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**GROUP DELTA CONSULTANTS**  
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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-16</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
<b>HAMMER TYPE (WEIGHT/DROP)</b>			<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>TOTAL DEPTH (ft)</b> 10
<b>LOGGED BY</b> K. Garcia			<b>CHECKED BY</b> T. Otis		<b>GROUND ELEV (ft)</b> 400.2
<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM			<b>DURING DRILLING</b>		<b>AFTER DRILLING</b> ▼ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
400			16-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
5	395		16-5												PID = 0.0
10	390		16-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14



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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> GDC-17
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
<b>HAMMER TYPE (WEIGHT/DROP)</b>			<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>TOTAL DEPTH (ft)</b> 10
<b>LOGGED BY</b> K. Garcia			<b>CHECKED BY</b> T. Otis		<b>GROUND ELEV (ft)</b> 400.1
<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM			<b>DURING DRILLING</b>		<b>AFTER DRILLING</b> ▼ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
400			17-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
5	395		17-5												PID = 0.0
10	390		17-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14



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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-18</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/20/14	<b>FINISH</b> 11/20/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
<b>HAMMER TYPE (WEIGHT/DROP)</b>			<b>HAMMER EFFICIENCY (ERI)</b>		<b>BORING DIA. (in)</b>
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>TOTAL DEPTH (ft)</b> 10
<b>LOGGED BY</b> K. Garcia			<b>CHECKED BY</b> T. Otis		<b>GROUND ELEV (ft)</b> 400.1
<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM			<b>DURING DRILLING</b>		<b>AFTER DRILLING</b> ▼ / NM

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
4.00	400	D	18-1												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; trace fine GRAVEL; nonplastic.  PID = 0.0
5.00	395	D	18-5												PID = 0.0
10.00	390	D	18-10												PID = 0.0 Boring terminated at 10.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT 12/19/14



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32 Mauchly, Suite B  
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**FIGURE**  
**Appendix B**

<b>BORING RECORD</b>					PROJECT NAME Centennial Corridor Preliminary Site Investigation			PROJECT NUMBER EN047		HOLE ID <b>GDC-21</b>	
DIST.	CO.	ROUTE	POSTMILE	BRIDGE NO.	CT PROJECT NUMBER & PHASE			START 12/17/14	FINISH 12/17/14	SHEET NO. 1 of 1	
SITE LOCATION Bakersfield, CA				BOREHOLE LOCATION (Lat/Long or North/East and Datum)				BOREHOLE LOCATION (Offset, Station, Line)			
DRILLING COMPANY Millenium Environmental			DRILL RIG GeoProbe 6600		DRILLING METHOD			LOGGED BY K. Garcia		CHECKED BY T. Otis	
HAMMER TYPE (WEIGHT/DROP)			HAMMER EFFICIENCY (ER)		BORING DIA. (in)		TOTAL DEPTH (ft) 15	GROUND ELEV (ft) 391.4 NAVD88		DEPTH/ELEV. GW (ft) ▽ NE / NE DURING DRILLING	
DRIVE SAMPLER TYPE(S) & SIZE (ID)				NOTES			BOREHOLE BACKFILL & COMPLETION			AFTER DRILLING ▼ / NE	

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N <sub>60</sub>	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	390	D	21-5												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; few fine GRAVEL; nonplastic.  PID = 0.0
10	385	D	21-10												Mostly fine SAND; few fines; no GRAVEL. PID = 0.0
15	380	D	21-15												Mostly medium SAND; some fines. PID = 0.0 Boring terminated at 15.0 ft. below ground surface Groundwater not encountered

GDC CT LOG BORING 2013 EN047.GPJ\_GDC2013.GDT 1/5/15



**GROUP DELTA CONSULTANTS, INC.**  
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**FIGURE**  
**Appendix B**

BORING RECORD					PROJECT NAME				PROJECT NUMBER		HOLE ID							
Centennial Corridor Preliminary Site Investigation					EN047		GDC-22		DIST.	CO.	ROUTE	POSTMILE	BRIDGE NO.	CT PROJECT NUMBER & PHASE		START	FINISH	SHEET NO.
Bakersfield, CA					Bakersfield, CA				12/17/14		12/17/14		1 of 1					
Millenium Environmental					GeoProbe 6600		K. Garcia		T. Otis									
HAMMER TYPE (WEIGHT/DROP)					HAMMER EFFICIENCY (ER)		BORING DIA. (in)		TOTAL DEPTH (ft)		GROUND ELEV (ft)		DEPTH/ELEV. GW (ft)					
DRIVE SAMPLER TYPE(S) & SIZE (ID)					NOTES		BOREHOLE BACKFILL & COMPLETION		15		391.5 NAVD88		∇ NE / NE DURING DRILLING					
											∇ / NE		AFTER DRILLING					
DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N <sub>60</sub>	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION			
5	390	⊔	22-5												Silty SAND (SM); brown; moist; mostly medium SAND; some fines; few fine GRAVEL; nonplastic.  PID = 0.0 ppm			
10	385	⊔	22-10												Mostly fine SAND; few fines; no GRAVEL. PID = 0.0 ppm			
15	380	⊔	22-15												Mostly medium SAND; some fines. PID = 0.0 ppm Boring terminated at 15.0 ft. below ground surface Groundwater not encountered.			

GDC CT LOG BORING\_2013 EN047.GPJ\_GDC2013.GDT 1/5/15



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**FIGURE**  
**Appendix B**

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-23</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
			<b>LOGGED BY</b> K. Garcia		<b>CHECKED BY</b> T. Otis
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 5	<b>GROUND ELEV (ft)</b> 387.2
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		
			DURING DRILLING: ∇ NE / NM AFTER DRILLING: ▼ / NM		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385	D	23-1												Poorly-Graded SAND (SP); tan; dry; mostly medium SAND; few fines; nonplastic.  PID = 0.0
		D	23-5												PID = 0.0 Boring terminated at 5.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-24</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
			<b>LOGGED BY</b> K. Garcia		<b>CHECKED BY</b> T. Otis
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ER)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 5	<b>GROUND ELEV (ft)</b> 387.2
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		
			DURING DRILLING: ∇ NE / NM AFTER DRILLING: ▼ / NM		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385		24-1												Poorly-Graded SAND (SP); tan; dry; mostly medium SAND; few fines; nonplastic.
			24-5												PID = 0.0
															PID = 0.0 Boring terminated at 5.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	GROUP DELTA CONSULTANTS 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	FIGURE Appendix B
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-25</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600		<b>DRILLING METHOD</b>	
			<b>LOGGED BY</b> K. Garcia		<b>CHECKED BY</b> T. Otis
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 15	<b>GROUND ELEV (ft)</b> 387.3
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		
			DURING DRILLING: ∇ NE / NM AFTER DRILLING: ▼ / NM		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385		25-1												Silty SAND with GRAVEL (SM); brown; moist; mostly medium SAND; some fines; few fine-coarse GRAVEL; nonplastic.  PID = 0.0
10	380		25-5												PID = 0.0 Mostly fine SAND; few fine GRAVEL.
15	375		25-10												PID = 0.0 Boring terminated at 15.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

PROJECT NAME Centennial Corridor Preliminary Site Investigation		PROJECT NUMBER EN047	HOLE ID <b>GDC-26</b>
SITE LOCATION Bakersfield, CA		START 11/21/14	FINISH 11/21/14
DRILLING COMPANY Millenium Environmental		DRILL RIG GeoProbe 6600	DRILLING METHOD
LOGGED BY K. Garcia		CHECKED BY T. Otis	
SHEET NO. 1 of 1			
HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)
			15
GROUND ELEV (ft)		DEPTH/ELEV. GW (ft)	
387.3		▽ NE / NM DURING DRILLING	
DRIVE SAMPLER TYPE(S) & SIZE (ID)		NOTES	
		▼ / NM AFTER DRILLING	

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385	D	26-1												Silty SAND with GRAVEL (SM); brown; moist; mostly medium SAND; some fines; few fine-coarse GRAVEL; nonplastic.  PID = 0.0
10	380	D	26-5												PID = 0.0 Mostly fine SAND; few fine GRAVEL.
15	375	D	26-10												PID = 0.0 Boring terminated at 15.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-27</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ER)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 15	<b>GROUND ELEV (ft)</b> 387.4
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385		27-1												Silty SAND with GRAVEL (SM); brown; moist; mostly medium SAND; some fines; few fine-coarse GRAVEL; nonplastic.  PID = 0.0
10	380		27-5												PID = 0.0 Mostly fine SAND; few fine GRAVEL.
15	375		27-10												PID = 0.0 Boring terminated at 15.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>

# BORING RECORD

<b>PROJECT NAME</b> Centennial Corridor Preliminary Site Investigation			<b>PROJECT NUMBER</b> EN047		<b>HOLE ID</b> <b>GDC-28</b>
<b>SITE LOCATION</b> Bakersfield, CA			<b>START</b> 11/21/14	<b>FINISH</b> 11/21/14	<b>SHEET NO.</b> 1 of 1
<b>DRILLING COMPANY</b> Millenium Environmental		<b>DRILL RIG</b> GeoProbe 6600	<b>DRILLING METHOD</b>		<b>LOGGED BY</b> K. Garcia
<b>HAMMER TYPE (WEIGHT/DROP)</b>		<b>HAMMER EFFICIENCY (ERI)</b>	<b>BORING DIA. (in)</b>	<b>TOTAL DEPTH (ft)</b> 15	<b>GROUND ELEV (ft)</b> 387.3
<b>DRIVE SAMPLER TYPE(S) &amp; SIZE (ID)</b>			<b>NOTES</b>		<b>DEPTH/ELEV. GW (ft)</b> ∇ NE / NM DURING DRILLING ▼ / NM AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	SPT N <sub>60</sub>	RECOVERY (%)	ROD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
5	385		28-1												Silty SAND with GRAVEL (SM); brown; moist; mostly medium SAND; some fines; few fine-coarse GRAVEL; nonplastic.  PID = 0.0
10	380		28-5												PID = 0.0 Mostly fine SAND; few fine GRAVEL.
15	375		28-10												PID = 0.0 Boring terminated at 15.0 ft. below ground surface Groundwater not encountered

GDC\_LOG\_BORING\_2013\_EN047.GPJ\_GDC2013.GDT\_12/19/14

	<b>GROUP DELTA CONSULTANTS</b> 32 Mauchly, Suite B Irvine, CA 92688	THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.	<b>FIGURE</b>  <b>Appendix B</b>
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**APPENDIX C**





Date of Report: 12/08/2014

Jack Packwood

Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Client Project: [none]  
BCL Project: EN047  
BCL Work Order: 1427819  
Invoice ID: B190458

Enclosed are the results of analyses for samples received by the laboratory on 11/20/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

\_\_\_\_\_  
Contact Person: Christina Herndon  
Client Service Rep

\_\_\_\_\_  
Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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Total Petroleum Hydrocarbons.....	35
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 Total Concentrations (TTL)..... 130  
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Chain of Custody Form \*5 DAY RUSH



Laboratories, Inc.

Report To: Group Delta Project #: EN047  
 Client: Jack Packwood Project Name:  
 Attn: Jack Packwood  
 Street Address: 1035 S. Mulliken Suite 6  
 City, State, Zip: Ontario CA 91761 Sampler(s): GDC  
 Phone: 909-295-5558 Fax: 909-295-5552  
 Email Address: jackp@groupdelta.com  
 Work Order #: 14-27819

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Analysis Requested

Comments:

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested										Turnaround # of work days*	Notes
				Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	VOCs	PAHs	Metals (various)	TPH-CC (oil/water)		
1	GDC-6-1	11/20/14	8:01	X	X	X	X	X	X	X	X	X	X	3	
2	GDC-6-5	11/20/14	8:12	X	X	X	X	X	X	X	X	X	X		
3	GDC-6-10	11/20/14	8:20	X	X	X	X	X	X	X	X	X	X		
4	GDC-5-1	11/20/14	8:40	X	X	X	X	X	X	X	X	X	X		
5	GDC-5-5	11/20/14	8:51	X	X	X	X	X	X	X	X	X	X		
6	GDC-5-10	11/20/14	8:59	X	X	X	X	X	X	X	X	X	X		
7	GDC-4-1	11/20/14	9:11	X	X	X	X	X	X	X	X	X	X		
8	GDC-4-5	11/20/14	9:20	X	X	X	X	X	X	X	X	X	X		
9	GDC-4-10	11/20/14	9:30	X	X	X	X	X	X	X	X	X	X		
10	GDC-9-1	11/20/14	10:30	X	X	X	X	X	X	X	X	X	X		
11	GDC-9-5	11/20/14	10:40	X	X	X	X	X	X	X	X	X	X		
12	GDC-9-10	11/20/14	10:50	X	X	X	X	X	X	X	X	X	X		
13	GDC-10-1	11/20/14	11:20	X	X	X	X	X	X	X	X	X	X		
14	GDC-10-5	11/20/14	11:30	X	X	X	X	X	X	X	X	X	X		

CHK DISTRICTION SUB-OUT

Global ID (Needed for EDF): \_\_\_\_\_ System # (Needed for EDT): \_\_\_\_\_

EDF Required? Geotracker  Yes  No

Send Copy to State of CA? (EDT)  Yes  No

Client: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Attn: \_\_\_\_\_ PO#: \_\_\_\_\_

1. Relinquished By: \_\_\_\_\_ Date: 11-20-14 Time: 10:00

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: 11-20-14 Time: 10:00

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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Chain of Custody Form

Laboratories, Inc.



Report To: **Group Delta** Project #: **ENV 47** Page **2** of **3**

Client: **Jack Lockwood** Project Name: \_\_\_\_\_

Attn: **Jack Lockwood** Street Address: **1075 S. Mulliken Suite G**

City, State, Zip: **Ontario, CA 91761** Sampler(s): **GDC**

Phone: **909 245 5550** Fax: **909 245 5552**

Email Address: **jack@groupdelta.com**

Work Order #: **14-27819**

Sample #	Description	Date Sampled	Time Sampled	Analysis Requested	Global ID (Needed for EDF)	EDF Required? Geotracker	Send Copy to State of CA? (EDT)
-15	GDC-10-10	11/20/14	11:38	VOCs, PCBs, PAHs, Metals		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-16	GDC-11-1	11/20/14	12:10			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-17	GDC-11-1-DUP	11/20/14	12:11			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-18	GDC-11-5	11/20/14	12:35			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-19	GDC-11-10	11/20/14	12:45			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-20	GDC-12-1	11/20/14	12:58			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-21	GDC-12-5	11/20/14	1:09			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-22	GDC-12-10	11/20/14	1:15			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-23	GDC-7-1	11/20/14	1:28			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-24	GDC-7-5	11/20/14	1:40			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-25	GDC-7-10	11/20/14	1:51			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-26	GDC-8-1	11/20/14	2:10			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-27	GDC-8-5	11/20/14	2:20			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
-28	GDC-8-5-DUP	11/20/14	2:21			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Global ID (Needed for EDF): \_\_\_\_\_

EDF Required? Geotracker:  Same as above

Send Copy to State of CA? (EDT):  Yes  No

Client: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Attn: \_\_\_\_\_ PO#: \_\_\_\_\_

1. Relinquished By: \_\_\_\_\_ Date: 11/20/14 Time: 2:00

2. Relinquished By: \_\_\_\_\_ Date: 11/20/14 Time: 2:10

3. Relinquished By: \_\_\_\_\_ Date: 11/20/14 Time: 2:10

Global ID (Needed for EDT): \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: 11/20/14 Time: 2:10

2. Received By: \_\_\_\_\_ Date: 11/20/14 Time: 2:10

3. Received By: \_\_\_\_\_ Date: 11/20/14 Time: 2:10

System # (Needed for EDT): \_\_\_\_\_

Are there any tests with holding times less than or equal to 48 hours?  Yes  No

\* Standard Turnaround = 10 work days

Comments: \_\_\_\_\_

Sample Matrix: \_\_\_\_\_

Turnaround # of work days: \_\_\_\_\_

Notes: \_\_\_\_\_

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Chain of Custody Form



Laboratories, Inc.

Report To: **Group Delta** Project #: **EN047**  
 Client: **Jack Buckwood** Project Name:  
 Attn: **Jack Buckwood**  
 Street Address: **1035 S. Milliken Suite G**  
 City, State, Zip: **Duarte, CA 91761** Sampler(s): **GDC**  
 Phone: **909-295-5550** Fax: **909-295-5552**  
 Email Address: **jack@groupdelta.com**  
 Work Order #: **14-27819**

Page 3 of 3

Analysis Requested

Soils  
 Drinking Water  
 Ground Water  
 Wastewater  
 Other

Turnaround # of work days: **9**

Are there any tests with holding times less than or equal to 48 hours?  
 Yes  No

\* Standard Turnaround = 10 work days

Notes

Sample #	Description	Date Sampled	Time Sampled	EDF Required? Geotracker	Global ID (Needed for EDF)	Relinquished By	Date	Time	Relinquished By	Date	Time
29	GDC-8-10	11/20/14	2:31	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
30	GDC-16-1	11/20/14	3:15	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
31	GDC-16-5	11/20/14	3:29	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
32	GDC-16-10	11/20/14	3:35	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
33	GDC-17-1	11/20/14	3:46	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
34	GDC-17-5	11/20/14	3:59	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
35	GDC-17-10	11/20/14	4:12	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
36	GDC-18-1	11/20/14	4:31	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
37	GDC-18-5	11/20/14	4:45	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
38	GDC-18-10	11/20/14	5:00	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
39	GDC-15-1	11/20/14	5:16	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
40	GDC-15-5	11/20/14	5:27	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
41	GDC-15-5-DUP	11/20/14	5:28	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			
42	GDC-15-10	11/20/14	5:40	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/20/14	14:40			

System # (Needed for EDT)

Global ID (Needed for EDF)

EDF Required? Geotracker  Yes  No

Send Copy to State of CA? (EDT)  Yes  No

Client: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Attn: \_\_\_\_\_ PO#: \_\_\_\_\_

1. Relinquished By: \_\_\_\_\_ Date: 11/20/14 Time: 14:40

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

1. Received By: \_\_\_\_\_ Date: 11/20/14 Time: 14:40

2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 of 10

Submission #: 14-27819

SHIPPING INFORMATION
Federal Express [ ] UPS [ ] Hand Delivery [x]
BC Lab Field Service [ ] Other [ ] (Specify)

SHIPPING CONTAINER
Ice Chest [x] None [ ] Box [ ]
Other [ ] (Specify)

FREE LIQUID
YES [ ] NO [ ]

Refrigerant: Ice [x] Blue Ice [ ] None [ ] Other [ ] Comments:

Custody Seals Ice Chest [ ] Containers [ ] None [x] Comments:
Intact? Yes [ ] No [ ] Intact? Yes [ ] No [ ]

All samples received? Yes [x] No [ ] All samples containers intact? Yes [x] No [ ] Description(s) match COC? Yes [x] No [ ]

COC Received YES [x] NO [ ] Emissivity: 0.97 Container: VOA Thermometer ID: 708 Date/Time: 11/20/14 2:40
Temperature: (A) 1.2 °C (C) 1.4 °C Analyst Init: KIB

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various test types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten sample numbers are present in the bottom row.

Comments: Sample Numbering Completed By: [Signature] Date/Time: 11/20/14 15:21 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC]
A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 5 of 13

Submission #: 14-27819 SHIPPING INFORMATION SHIPPING CONTAINER FREE LIQUID

Refrigerant: Ice [checked] Blue Ice [ ] None [ ] Other [ ] Comments: Custody Seals Ice Chest [ ] Containers [ ] None [checked] Comments:

All samples received? Yes [checked] No [ ] All samples containers intact? Yes [checked] No [ ] Description(s) match COC? Yes [checked] No [ ]

COC Received YES [checked] NO [ ] Emissivity: 0.97 Container: VOA Thermometer ID: 1008 Date/Time: 11/20/14 2140 Analyst Init: KIB

Table with columns for Sample Containers and Sample Numbers (1-20). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten 'ABCID' is present in the bottom row.

Comments: Sample Numbering Completed By: [Signature] Date/Time: 11/20/14 1521 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC] A = Actual / C = Corrected



BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 18 09/04/14 Page 5 of 13

Submission #: 14-27819

**SHIPPING INFORMATION** Federal Express  UPS  Hand Delivery  BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER** Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_

**FREE LIQUID** YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_

Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received** YES  NO

Emissivity: 0.97 Container: VOA Thermometer ID: 208 Date/Time: 11/20/14 2:40

Temperature: (A) 1.7 °C / (C) 1.4 °C Analyst Init: KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	21	22	23	24	25	26	27	28	29	30
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_

Sample Numbering Completed By: Cu Date/Time: 11/20/14 1522 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\ISAMREC)

A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 7 of 10

Submission #: 14-27819 SHIPPING INFORMATION SHIPPING CONTAINER FREE LIQUID

Refrigerant: Ice [X] Blue Ice [ ] None [ ] Other [ ] Comments: Custody Seals Ice Chest [ ] Containers [ ] None [X] Comments:

All samples received? Yes [X] No [ ] All samples containers intact? Yes [X] No [ ] Description(s) match COC? Yes [X] No [ ] COC Received YES [X] NO [ ] Emissivity: 0.97 Container: VOA Thermometer ID: 108 Date/Time: 11/20/14 2:40 Analyst Init: KIB

Table with columns for Sample Containers and Sample Numbers (31-40). Rows include various test types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc.

Comments: Sample Numbering Completed By: CA Date/Time: 11/20/14 15:21 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC) A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 5 of 10

Submission #: 14-27819

<b>SHIPPING INFORMATION</b> Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input checked="" type="checkbox"/> BC Lab Field Service <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		<b>SHIPPING CONTAINER</b> Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		<b>FREE LIQUID</b> YES <input type="checkbox"/> NO <input type="checkbox"/>
--	--	---	--	--

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  YES  NO Emissivity: 0.97 Container: VOA Thermometer ID: 208 Date/Time: 11/20/14 2140  
 Temperature: (A) 1.2 °C / (C) 1.4 °C Analyst Init: KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK			A							
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT			A B C D	A B C D						
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: Cin Date/Time: 11/20/14 1520 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC]  
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 9 of 10

Submission #: 14-27819

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES  NO

Emissivity: +0.2°C Container: 5 Sleeve Thermometer ID: 120 Date/Time: 11/20/14 2140  
 Temperature: (A) 2.0 °C / (C) 3.0 °C Analyst Init: KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE /NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
1/2 OZ. JAR										
SOIL SLEEVE	E	E	E	E	E	E	E	E	E	E
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: CB Date/Time: 11/20 11/20/14  
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 10 of 10

Submission #: 14-27819

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES  NO

Emissivity: +0.2° Container: 5 Slane Thermometer ID: 228 Date/Time 11/20/14 2:10  
 Temperature: (A) 7.8 °C / (C) 3.0 °C Analyst Init ICJB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE /NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
1/2 OZ. JAR	E	E	E	E	F	E	E	E	E	E
SOIL SLEEVE		E			F				E	
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_ Date/Time: 11/20/14 1:50 Doc\WordPerfect\LAB\_DOCS\FORMS\SAMREC\

Sample Numbering Completed By: COZ

A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 8 Of 10

Submission #: 14-27819

SHIPPING INFORMATION Federal Express [ ] UPS [ ] Hand Delivery [x] BC Lab Field Service [ ] Other [ ] (Specify) \_\_\_\_\_

SHIPPING CONTAINER Ice Chest [x] None [ ] Box [ ] Other [ ] (Specify) \_\_\_\_\_

FREE LIQUID YES [ ] NO [ ]

Refrigerant: Ice [x] Blue Ice [ ] None [ ] Other [ ] Comments: \_\_\_\_\_

Custody Seals Ice Chest [ ] Containers [ ] None [x] Intact? Yes [ ] No [ ]

All samples received? Yes [x] No [ ] All samples containers intact? Yes [x] No [ ] Description(s) match COC? Yes [x] No [ ]

COC Received YES [x] NO [ ] Emissivity: +0.2° Container: 5 Slan Thermometer ID: 228 Date/Time 11/20/14 2:19 Analyst Init KCB Temperature: (A) 7.8 °C (C) 3.0 °C

Table with columns for Sample Containers and Sample Numbers (21-30). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc.

Comments: \_\_\_\_\_ Sample Numbering Completed By: [Signature] Date/Time: 11/21/14 1:50 DocID: WordPerfect\LAB\_DOCS\FORMS\SAMRECJ A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 9 Of 10

Submission #: 14-27819

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES  NO

Emissivity: +0.2° Container: 5 Slant Thermometer ID: 228 Date/Time 11/20/14 2:14  
 Temperature: (A) 7.8 °C / (C) 3.0 °C Analyst Init ICB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	31	32	33	34	35	36	37	38	39	40
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
1/2 OZ. JAR										
SOIL SLEEVE	E	E	E	E	E	E	E	E	E	E
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: CA Date/Time: 11/20/14 1:50  
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 10 of 10

Submission #: 14-27819

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  YES  NO  
 Emissivity: +0.2°C Container: 5 Sleeve Thermometer ID: 128 Date/Time: 11/20/14 2140  
 Temperature: (A) 2.0 °C / (C) 3.0 °C Analyst Init: HIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
1/2 OZ. JAR		E								
SOIL SLEEVE			E							
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: CB Date/Time: 1520 11/20/14  
 A = Actual / C = Corrected



Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:01
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-6-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:12
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-6-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-6-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-5-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:51
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-5-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 08:59
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-5-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 09:11
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-4-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-08	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 09:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-4-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-09	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 09:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-4-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-10	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 10:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-9-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-11	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 10:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-9-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-12	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 10:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-9-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-13	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 11:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-10-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-14	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 11:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-10-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-15	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 11:38
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-10-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-16	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 12:10
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-11-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-17	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 12:11
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-11-1-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-18	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 12:35
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-11-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-19	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 12:35
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-11-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-20	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 12:58
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-12-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
1427819-21	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 13:09
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-12-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-22	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 13:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-12-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-23	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 13:28
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-7-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-24	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 13:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-7-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-25	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 13:51
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-7-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-26	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 14:10
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-8-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-27	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 14:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-8-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-28	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 14:21
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-8-5-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-29	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 14:31
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-8-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-30	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 15:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-16-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-31	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 15:29
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-16-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-32	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 15:35
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-16-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-33	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 15:46
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-17-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-34	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 15:59
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-17-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-35	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 16:12
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-17-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-36	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 16:31
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-18-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-37	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 16:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-18-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-38	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 17:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-18-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-39	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 17:16
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-15-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-40	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 17:27
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-15-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-41	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 17:28
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-15-5-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			
1427819-42	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 17:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-15-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Soil
	<hr/>			

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427819-43	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/20/2014 21:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	Travel Blank	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	---	<b>Sample Type:</b>	Trip Blank

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-01	<b>Client Sample Name:</b> GDC-6-1, 11/20/2014 8:01:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00038	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00066	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00026	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00074	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00041	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00070	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00041	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00074	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00035	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-01		Client Sample Name: GDC-6-1, 11/20/2014 8:01:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00070	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0041	0.00098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00086	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00082	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00066	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0020	0.00066	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0041	0.0014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00090	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-01	<b>Client Sample Name:</b> GDC-6-1, 11/20/2014 8:01:00AM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/04/14	12/04/14 14:19	ADC	MS-V3	0.410	BXL0595

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-01	<b>Client Sample Name:</b> GDC-6-1, 11/20/2014 8:01:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	63.3	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	56.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	63.1	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 12:03	MK1	MS-B4	0.966	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-01		Client Sample Name: GDC-6-1, 11/20/2014 8:01:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	71.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 00:52	MWB	GC-13	0.984	BXK2322

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

**BCL Sample ID:** 1427819-02      **Client Sample Name:** GDC-6-5, 11/20/2014 8:12:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0017	0.00032	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0017	0.00029	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0017	0.00055	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0017	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0017	0.00062	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0017	0.00034	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0017	0.00059	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0017	0.00034	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0017	0.00062	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0017	0.00029	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-02		Client Sample Name: GDC-6-5, 11/20/2014 8:12:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0017	0.00059	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0034	0.00083	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0017	0.00017	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.00072	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.00069	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.00027	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.00055	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0017	0.00055	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0034	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0017	0.00076	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-02	<b>Client Sample Name:</b> GDC-6-5, 11/20/2014 8:12:00AM
----------------------------------	--

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/04/14	12/04/14 16:35	ADC	MS-V3	0.345	BXL0595

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-02	<b>Client Sample Name:</b> GDC-6-5, 11/20/2014 8:12:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	66.3	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	68.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	81.6	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 12:29	MK1	MS-B4	1	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-02		Client Sample Name: GDC-6-5, 11/20/2014 8:12:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	74.7	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 19:36	MWB	GC-13	0.997	BXK2322

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-03	<b>Client Sample Name:</b> GDC-6-10, 11/20/2014 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Bromobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Bromochloromethane	ND	mg/kg	0.0016	0.00030	EPA-8260B	ND	S08,Z1	1
Bromodichloromethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND	S08,Z1	1
Bromoform	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND	S08,Z1	1
Bromomethane	ND	mg/kg	0.0016	0.00052	EPA-8260B	ND	S08,Z1	1
n-Butylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND	S08,Z1	1
sec-Butylbenzene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
tert-Butylbenzene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
Carbon tetrachloride	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
Chlorobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Chloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
Chloroform	ND	mg/kg	0.0016	0.00020	EPA-8260B	ND	S08,Z1	1
Chloromethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
2-Chlorotoluene	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND	S08,Z1	1
4-Chlorotoluene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
Dibromochloromethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND	S08,Z1	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0016	0.00055	EPA-8260B	ND	S08,Z1	1
1,2-Dibromoethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND	S08,Z1	1
Dibromomethane	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND	S08,Z1	1
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND	S08,Z1	1
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND	S08,Z1	1
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
1,1-Dichloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
1,2-Dichloroethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND	S08,Z1	1
1,1-Dichloroethene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
1,2-Dichloropropane	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND	S08,Z1	1
1,3-Dichloropropane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
2,2-Dichloropropane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
1,1-Dichloropropene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-03		Client Sample Name: GDC-6-10, 11/20/2014 8:20:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND	S08,Z1	1
Hexachlorobutadiene	ND	mg/kg	0.0016	0.00055	EPA-8260B	ND	S08,Z1	1
Isopropylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
p-Isopropyltoluene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Methylene chloride	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND	S08,Z1	1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND	S08,Z1	1
Naphthalene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
n-Propylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Styrene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND	S08,Z1	1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
Tetrachloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
Toluene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.00068	EPA-8260B	ND	S08,Z1	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.00065	EPA-8260B	ND	S08,Z1	1
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.00025	EPA-8260B	ND	S08,Z1	1
Trichloroethene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
Trichlorofluoromethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND	S08,Z1	1
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.00052	EPA-8260B	ND	S08,Z1	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND	S08,Z1	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND	S08,Z1	1
Vinyl chloride	ND	mg/kg	0.0016	0.00052	EPA-8260B	ND	S08,Z1	1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND	S08,Z1	1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND	S08,Z1	1
o-Xylene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND	S08,Z1	1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-03	<b>Client Sample Name:</b> GDC-6-10, 11/20/2014 8:20:00AM
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/04/14	12/04/14	15:04	ADC	MS-V3	0.323	BXL0595

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-03	<b>Client Sample Name:</b> GDC-6-10, 11/20/2014 8:20:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	61.1	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	59.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	72.3	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 12:55	MK1	MS-B4	0.987	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-03		Client Sample Name: GDC-6-10, 11/20/2014 8:20:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C10 - C11</b>	<b>0.90</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C12 - C14</b>	<b>1.0</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	75.5	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 19:59	MWB	GC-13	1	BXK2322

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-04	<b>Client Sample Name:</b> GDC-5-1, 11/20/2014 8:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00036	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00025	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quads, Run #. Lists various chemical constituents and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-04	<b>Client Sample Name:</b> GDC-5-1, 11/20/2014 8:40:00AM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/04/14	12/04/14	15:27	ADC	MS-V3	0.394	BXL0595

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-04	<b>Client Sample Name:</b> GDC-5-1, 11/20/2014 8:40:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	65.1	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	68.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	81.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 13:21	MK1	MS-B4	1	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-04		Client Sample Name: GDC-5-1, 11/20/2014 8:40:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	78.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 20:21	MWB	GC-13	1.017	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-05	<b>Client Sample Name:</b> GDC-5-5, 11/20/2014 8:51:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00037	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00060	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00064	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00060	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00025	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00072	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00040	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00068	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00040	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00072	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00060	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-05		Client Sample Name: GDC-5-5, 11/20/2014 8:51:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00060	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00068	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0040	0.00096	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0020	0.00056	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00084	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00080	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00031	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00044	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00064	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00052	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0020	0.00060	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0020	0.00064	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0040	0.0014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00088	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00048	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-05	<b>Client Sample Name:</b> GDC-5-5, 11/20/2014 8:51:00AM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/04/14	12/04/14 17:20	ADC	MS-V3	0.400	BXL0595

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-05	<b>Client Sample Name:</b> GDC-5-5, 11/20/2014 8:51:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	67.9	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	70.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	96.4	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 13:47	MK1	MS-B4	0.997	BXL0121

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-05		Client Sample Name: GDC-5-5, 11/20/2014 8:51:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	71.8	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 20:44	MWB	GC-13	1.017	BXK2322

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-06	<b>Client Sample Name:</b> GDC-5-10, 11/20/2014 8:59:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0019	0.00035	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0019	0.00032	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0019	0.00024	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-06		Client Sample Name: GDC-5-10, 11/20/2014 8:59:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00081	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00077	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-06	<b>Client Sample Name:</b> GDC-5-10, 11/20/2014 8:59:00AM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	12/04/14	12/04/14 16:12		ADC	MS-V3	0.385	BXL0595

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-06	<b>Client Sample Name:</b> GDC-5-10, 11/20/2014 8:59:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	66.6	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.0	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	91.3	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 14:13	MK1	MS-B4	0.967	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-06		Client Sample Name: GDC-5-10, 11/20/2014 8:59:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	74.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:06	MWB	GC-13	1.003	BXK2322

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-07	<b>Client Sample Name:</b> GDC-4-1, 11/20/2014 9:11:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0038	0.00071	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0038	0.00064	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0038	0.00048	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0038	0.0014	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0038	0.00076	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00077	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0038	0.0014	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.00062	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00065	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0038	0.00062	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-07		Client Sample Name: GDC-4-1, 11/20/2014 9:11:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0077	0.0018	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0016	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0015	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.00059	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0038	0.00084	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0038	0.0012	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0077	0.0026	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-07	<b>Client Sample Name:</b> GDC-4-1, 11/20/2014 9:11:00AM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/27/14 12:36	ADC	MS-V2	0.767	BXK1967

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-07	<b>Client Sample Name:</b> GDC-4-1, 11/20/2014 9:11:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	58.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	64.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	97.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 14:39	MK1	MS-B4	1.014	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-07		Client Sample Name: GDC-4-1, 11/20/2014 9:11:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	79.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:29	MWB	GC-13	1.017	BXK2322

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-08	<b>Client Sample Name:</b> GDC-4-5, 11/20/2014 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0015	0.00028	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0015	0.00026	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0015	0.00049	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0015	0.00019	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0015	0.00055	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0015	0.00030	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0015	0.00030	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0015	0.00055	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0015	0.00026	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-08		Client Sample Name: GDC-4-5, 11/20/2014 9:20:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0030	0.00073	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0015	0.00015	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0015	0.00043	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0015	0.00064	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0015	0.00061	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0015	0.00023	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0015	0.00034	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0015	0.00049	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0015	0.00049	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0030	0.0010	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0015	0.00067	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0015	0.00037	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	137	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	94.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-08	<b>Client Sample Name:</b> GDC-4-5, 11/20/2014 9:20:00AM
----------------------------------	--

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 02:25	ADC	MS-V2	0.305	BXK1967

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-08	<b>Client Sample Name:</b> GDC-4-5, 11/20/2014 9:20:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	65.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	83.7	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 15:05	MK1	MS-B4	1.003	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-08		Client Sample Name: GDC-4-5, 11/20/2014 9:20:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	72.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:51	MWB	GC-13	1.014	BXK2322

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-09	<b>Client Sample Name:</b> GDC-4-10, 11/20/2014 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0022	0.00040	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0022	0.00037	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0022	0.00028	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0022	0.00079	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0022	0.00043	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0022	0.00074	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0022	0.00044	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0022	0.00079	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0022	0.00037	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-09		Client Sample Name: GDC-4-10, 11/20/2014 9:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0022	0.00074	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0044	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0022	0.00022	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0022	0.00092	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0022	0.00088	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0022	0.00034	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0044	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0022	0.00096	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	142	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-09	<b>Client Sample Name:</b> GDC-4-10, 11/20/2014 9:30:00AM
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	02:48	ADC	MS-V2	0.438	BXK1967

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-09	<b>Client Sample Name:</b> GDC-4-10, 11/20/2014 9:30:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	66.7	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	68.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	91.2	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 15:31	MK1	MS-B4	0.983	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-09		Client Sample Name: GDC-4-10, 11/20/2014 9:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	67.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 22:14	MWB	GC-13	0.997	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-10	<b>Client Sample Name:</b> GDC-9-1, 11/20/2014 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0024	0.00044	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0024	0.00040	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0024	0.00030	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0024	0.00085	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0024	0.00047	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0024	0.00080	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0024	0.00047	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0024	0.00085	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0024	0.00038	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0024	0.00040	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0024	0.00038	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-10		Client Sample Name: GDC-9-1, 11/20/2014 10:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0024	0.00080	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0047	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0024	0.00024	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0024	0.00066	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0024	0.00099	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0024	0.00095	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0024	0.00036	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0024	0.00061	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0047	0.0016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0024	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	147	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	93.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-10	<b>Client Sample Name:</b> GDC-9-1, 11/20/2014 10:30:00AM
----------------------------------	---

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/27/14 03:10	ADC	MS-V2	0.473	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-10	<b>Client Sample Name:</b> GDC-9-1, 11/20/2014 10:30:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.030	0.016	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.030	0.014	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.030	0.026	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.030	0.021	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.030	0.015	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.030	0.024	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.030	0.019	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	38.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	50.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	69.3	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 15:57	MK1	MS-B4	9.628	BXL0121

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-10		Client Sample Name: GDC-9-1, 11/20/2014 10:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C12 - C14	14	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C15 - C16	41	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C17 - C18	65	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C19 - C20	91	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C21 - C22	100	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C23 - C28	410	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C29 - C32	39	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C33 - C36	160	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C37 - C40	78	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>1000</b>	<b>mg/kg</b>	<b>100</b>	<b>23</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	64.2	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 15:24	MWB	GC-13	9.836	BXK2322

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-10	<b>Client Sample Name:</b> GDC-9-1, 11/20/2014 10:30:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.33	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.6	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	9.0	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	3.1	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	0.76	mg/kg	2.5	0.050	EPA-6010B	0.22	J	1
Nickel	7.7	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.2	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	44	mg/kg	2.5	0.087	EPA-6010B	0.43		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:06	ARD	PE-OP2	0.980	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:18	MEV	CETAC1	0.992	BXK2180

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-11	<b>Client Sample Name:</b> GDC-9-5, 11/20/2014 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00033	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00023	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00036	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-11		Client Sample Name: GDC-9-5, 11/20/2014 10:40:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0036	0.00086	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00075	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00072	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00028	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0036	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00079	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	128	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	96.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-11	<b>Client Sample Name:</b> GDC-9-5, 11/20/2014 10:40:00AM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	03:32	ADC	MS-V2	0.358	BXK1967

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-11	<b>Client Sample Name:</b> GDC-9-5, 11/20/2014 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	55.8	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	48.2	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	65.0	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 16:23	MK1	MS-B4	0.973	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-11		Client Sample Name: GDC-9-5, 11/20/2014 10:40:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.63	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	1.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	1.4	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	1.4	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	7.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	0.51	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C33 - C36	2.9	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>15</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	67.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 18:05	MWB	GC-13	1.017	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-12	<b>Client Sample Name:</b> GDC-9-10, 11/20/2014 10:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00043	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00029	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00047	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00040	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-12		Client Sample Name: GDC-9-10, 11/20/2014 10:50:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0047	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00098	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00093	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00036	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0047	0.0016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	145	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-12	<b>Client Sample Name:</b> GDC-9-10, 11/20/2014 10:50:00AM
----------------------------------	--

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 03:55	ADC	MS-V2	0.467	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-12	<b>Client Sample Name:</b> GDC-9-10, 11/20/2014 10:50:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	71.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	86.8	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 16:49	MK1	MS-B4	1.003	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-12	<b>Client Sample Name:</b> GDC-9-10, 11/20/2014 10:50:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	62.5	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 22:36	MWB	GC-13	1	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-13	<b>Client Sample Name:</b> GDC-10-1, 11/20/2014 11:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0015	0.00027	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0015	0.00024	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0015	0.00044	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0015	0.00047	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0015	0.00044	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0015	0.00035	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0015	0.00035	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0015	0.00032	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0015	0.00018	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0015	0.00029	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0015	0.00050	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0015	0.00029	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.00024	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.00044	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0015	0.00035	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00041	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0015	0.00024	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0015	0.00032	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0015	0.00038	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0015	0.00035	EPA-8260B	ND		1

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical constituents and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-13	<b>Client Sample Name:</b> GDC-10-1, 11/20/2014 11:20:00AM
----------------------------------	--

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/27/14 04:17	ADC	MS-V2	0.291	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-13	<b>Client Sample Name:</b> GDC-10-1, 11/20/2014 11:20:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.030	0.016	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.030	0.014	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.030	0.026	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.030	0.021	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.030	0.015	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.030	0.024	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.030	0.019	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	44.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	52.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	67.0	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 17:15	MK1	MS-B4	10.033	BXL0121

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-13		Client Sample Name: GDC-10-1, 11/20/2014 11:20:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C12 - C14	5.1	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C15 - C16	13	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C17 - C18	23	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C19 - C20	33	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C21 - C22	38	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C23 - C28	160	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C29 - C32	14	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C33 - C36	70	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C37 - C40	37	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>400</b>	<b>mg/kg</b>	<b>50</b>	<b>12</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	79.5	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 15:46	MWB	GC-13	5.085	BXK2322

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-13	<b>Client Sample Name:</b> GDC-10-1, 11/20/2014 11:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	8.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	130	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.47	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	6.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	17	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	3.9	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	1.9	mg/kg	2.5	0.050	EPA-6010B	0.22	J	1
Nickel	9.1	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.7	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	2.0	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	40	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	51	mg/kg	2.5	0.087	EPA-6010B	0.44		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	08:59	ARD	PE-OP2	0.990	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:34	MEV	CETAC1	1.025	BXK2180

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-14	<b>Client Sample Name:</b> GDC-10-5, 11/20/2014 11:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00033	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00036	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-14	<b>Client Sample Name:</b> GDC-10-5, 11/20/2014 11:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0036	0.00086	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00075	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00071	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00028	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0036	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00079	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-14	<b>Client Sample Name:</b> GDC-10-5, 11/20/2014 11:30:00AM
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 14:27	ADC	MS-V2	0.357	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-14	<b>Client Sample Name:</b> GDC-10-5, 11/20/2014 11:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	66.1	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	59.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	77.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 17:42	MK1	MS-B4	0.960	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-14		Client Sample Name: GDC-10-5, 11/20/2014 11:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.56	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	0.83	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	0.81	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.86	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	5.4	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	1.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>6.9</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>J</b>	<b>1</b>
Tetracosane (Surrogate)	64.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 22:59	MWB	GC-13	1.003	BXK2322

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-15 Client Sample Name: GDC-10-10, 11/20/2014 11:38:00AM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-15		Client Sample Name: GDC-10-10, 11/20/2014 11:38:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00047	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00066	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0039	0.00093	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00047	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00081	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00078	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00043	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00047	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

**BCL Sample ID:** 1427819-15      **Client Sample Name:** GDC-10-10, 11/20/2014 11:38:00AM

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	14:50	ADC	MS-V2	0.388	BXK1967

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-15	<b>Client Sample Name:</b> GDC-10-10, 11/20/2014 11:38:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	61.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	59.2	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	88.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 18:08	MK1	MS-B4	0.974	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-15		Client Sample Name: GDC-10-10, 11/20/2014 11:38:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	59.7	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 00:07	MWB	GC-13	0.990	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-16	<b>Client Sample Name:</b> GDC-11-1, 11/20/2014 12:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0041	0.00076	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0041	0.00069	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0041	0.0013	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00099	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00099	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00091	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0041	0.00052	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0041	0.0015	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0041	0.00082	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0014	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00082	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0041	0.0015	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00067	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00070	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00099	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00067	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00091	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.0011	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00099	EPA-8260B	ND		1

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quas, Run #. Lists various chemical constituents and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-16	<b>Client Sample Name:</b> GDC-11-1, 11/20/2014 12:10:00PM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/27/14 05:24	ADC	MS-V2	0.824	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-16	<b>Client Sample Name:</b> GDC-11-1, 11/20/2014 12:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	55.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	59.2	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	81.4	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 18:34	MK1	MS-B4	0.993	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-16		Client Sample Name: GDC-11-1, 11/20/2014 12:10:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	0.53	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C15 - C16	1.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	3.8	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	6.2	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	8.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	36	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	3.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	14	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	7.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>81</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	64.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 01:38	MWB	GC-13	0.990	BXK2322

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-16	<b>Client Sample Name:</b> GDC-11-1, 11/20/2014 12:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	120	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	9.5	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.9	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	0.79	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	7.2	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.2	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.6	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	48	mg/kg	2.5	0.087	EPA-6010B	0.41		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:00	ARD	PE-OP2	0.935	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:36	MEV	CETAC1	1.025	BXK2180

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-17 Client Sample Name: GDC-11-1-DUP, 11/20/2014 12:11:00PM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-17		Client Sample Name: GDC-11-1-DUP, 11/20/2014 12:11:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0046	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00096	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00091	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00035	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0046	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	141	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	108	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-17	<b>Client Sample Name:</b> GDC-11-1-DUP, 11/20/2014 12:11:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	05:46	ADC	MS-V2	0.456	BXK1967

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-17	<b>Client Sample Name:</b> GDC-11-1-DUP, 11/20/2014 12:11:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	51.3	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	53.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	82.4	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 19:00	MK1	MS-B4	0.966	BXL0121

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-17		Client Sample Name: GDC-11-1-DUP, 11/20/2014 12:11:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	1.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	3.2	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	5.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	7.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	32	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	2.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	12	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	6.9	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>71</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	65.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 02:00	MWB	GC-13	1.010	BXK2322

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-17	<b>Client Sample Name:</b> GDC-11-1-DUP, 11/20/2014 12:11:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.2	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	8.8	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	1.1	mg/kg	2.5	0.050	EPA-6010B	0.22	J	1
Nickel	6.9	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	2.4	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	46	mg/kg	2.5	0.087	EPA-6010B	0.43		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:02	ARD	PE-OP2	0.980	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:38	MEV	CETAC1	0.992	BXK2180

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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1427819-18) and Client Sample Name (GDC-11-5, 11/20/2014 12:35:00PM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quas, Run #. Lists various chemical constituents and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-18	<b>Client Sample Name:</b> GDC-11-5, 11/20/2014 12:35:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	13:49	ADC	MS-V2	0.308	BXK1967

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-18	<b>Client Sample Name:</b> GDC-11-5, 11/20/2014 12:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	64.8	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	61.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	81.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 19:26	MK1	MS-B4	0.973	BXL0121

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-18		Client Sample Name: GDC-11-5, 11/20/2014 12:35:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.60	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	1.2	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	2.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	2.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	12	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	0.92	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C33 - C36	4.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>24</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	46.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 02:46	MWB	GC-13	1.003	BXK2322

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-19	<b>Client Sample Name:</b> GDC-11-10, 11/20/2014 12:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00042	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00029	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00082	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00045	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00082	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00037	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00037	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-19		Client Sample Name: GDC-11-10, 11/20/2014 12:35:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0046	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00096	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00091	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00035	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0046	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.3	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-19	<b>Client Sample Name:</b> GDC-11-10, 11/20/2014 12:35:00PM
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/26/14 14:12	ADC	MS-V2	0.456	BXK1967

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-19	<b>Client Sample Name:</b> GDC-11-10, 11/20/2014 12:35:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	63.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	98.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 19:52	MK1	MS-B4	1	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-19		Client Sample Name: GDC-11-10, 11/20/2014 12:35:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	68.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/27/14 00:30	MWB	GC-13	0.990	BXK2322

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-20	<b>Client Sample Name:</b> GDC-12-1, 11/20/2014 12:58:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00041	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00072	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00028	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00081	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00045	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00045	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00081	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00036	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00036	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-20		Client Sample Name: GDC-12-1, 11/20/2014 12:58:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0045	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00063	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00095	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00090	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00035	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00072	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00072	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0045	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.00099	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	150	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	96.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-20	<b>Client Sample Name:</b> GDC-12-1, 11/20/2014 12:58:00PM
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 06:08	ADC	MS-V2	0.450	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-20	<b>Client Sample Name:</b> GDC-12-1, 11/20/2014 12:58:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.030	0.016	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.030	0.014	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.030	0.026	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.030	0.021	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.030	0.015	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.030	0.024	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.030	0.019	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	43.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	47.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	76.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	12/01/14 20:18	MK1	MS-B4	10.101	BXL0121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-20		Client Sample Name: GDC-12-1, 11/20/2014 12:58:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C12 - C14	11	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C15 - C16	20	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C17 - C18	32	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C19 - C20	46	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C21 - C22	56	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C23 - C28	230	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C29 - C32	21	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C33 - C36	90	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C37 - C40	44	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	5.0	2.5	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>550</b>	<b>mg/kg</b>	<b>50</b>	<b>12</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	61.8	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 16:09	MWB	GC-13	5.034	BXK2322

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-20	<b>Client Sample Name:</b> GDC-12-1, 11/20/2014 12:58:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	95	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	11	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	8.2	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.5	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.065	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	3.0	mg/kg	2.5	0.050	EPA-6010B	0.21		1
Nickel	6.9	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.3	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.8	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	32	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	43	mg/kg	2.5	0.087	EPA-6010B	0.42		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:15	ARD	PE-OP2	0.962	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:40	MEV	CETAC1	0.992	BXK2180

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-21	<b>Client Sample Name:</b> GDC-12-5, 11/20/2014 1:09:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0021	0.00038	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0021	0.00026	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0021	0.00075	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0021	0.00041	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0021	0.00071	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0021	0.00042	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0021	0.00075	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0021	0.00034	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0021	0.00034	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-21		Client Sample Name: GDC-12-5, 11/20/2014 1:09:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0021	0.00071	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0042	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0021	0.00021	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0021	0.00088	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0021	0.00083	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0021	0.00032	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0042	0.0014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0021	0.00092	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-21	<b>Client Sample Name:</b> GDC-12-5, 11/20/2014 1:09:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	14:56	ADC	MS-V2	0.417	BXK1968

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-21	<b>Client Sample Name:</b> GDC-12-5, 11/20/2014 1:09:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	66.9	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.2	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	96.1	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 11:20	MK1	MS-B4	1.017	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-21		Client Sample Name: GDC-12-5, 11/20/2014 1:09:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	60.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 05:48	MWB	GC-13	1.010	BXK2332

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-22	<b>Client Sample Name:</b> GDC-12-10, 11/20/2014 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00033	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00036	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-22		Client Sample Name: GDC-12-10, 11/20/2014 1:15:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00061	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0036	0.00086	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00075	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00071	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00028	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0036	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00079	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-22	<b>Client Sample Name:</b> GDC-12-10, 11/20/2014 1:15:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	15:19	ADC	MS-V2	0.357	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-22	<b>Client Sample Name:</b> GDC-12-10, 11/20/2014 1:15:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	58.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	57.4	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	77.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 11:46	MK1	MS-B4	0.997	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-22		Client Sample Name: GDC-12-10, 11/20/2014 1:15:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.76	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	1.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	0.92	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.91	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	5.2	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	1.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>11</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	54.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 06:11	MWB	GC-13	1.003	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-23	<b>Client Sample Name:</b> GDC-7-1, 11/20/2014 1:28:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0019	0.00035	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0019	0.00032	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0019	0.00024	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00039	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-23		Client Sample Name: GDC-7-1, 11/20/2014 1:28:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0039	0.00092	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00081	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00077	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-23	<b>Client Sample Name:</b> GDC-7-1, 11/20/2014 1:28:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	15:41	ADC	MS-V2	0.385	BXK1968

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-23	<b>Client Sample Name:</b> GDC-7-1, 11/20/2014 1:28:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.058	0.031	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.058	0.027	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.058	0.050	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.058	0.040	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.058	0.029	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.058	0.046	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.058	0.023	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.058	0.036	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	34.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	47.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	59.1	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 12:12	MK1	MS-B4	19.200	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-23		Client Sample Name: GDC-7-1, 11/20/2014 1:28:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C12 - C14	2.2	mg/kg	3.9	1.9	EPA-8015CC	ND	J,A01	1
TPH - C15 - C16	5.8	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C17 - C18	16	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C19 - C20	25	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C21 - C22	36	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C23 - C28	170	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C29 - C32	17	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C33 - C36	75	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C37 - C40	40	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>380</b>	<b>mg/kg</b>	<b>39</b>	<b>9.0</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	60.2	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 11:07	MWB	GC-13	3.871	BXK2332

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-23	<b>Client Sample Name:</b> GDC-7-1, 11/20/2014 1:28:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	7.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	12	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	9.5	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	2.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	1.3	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	7.9	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.7	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	2.7	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	44	mg/kg	2.5	0.087	EPA-6010B	0.42		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:16	ARD	PE-OP2	0.952	BXK2365
2	EPA-7471A	11/25/14	11/25/14	15:42	MEV	CETAC1	1.008	BXK2180

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-24	<b>Client Sample Name:</b> GDC-7-5, 11/20/2014 1:40:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00036	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00025	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00070	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00070	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-24		Client Sample Name: GDC-7-5, 11/20/2014 1:40:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0039	0.00094	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00082	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00078	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00086	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-24	<b>Client Sample Name:</b> GDC-7-5, 11/20/2014 1:40:00PM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/26/14 16:03	ADC	MS-V2	0.392	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-24	<b>Client Sample Name:</b> GDC-7-5, 11/20/2014 1:40:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	65.1	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	63.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	87.4	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 12:38	MK1	MS-B4	1.017	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-24		Client Sample Name: GDC-7-5, 11/20/2014 1:40:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.61	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	0.84	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	1.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	1.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	7.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	0.55	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C33 - C36	3.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>15</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	56.8	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 06:33	MWB	GC-13	0.997	BXK2332

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-25	<b>Client Sample Name:</b> GDC-7-10, 11/20/2014 1:51:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0022	0.00040	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0022	0.00037	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0022	0.00028	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0022	0.00079	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0022	0.00043	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0022	0.00074	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0022	0.00044	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0022	0.00079	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0022	0.00037	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-25		Client Sample Name: GDC-7-10, 11/20/2014 1:51:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0022	0.00074	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0044	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0022	0.00022	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0022	0.00061	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0022	0.00092	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0022	0.00088	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0022	0.00034	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0022	0.00048	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0022	0.00057	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0022	0.00066	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0022	0.00070	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0044	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0022	0.00096	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0022	0.00053	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-25	<b>Client Sample Name:</b> GDC-7-10, 11/20/2014 1:51:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	16:25	ADC	MS-V2	0.438	BXK1968

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-25	<b>Client Sample Name:</b> GDC-7-10, 11/20/2014 1:51:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.87	0.47	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.87	0.41	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.87	0.76	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.87	0.61	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.87	0.44	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.87	0.70	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.87	0.55	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	52.8	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	60.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	82.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 13:04	MK1	MS-B4	291	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-25		Client Sample Name: GDC-7-10, 11/20/2014 1:51:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C12 - C14	46	mg/kg	60	30	EPA-8015CC	ND	J,A01	1
TPH - C15 - C16	55	mg/kg	60	30	EPA-8015CC	ND	J,A01	1
TPH - C17 - C18	160	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C19 - C20	220	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C21 - C22	290	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C23 - C28	1300	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C29 - C32	1300	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C33 - C36	1100	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C37 - C40	610	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>5100</b>	<b>mg/kg</b>	<b>600</b>	<b>140</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	76.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/02/14 04:05	MWB	GC-2	60	BXK2332

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-26	<b>Client Sample Name:</b> GDC-8-1, 11/20/2014 2:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00036	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00025	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G
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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical constituents and their analysis results.

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-26	<b>Client Sample Name:</b> GDC-8-1, 11/20/2014 2:10:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	15:12	ADC	MS-V2	0.394	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-26	<b>Client Sample Name:</b> GDC-8-1, 11/20/2014 2:10:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.90	0.48	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.90	0.42	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.90	0.78	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.90	0.63	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.90	0.45	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.90	0.72	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.90	0.57	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	53.4	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	60.6	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	86.6	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 13:30	MK1	MS-B4	300	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-26		Client Sample Name: GDC-8-1, 11/20/2014 2:10:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C12 - C14	110	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C15 - C16	200	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C17 - C18	400	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C19 - C20	550	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C21 - C22	660	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C23 - C28	2500	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C29 - C32	2700	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C33 - C36	2200	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C37 - C40	1100	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C41 - C43	380	mg/kg	60	30	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	60	30	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>11000</b>	<b>mg/kg</b>	<b>600</b>	<b>140</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	84.1	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/02/14 04:27	MWB	GC-2	60	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427819-26	<b>Client Sample Name:</b> GDC-8-1, 11/20/2014 2:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	500	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	13	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	12	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	12	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	1.0	mg/kg	2.5	0.050	EPA-6010B	0.22	J	1
Nickel	15	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.8	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	58	mg/kg	2.5	0.087	EPA-6010B	0.44		1

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-6010B	11/26/14	12/01/14 09:18	ARD	PE-OP2	0.990	BXK2365
2	EPA-7471A	11/25/14	11/25/14 15:45	MEV	CETAC1	1.008	BXK2180

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-27	<b>Client Sample Name:</b> GDC-8-5, 11/20/2014 2:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
Bromobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
Bromochloromethane	ND	mg/kg	0.0020	0.00037	EPA-8260B	ND	S08,Z1a	1
Bromodichloromethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND	S08,Z1a	1
Bromoform	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND	S08,Z1a	1
Bromomethane	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND	S08,Z1a	1
n-Butylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND	S08,Z1a	1
<b>sec-Butylbenzene</b>	<b>0.00098</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00049</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND	S08,Z1a	1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
Chlorobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
Chloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
Chloroform	ND	mg/kg	0.0020	0.00026	EPA-8260B	ND	S08,Z1a	1
Chloromethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00073	EPA-8260B	ND	S08,Z1a	1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
Dibromochloromethane	ND	mg/kg	0.0020	0.00040	EPA-8260B	ND	S08,Z1a	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00069	EPA-8260B	ND	S08,Z1a	1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00041	EPA-8260B	ND	S08,Z1a	1
Dibromomethane	ND	mg/kg	0.0020	0.00073	EPA-8260B	ND	S08,Z1a	1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND	S08,Z1a	1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND	S08,Z1a	1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00035	EPA-8260B	ND	S08,Z1a	1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND	S08,Z1a	1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND	S08,Z1a	1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND	S08,Z1a	1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-27		Client Sample Name: GDC-8-5, 11/20/2014 2:20:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND	S08,Z1a	1
Ethylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND	S08,Z1a	1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00069	EPA-8260B	ND	S08,Z1a	1
<b>Isopropylbenzene</b>	<b>0.00076</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00053</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
Methylene chloride	ND	mg/kg	0.0041	0.00098	EPA-8260B	ND	S08,Z1a	1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND	S08,Z1a	1
Naphthalene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
<b>n-Propylbenzene</b>	<b>0.00088</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00053</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
Styrene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND	S08,Z1a	1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
Tetrachloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
Toluene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND	S08,Z1a	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00085	EPA-8260B	ND	S08,Z1a	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00081	EPA-8260B	ND	S08,Z1a	1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00031	EPA-8260B	ND	S08,Z1a	1
Trichloroethene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND	S08,Z1a	1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND	S08,Z1a	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND	S08,Z1a	1
<b>1,3,5-Trimethylbenzene</b>	<b>0.00076</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00061</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
Vinyl chloride	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND	S08,Z1a	1
<b>Total Xylenes</b>	<b>0.0014</b>	<b>mg/kg</b>	<b>0.0041</b>	<b>0.0014</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00089	EPA-8260B	ND	S08,Z1a	1
<b>o-Xylene</b>	<b>0.0012</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00049</b>	<b>EPA-8260B</b>	ND	<b>J,S08,Z1a</b>	1
1,2-Dichloroethane-d4 (Surrogate)	141	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	84.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	108	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-27	<b>Client Sample Name:</b> GDC-8-5, 11/20/2014 2:20:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	15:35	ADC	MS-V2	0.407	BXK1968

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-27	<b>Client Sample Name:</b> GDC-8-5, 11/20/2014 2:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	1.3	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	0.50	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	J,A01	1
Benzo[b]fluoranthene	0.50	mg/kg	0.87	0.47	EPA-8270C-SIM	ND	J,A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.87	0.41	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.87	0.76	EPA-8270C-SIM	ND	A01	1
Chrysene	1.0	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.87	0.61	EPA-8270C-SIM	ND	A01	1
Fluoranthene	0.51	mg/kg	0.87	0.44	EPA-8270C-SIM	ND	J,A01	1
Fluorene	4.8	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.87	0.70	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Phenanthrene	5.7	mg/kg	0.87	0.35	EPA-8270C-SIM	ND	A01	1
Pyrene	1.0	mg/kg	0.87	0.55	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	49.8	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	71.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	87.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 13:56	MK1	MS-B4	291	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-27		Client Sample Name: GDC-8-5, 11/20/2014 2:20:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C12 - C14	1200	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C15 - C16	1500	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C17 - C18	2000	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C19 - C20	2000	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C21 - C22	1900	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C23 - C28	5400	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C29 - C32	4700	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C33 - C36	3600	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C37 - C40	1300	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C41 - C43	690	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>24000</b>	<b>mg/kg</b>	<b>1500</b>	<b>350</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	84.1	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/02/14 04:50	MWB	GC-2	150	BXK2332

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-28	<b>Client Sample Name:</b> GDC-8-5-DUP, 11/20/2014 2:21:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00032	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
<b>n-Butylbenzene</b>	<b>0.00072</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00053</b>	<b>EPA-8260B</b>	ND	<b>J</b>	1
<b>sec-Butylbenzene</b>	<b>0.0011</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00042</b>	<b>EPA-8260B</b>	ND	<b>J</b>	1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00063	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00063	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-28		Client Sample Name: GDC-8-5-DUP, 11/20/2014 2:21:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
<b>Isopropylbenzene</b>	<b>0.00091</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00046</b>	<b>EPA-8260B</b>	ND	J	1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0035	0.00085	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
<b>Naphthalene</b>	<b>0.0089</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00049</b>	<b>EPA-8260B</b>	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00074	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00070	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00027	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
<b>1,2,4-Trimethylbenzene</b>	<b>0.00061</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00046</b>	<b>EPA-8260B</b>	ND	J	1
<b>1,3,5-Trimethylbenzene</b>	<b>0.00091</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00053</b>	<b>EPA-8260B</b>	ND	J	1
Vinyl chloride	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
<b>Total Xylenes</b>	<b>0.0016</b>	<b>mg/kg</b>	<b>0.0035</b>	<b>0.0012</b>	<b>EPA-8260B</b>	ND	J	1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00077	EPA-8260B	ND		1
<b>o-Xylene</b>	<b>0.0012</b>	<b>mg/kg</b>	<b>0.0018</b>	<b>0.00042</b>	<b>EPA-8260B</b>	ND	J	1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	87.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-28	<b>Client Sample Name:</b> GDC-8-5-DUP, 11/20/2014 2:21:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	17:32	ADC	MS-V2	0.352	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

BCL Sample ID: 1427819-28		Client Sample Name: GDC-8-5-DUP, 11/20/2014 2:21:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	1.2	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	0.41	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	J,A01	1
Benzo[b]fluoranthene	0.51	mg/kg	0.88	0.47	EPA-8270C-SIM	ND	J,A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.88	0.41	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.88	0.76	EPA-8270C-SIM	ND	A01	1
Chrysene	0.91	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.88	0.62	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.88	0.44	EPA-8270C-SIM	ND	A01	1
Fluorene	3.3	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.88	0.71	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Phenanthrene	3.9	mg/kg	0.88	0.35	EPA-8270C-SIM	ND	A01	1
Pyrene	1.0	mg/kg	0.88	0.56	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	52.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	65.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	91.1	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 14:22	MK1	MS-B4	294	BXL0125

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-28		Client Sample Name: GDC-8-5-DUP, 11/20/2014 2:21:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C12 - C14	1100	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C15 - C16	1300	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C17 - C18	1800	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C19 - C20	1800	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C21 - C22	1700	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C23 - C28	5000	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C29 - C32	4400	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C33 - C36	3400	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C37 - C40	1200	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>22000</b>	<b>mg/kg</b>	<b>1500</b>	<b>350</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	85.2	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/02/14 05:13	MWB	GC-2	150	BXK2332

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-29	<b>Client Sample Name:</b> GDC-8-10, 11/20/2014 2:31:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0016	0.00029	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
<b>n-Butylbenzene</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.0016</b>	<b>0.00048</b>	<b>EPA-8260B</b>	ND		1
<b>sec-Butylbenzene</b>	<b>0.0029</b>	<b>mg/kg</b>	<b>0.0016</b>	<b>0.00038</b>	<b>EPA-8260B</b>	ND		1
tert-Butylbenzene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0016	0.00020	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0016	0.00054	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-29	<b>Client Sample Name:</b> GDC-8-10, 11/20/2014 2:31:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	17:54	ADC	MS-V2	0.321	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-29	<b>Client Sample Name:</b> GDC-8-10, 11/20/2014 2:31:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	1.5	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	0.37	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	J,A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.90	0.48	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.90	0.42	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.90	0.78	EPA-8270C-SIM	ND	A01	1
Chrysene	0.90	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.90	0.63	EPA-8270C-SIM	ND	A01	1
Fluoranthene	0.53	mg/kg	0.90	0.45	EPA-8270C-SIM	ND	J,A01	1
Fluorene	6.7	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.90	0.72	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Phenanthrene	7.8	mg/kg	0.90	0.36	EPA-8270C-SIM	ND	A01	1
Pyrene	0.98	mg/kg	0.90	0.57	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	42.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	49.6	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	90.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 14:48	MK1	MS-B4	300	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-29		Client Sample Name: GDC-8-10, 11/20/2014 2:31:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C12 - C14	1600	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C15 - C16	1500	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C17 - C18	1800	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C19 - C20	1800	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C21 - C22	1700	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C23 - C28	4600	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C29 - C32	4000	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C33 - C36	3000	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C37 - C40	1100	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C41 - C43	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	150	75	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>21000</b>	<b>mg/kg</b>	<b>1500</b>	<b>350</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	89.5	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/02/14 05:35	MWB	GC-2	150	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-30	<b>Client Sample Name:</b> GDC-16-1, 11/20/2014 3:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0019	0.00035	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0019	0.00032	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0019	0.00061	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0019	0.00024	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-30		Client Sample Name: GDC-16-1, 11/20/2014 3:15:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00081	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00077	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00061	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00061	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-30	<b>Client Sample Name:</b> GDC-16-1, 11/20/2014 3:15:00PM
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	18:16	ADC	MS-V2	0.384	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-30	<b>Client Sample Name:</b> GDC-16-1, 11/20/2014 3:15:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	68.1	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	62.4	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	86.2	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 15:15	MK1	MS-B4	0.960	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-30		Client Sample Name: GDC-16-1, 11/20/2014 3:15:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	0.61	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	1.1	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	1.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	0.88	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	6.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	2.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>13</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	68.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 06:56	MWB	GC-13	1.003	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-31	<b>Client Sample Name:</b> GDC-16-5, 11/20/2014 3:29:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00037	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00026	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00073	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00040	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00069	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00041	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00073	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00035	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-31		Client Sample Name: GDC-16-5, 11/20/2014 3:29:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00069	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0041	0.00098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0020	0.00057	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00085	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00081	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00031	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00045	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00053	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0020	0.00061	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0020	0.00065	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0041	0.0014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00089	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-31	<b>Client Sample Name:</b> GDC-16-5, 11/20/2014 3:29:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	18:38	ADC	MS-V2	0.407	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-31	<b>Client Sample Name:</b> GDC-16-5, 11/20/2014 3:29:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	70.7	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	70.9	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	92.7	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 15:41	MK1	MS-B4	0.956	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-31	<b>Client Sample Name:</b> GDC-16-5, 11/20/2014 3:29:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	63.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 07:19	MWB	GC-13	1.010	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-32	<b>Client Sample Name:</b> GDC-16-10, 11/20/2014 3:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0020	0.00036	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0020	0.00025	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0020	0.00071	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00034	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0020	0.00032	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-32		Client Sample Name: GDC-16-10, 11/20/2014 3:35:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0020	0.00067	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0039	0.00095	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0020	0.00055	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
<b>Toluene</b>	<b>0.00049</b>	<b>mg/kg</b>	<b>0.0020</b>	<b>0.00047</b>	<b>EPA-8260B</b>	ND	<b>J</b>	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0020	0.00083	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0020	0.00079	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0020	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0020	0.00043	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0020	0.00063	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00087	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-32	<b>Client Sample Name:</b> GDC-16-10, 11/20/2014 3:35:00PM
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	19:00	ADC	MS-V2	0.394	BXK1968

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-32	<b>Client Sample Name:</b> GDC-16-10, 11/20/2014 3:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	71.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	71.4	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	119	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 16:07	MK1	MS-B4	1.017	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-32	<b>Client Sample Name:</b> GDC-16-10, 11/20/2014 3:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	57.5	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 08:27	MWB	GC-13	1.017	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-33 Client Sample Name: GDC-17-1, 11/20/2014 3:46:00PM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-33		Client Sample Name: GDC-17-1, 11/20/2014 3:46:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0016	0.00055	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.00067	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.00064	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.00025	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-33	<b>Client Sample Name:</b> GDC-17-1, 11/20/2014 3:46:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/26/14	19:23	ADC	MS-V2	0.321	BXK1968

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-33	<b>Client Sample Name:</b> GDC-17-1, 11/20/2014 3:46:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	64.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	63.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	97.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 16:33	MK1	MS-B4	1.017	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-33	<b>Client Sample Name:</b> GDC-17-1, 11/20/2014 3:46:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	57.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 08:50	MWB	GC-13	1.007	BXK2332

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-34	<b>Client Sample Name:</b> GDC-17-5, 11/20/2014 3:59:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0021	0.00039	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0021	0.00036	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0021	0.00069	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0021	0.00027	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0021	0.00077	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0021	0.00042	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0021	0.00073	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0021	0.00043	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0021	0.00077	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0021	0.00036	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
<b>1,1-Dichloropropene</b>	<b>0.0026</b>	<b>mg/kg</b>	<b>0.0021</b>	<b>0.00052</b>	<b>EPA-8260B</b>	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-34		Client Sample Name: GDC-17-5, 11/20/2014 3:59:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0021	0.00073	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0021	0.00021	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0021	0.00060	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0021	0.00090	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0021	0.00086	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0021	0.00033	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0021	0.00047	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0021	0.00069	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0021	0.00069	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0021	0.00094	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0021	0.00052	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	151	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	98.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-34	<b>Client Sample Name:</b> GDC-17-5, 11/20/2014 3:59:00PM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/21/14	11/27/14 06:31	ADC	MS-V2	0.429	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-34	<b>Client Sample Name:</b> GDC-17-5, 11/20/2014 3:59:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	52.4	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	51.6	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	69.9	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 16:59	MK1	MS-B4	0.966	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-34		Client Sample Name: GDC-17-5, 11/20/2014 3:59:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	0.60	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	0.95	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.98	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	5.5	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	2.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>11</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	55.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 09:13	MWB	GC-13	1.007	BXK2332

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-35	<b>Client Sample Name:</b> GDC-17-10, 11/20/2014 4:12:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0026	0.00047	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0026	0.00043	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0026	0.00032	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0026	0.00092	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0026	0.00051	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0026	0.00087	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0026	0.00051	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0026	0.00092	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0026	0.00041	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0026	0.00043	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0026	0.00041	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-35		Client Sample Name: GDC-17-10, 11/20/2014 4:12:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0026	0.00087	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0051	0.0012	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0026	0.00026	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0026	0.0011	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0026	0.0010	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0026	0.00039	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0051	0.0017	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0026	0.0011	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	151	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	112	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-35	<b>Client Sample Name:</b> GDC-17-10, 11/20/2014 4:12:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	06:53	ADC	MS-V2	0.510	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-35	<b>Client Sample Name:</b> GDC-17-10, 11/20/2014 4:12:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	62.6	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	65.0	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	107	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 17:25	MK1	MS-B4	0.990	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-35	<b>Client Sample Name:</b> GDC-17-10, 11/20/2014 4:12:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	62.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 09:36	MWB	GC-13	1.017	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-36	<b>Client Sample Name:</b> GDC-18-1, 11/20/2014 4:31:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00043	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00074	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00029	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-36		Client Sample Name: GDC-18-1, 11/20/2014 4:31:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0046	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00098	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00093	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00036	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00074	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00074	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0046	0.0016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	152	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	98.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	108	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-36	<b>Client Sample Name:</b> GDC-18-1, 11/20/2014 4:31:00PM
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Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 07:16	ADC	MS-V2	0.465	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-36	<b>Client Sample Name:</b> GDC-18-1, 11/20/2014 4:31:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	68.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	68.0	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	107	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 17:51	MK1	MS-B4	0.970	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-36		Client Sample Name: GDC-18-1, 11/20/2014 4:31:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	45.3	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 09:58	MWB	GC-13	0.990	BXK2332

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-37	<b>Client Sample Name:</b> GDC-18-5, 11/20/2014 4:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0014	0.00026	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0014	0.00024	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0014	0.00043	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0014	0.00046	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0014	0.00043	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0014	0.00035	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0014	0.00035	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0014	0.00032	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0014	0.00018	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0014	0.00052	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0014	0.00028	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0014	0.00049	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0014	0.00029	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0014	0.00052	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0014	0.00023	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0014	0.00043	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0014	0.00024	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0014	0.00035	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0014	0.00040	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0014	0.00023	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0014	0.00032	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0014	0.00037	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0014	0.00035	EPA-8260B	ND		1

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical constituents and their analysis results.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-37	<b>Client Sample Name:</b> GDC-18-5, 11/20/2014 4:45:00PM
----------------------------------	---

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/21/14	11/27/14 07:38	ADC	MS-V2	0.288	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-37	<b>Client Sample Name:</b> GDC-18-5, 11/20/2014 4:45:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	74.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	73.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	109	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 18:17	MK1	MS-B4	1	BXL0125

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-37		Client Sample Name: GDC-18-5, 11/20/2014 4:45:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	52.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 10:21	MWB	GC-13	1.014	BXK2332

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-38	<b>Client Sample Name:</b> GDC-18-10, 11/20/2014 5:00:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0015	0.00028	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0015	0.00045	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0015	0.00048	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0015	0.00045	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0015	0.00019	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0015	0.00055	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0015	0.00030	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0015	0.00030	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0015	0.00055	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0015	0.00045	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0015	0.00026	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0015	0.00025	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-38		Client Sample Name: GDC-18-10, 11/20/2014 5:00:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0015	0.00045	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0015	0.00052	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0030	0.00073	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0015	0.00015	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0015	0.00042	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0015	0.00064	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0015	0.00061	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0015	0.00023	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0015	0.00033	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0015	0.00048	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0015	0.00039	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0015	0.00045	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0015	0.00048	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0030	0.0010	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0015	0.00067	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	148	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	97.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	111	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-38	<b>Client Sample Name:</b> GDC-18-10, 11/20/2014 5:00:00PM
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/21/14	11/27/14	08:00	ADC	MS-V2	0.303	BXK1968

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-38	<b>Client Sample Name:</b> GDC-18-10, 11/20/2014 5:00:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	73.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	74.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	129	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 18:43	MK1	MS-B4	1.007	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-38	<b>Client Sample Name:</b> GDC-18-10, 11/20/2014 5:00:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	79.5	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	12/03/14 11:43	MWB	GC-2	1.010	BXK2332

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-39	<b>Client Sample Name:</b> GDC-15-1, 11/20/2014 5:16:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00032	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00063	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00063	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-39		Client Sample Name: GDC-15-1, 11/20/2014 5:16:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0035	0.00085	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00049	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00074	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00070	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00027	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00056	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0035	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00077	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-39	<b>Client Sample Name:</b> GDC-15-1, 11/20/2014 5:16:00PM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/27/14 12:58	ADC	MS-V2	0.352	BXK2378

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-39	<b>Client Sample Name:</b> GDC-15-1, 11/20/2014 5:16:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.057	0.030	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.057	0.027	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.057	0.049	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.057	0.040	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.057	0.028	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.057	0.046	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.057	0.023	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.057	0.036	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	44.7	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	53.0	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	76.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 19:09	MK1	MS-B4	18.968	BXL0125

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-39	<b>Client Sample Name:</b> GDC-15-1, 11/20/2014 5:16:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	2.0	1.0	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	20	4.7	EPA-8015CC	ND		1
Tetracosane (Surrogate)	66.5	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 10:44	MWB	GC-13	2	BXK2332

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-40	<b>Client Sample Name:</b> GDC-15-5, 11/20/2014 5:27:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0016	0.00029	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0016	0.00020	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0016	0.00054	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0016	0.00058	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-40		Client Sample Name: GDC-15-5, 11/20/2014 5:27:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0016	0.00054	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.00067	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.00064	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.00025	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

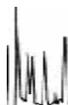
### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-40	<b>Client Sample Name:</b> GDC-15-5, 11/20/2014 5:27:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	13:20	ADC	MS-V2	0.321	BXK2378

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-40	<b>Client Sample Name:</b> GDC-15-5, 11/20/2014 5:27:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	67.6	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	67.6	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	110	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/26/14	12/02/14 19:35	MK1	MS-B4	0.977	BXL0125

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-40		Client Sample Name: GDC-15-5, 11/20/2014 5:27:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C17 - C18</b>	<b>0.65</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C19 - C20</b>	<b>0.64</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C21 - C22</b>	<b>0.60</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C23 - C28</b>	<b>5.1</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C33 - C36</b>	<b>1.9</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>39</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	ND		1
Tetracosane (Surrogate)	62.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/26/14	11/27/14 05:25	MWB	GC-13	0.984	BXK2332

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-41	<b>Client Sample Name:</b> GDC-15-5-DUP, 11/20/2014 5:28:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00042	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00029	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00082	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00045	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00045	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00082	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00037	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00037	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-41		Client Sample Name: GDC-15-5-DUP, 11/20/2014 5:28:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00077	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0045	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00064	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00095	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00091	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00035	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00050	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00059	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00068	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00073	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0045	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-41	<b>Client Sample Name:</b> GDC-15-5-DUP, 11/20/2014 5:28:00PM
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	13:43	ADC	MS-V2	0.455	BXK2378

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-41	<b>Client Sample Name:</b> GDC-15-5-DUP, 11/20/2014 5:28:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	68.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	53.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	92.5	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 20:26	MK1	MS-B4	1.003	BXK2283

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427819-41	<b>Client Sample Name:</b> GDC-15-5-DUP, 11/20/2014 5:28:00PM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	83.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 14:01	MWB	GC-2	1.017	BXK2330

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-42	<b>Client Sample Name:</b> GDC-15-10, 11/20/2014 5:40:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0021	0.00038	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0021	0.00026	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0021	0.00075	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0021	0.00041	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0021	0.00071	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0021	0.00042	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0021	0.00075	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0021	0.00034	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0021	0.00034	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427819-42		Client Sample Name: GDC-15-10, 11/20/2014 5:40:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0021	0.00071	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0042	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0021	0.00021	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0021	0.00058	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0021	0.00088	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0021	0.00083	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0021	0.00032	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0021	0.00046	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0021	0.00054	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0021	0.00067	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0042	0.0014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0021	0.00092	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0021	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427819-42	<b>Client Sample Name:</b> GDC-15-10, 11/20/2014 5:40:00PM
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/27/14 14:05	ADC	MS-V2	0.417	BXK2378

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427819-42	<b>Client Sample Name:</b> GDC-15-10, 11/20/2014 5:40:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	74.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	76.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	167	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 20:52	MK1	MS-B4	0.973	BXK2283

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427819-42		Client Sample Name: GDC-15-10, 11/20/2014 5:40:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	89.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 14:24	MWB	GC-2	1.017	BXK2330

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1427819-43	<b>Client Sample Name:</b> Travel Blank, 11/20/2014 12:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1427819-43		Client Sample Name: Travel Blank, 11/20/2014 12:00:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

**BCL Sample ID:** 1427819-43      **Client Sample Name:** Travel Blank, 11/20/2014 12:00:00AM

Run #	Method	Prep Date	Run		Instrument	Dilution	QC
			Date/Time	Analyst			Batch ID
1	EPA-8260B	11/26/14	11/26/14 17:27	JCC	MS-V14	1	BXK2310

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2310</b>						
Benzene	BXK2310-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BXK2310-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BXK2310-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BXK2310-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BXK2310-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BXK2310-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BXK2310-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BXK2310-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BXK2310-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BXK2310-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BXK2310-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BXK2310-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BXK2310-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BXK2310-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BXK2310-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BXK2310-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BXK2310-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BXK2310-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BXK2310-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BXK2310-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BXK2310-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BXK2310-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BXK2310-BLK1	ND	ug/L	0.50	0.14	

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2310</b>						
trans-1,3-Dichloropropene	BXK2310-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BXK2310-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	BXK2310-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	BXK2310-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BXK2310-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BXK2310-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.11	
Styrene	BXK2310-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.18	
1,1,1,2-Tetrachloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.13	
Toluene	BXK2310-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BXK2310-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BXK2310-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BXK2310-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BXK2310-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BXK2310-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK2310-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BXK2310-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BXK2310-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BXK2310-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	BXK2310-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BXK2310-BLK1	ND	ug/L	0.50	0.082	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK2310-BLK1</b>	<b>102</b>	<b>%</b>	<b>75 - 125 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK2310-BLK1</b>	<b>101</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK2310-BLK1</b>	<b>98.8</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2310</b>										
Benzene	BXK2310-BS1	LCS	27.492	25.000	ug/L	110		70 - 130		
Bromodichloromethane	BXK2310-BS1	LCS	25.263	25.000	ug/L	101		70 - 130		
Chlorobenzene	BXK2310-BS1	LCS	24.559	25.000	ug/L	98.2		70 - 130		
Chloroethane	BXK2310-BS1	LCS	27.544	25.000	ug/L	110		70 - 130		
1,4-Dichlorobenzene	BXK2310-BS1	LCS	23.892	25.000	ug/L	95.6		70 - 130		
1,1-Dichloroethane	BXK2310-BS1	LCS	27.099	25.000	ug/L	108		70 - 130		
1,1-Dichloroethene	BXK2310-BS1	LCS	28.416	25.000	ug/L	114		70 - 130		
Toluene	BXK2310-BS1	LCS	25.039	25.000	ug/L	100		70 - 130		
Trichloroethene	BXK2310-BS1	LCS	27.372	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK2310-BS1	LCS	10.280	10.000	ug/L	103		75 - 125		
Toluene-d8 (Surrogate)	BXK2310-BS1	LCS	10.170	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXK2310-BS1	LCS	10.320	10.000	ug/L	103		80 - 120		

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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes QC Batch ID: BXK2310 and Used client sample: N.

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK1967</b>						
Benzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXK1967-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXK1967-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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**QC Batch ID: BXK1967**

trans-1,3-Dichloropropene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXK1967-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXK1967-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2-Tetrachloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXK1967-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXK1967-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXK1967-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXK1967-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK1967-BLK1</b>	<b>97.4</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK1967-BLK1</b>	<b>94.0</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK1967-BLK1</b>	<b>97.2</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

**QC Batch ID: BXK1968**

Benzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK1968</b>						
Bromobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXK1968-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXK1968-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK1968</b>						
Ethylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXK1968-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXK1968-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXK1968-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXK1968-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXK1968-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXK1968-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK1968-BLK1</b>	<b>102</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK1968-BLK1</b>	<b>92.9</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK1968-BLK1</b>	<b>96.7</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

<b>QC Batch ID: BXK2378</b>						
Benzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2378</b>						
Bromochloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXK2378-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2378</b>						
Hexachlorobutadiene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXK2378-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXK2378-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXK2378-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXK2378-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK2378-BLK1</b>	<b>94.7</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK2378-BLK1</b>	<b>93.1</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK2378-BLK1</b>	<b>94.9</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

<b>QC Batch ID: BXL0595</b>						
Benzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00092	

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL0595</b>						
Bromodichloromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXL0595-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXL0595-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0017	

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL0595</b>						
Isopropylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXL0595-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXL0595-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXL0595-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXL0595-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXL0595-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXL0595-BLK1	ND	mg/kg	0.0050	0.0012	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXL0595-BLK1</b>	<b>92.7</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXL0595-BLK1</b>	<b>98.7</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXL0595-BLK1</b>	<b>96.8</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK1967</b>										
Benzene	BXK1967-BS1	LCS	0.11509	0.12500	mg/kg	92.1		70 - 130		
Bromodichloromethane	BXK1967-BS1	LCS	0.13325	0.12500	mg/kg	107		70 - 130		
Chlorobenzene	BXK1967-BS1	LCS	0.12736	0.12500	mg/kg	102		70 - 130		
Chloroethane	BXK1967-BS1	LCS	0.12388	0.12500	mg/kg	99.1		70 - 130		
1,4-Dichlorobenzene	BXK1967-BS1	LCS	0.12927	0.12500	mg/kg	103		70 - 130		
1,1-Dichloroethane	BXK1967-BS1	LCS	0.12287	0.12500	mg/kg	98.3		70 - 130		
1,1-Dichloroethene	BXK1967-BS1	LCS	0.11473	0.12500	mg/kg	91.8		70 - 130		
Toluene	BXK1967-BS1	LCS	0.11984	0.12500	mg/kg	95.9		70 - 130		
Trichloroethene	BXK1967-BS1	LCS	0.12624	0.12500	mg/kg	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK1967-BS1	LCS	0.055120	0.050000	mg/kg	110		70 - 121		
Toluene-d8 (Surrogate)	BXK1967-BS1	LCS	0.048930	0.050000	mg/kg	97.9		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXK1967-BS1	LCS	0.051310	0.050000	mg/kg	103		74 - 121		
<b>QC Batch ID: BXK1968</b>										
Benzene	BXK1968-BS1	LCS	0.11015	0.12500	mg/kg	88.1		70 - 130		
Bromodichloromethane	BXK1968-BS1	LCS	0.12950	0.12500	mg/kg	104		70 - 130		
Chlorobenzene	BXK1968-BS1	LCS	0.12508	0.12500	mg/kg	100		70 - 130		
Chloroethane	BXK1968-BS1	LCS	0.11733	0.12500	mg/kg	93.9		70 - 130		
1,4-Dichlorobenzene	BXK1968-BS1	LCS	0.12670	0.12500	mg/kg	101		70 - 130		
1,1-Dichloroethane	BXK1968-BS1	LCS	0.11786	0.12500	mg/kg	94.3		70 - 130		
1,1-Dichloroethene	BXK1968-BS1	LCS	0.10997	0.12500	mg/kg	88.0		70 - 130		
Toluene	BXK1968-BS1	LCS	0.11796	0.12500	mg/kg	94.4		70 - 130		
Trichloroethene	BXK1968-BS1	LCS	0.12244	0.12500	mg/kg	98.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK1968-BS1	LCS	0.052300	0.050000	mg/kg	105		70 - 121		
Toluene-d8 (Surrogate)	BXK1968-BS1	LCS	0.050160	0.050000	mg/kg	100		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXK1968-BS1	LCS	0.049970	0.050000	mg/kg	99.9		74 - 121		
<b>QC Batch ID: BXK2378</b>										
Benzene	BXK2378-BS1	LCS	0.11555	0.12500	mg/kg	92.4		70 - 130		
Bromodichloromethane	BXK2378-BS1	LCS	0.12690	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXK2378-BS1	LCS	0.12514	0.12500	mg/kg	100		70 - 130		
Chloroethane	BXK2378-BS1	LCS	0.12608	0.12500	mg/kg	101		70 - 130		
1,4-Dichlorobenzene	BXK2378-BS1	LCS	0.12825	0.12500	mg/kg	103		70 - 130		
1,1-Dichloroethane	BXK2378-BS1	LCS	0.12001	0.12500	mg/kg	96.0		70 - 130		
1,1-Dichloroethene	BXK2378-BS1	LCS	0.11497	0.12500	mg/kg	92.0		70 - 130		

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2378</b>										
Toluene	BXK2378-BS1	LCS	0.11466	0.12500	mg/kg	91.7		70 - 130		
Trichloroethene	BXK2378-BS1	LCS	0.12029	0.12500	mg/kg	96.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK2378-BS1	LCS	0.052570	0.050000	mg/kg	105		70 - 121		
Toluene-d8 (Surrogate)	BXK2378-BS1	LCS	0.047640	0.050000	mg/kg	95.3		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXK2378-BS1	LCS	0.050180	0.050000	mg/kg	100		74 - 121		
<b>QC Batch ID: BXL0595</b>										
Benzene	BXL0595-BS1	LCS	0.13387	0.12500	mg/kg	107		70 - 130		
Bromodichloromethane	BXL0595-BS1	LCS	0.12709	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXL0595-BS1	LCS	0.12569	0.12500	mg/kg	101		70 - 130		
Chloroethane	BXL0595-BS1	LCS	0.14474	0.12500	mg/kg	116		70 - 130		
1,4-Dichlorobenzene	BXL0595-BS1	LCS	0.11639	0.12500	mg/kg	93.1		70 - 130		
1,1-Dichloroethane	BXL0595-BS1	LCS	0.13063	0.12500	mg/kg	105		70 - 130		
1,1-Dichloroethene	BXL0595-BS1	LCS	0.12594	0.12500	mg/kg	101		70 - 130		
Toluene	BXL0595-BS1	LCS	0.12496	0.12500	mg/kg	100		70 - 130		
Trichloroethene	BXL0595-BS1	LCS	0.12003	0.12500	mg/kg	96.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXL0595-BS1	LCS	0.052620	0.050000	mg/kg	105		70 - 121		
Toluene-d8 (Surrogate)	BXL0595-BS1	LCS	0.050100	0.050000	mg/kg	100		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXL0595-BS1	LCS	0.049470	0.050000	mg/kg	98.9		74 - 121		

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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two sections for QC Batch IDs BXK1967 and BXK1968.

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1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two QC Batch sections: BXK1968 and BXK2378.

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXL0595</b>		Used client sample: N								
Benzene	MS	1428224-08	ND	0.13576	0.12500	mg/kg		109		70 - 130
	MSD	1428224-08	ND	0.12872	0.12500	mg/kg	5.3	103	20	70 - 130
Bromodichloromethane	MS	1428224-08	ND	0.13031	0.12500	mg/kg		104		70 - 130
	MSD	1428224-08	ND	0.12265	0.12500	mg/kg	6.1	98.1	20	70 - 130
Chlorobenzene	MS	1428224-08	ND	0.13148	0.12500	mg/kg		105		70 - 130
	MSD	1428224-08	ND	0.12715	0.12500	mg/kg	3.3	102	20	70 - 130
Chloroethane	MS	1428224-08	ND	0.14621	0.12500	mg/kg		117		70 - 130
	MSD	1428224-08	ND	0.14113	0.12500	mg/kg	3.5	113	20	70 - 130
1,4-Dichlorobenzene	MS	1428224-08	ND	0.12112	0.12500	mg/kg		96.9		70 - 130
	MSD	1428224-08	ND	0.11504	0.12500	mg/kg	5.1	92.0	20	70 - 130
1,1-Dichloroethane	MS	1428224-08	ND	0.13105	0.12500	mg/kg		105		70 - 130
	MSD	1428224-08	ND	0.12430	0.12500	mg/kg	5.3	99.4	20	70 - 130
1,1-Dichloroethene	MS	1428224-08	ND	0.12648	0.12500	mg/kg		101		70 - 130
	MSD	1428224-08	ND	0.12125	0.12500	mg/kg	4.2	97.0	20	70 - 130
Toluene	MS	1428224-08	ND	0.12947	0.12500	mg/kg		104		70 - 130
	MSD	1428224-08	ND	0.12439	0.12500	mg/kg	4.0	99.5	20	70 - 130
Trichloroethene	MS	1428224-08	ND	0.12350	0.12500	mg/kg		98.8		70 - 130
	MSD	1428224-08	ND	0.11576	0.12500	mg/kg	6.5	92.6	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1428224-08	ND	0.050660	0.050000	mg/kg		101		70 - 121
	MSD	1428224-08	ND	0.049540	0.050000	mg/kg	2.2	99.1		70 - 121
Toluene-d8 (Surrogate)	MS	1428224-08	ND	0.050270	0.050000	mg/kg		101		81 - 117
	MSD	1428224-08	ND	0.050340	0.050000	mg/kg	0.1	101		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1428224-08	ND	0.049860	0.050000	mg/kg		99.7		74 - 121
	MSD	1428224-08	ND	0.049920	0.050000	mg/kg	0.1	99.8		74 - 121

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2283</b>						
Acenaphthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Acenaphthylene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[b]fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0016	
Benzo[k]fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0014	
Benzo[g,h,i]perylene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0026	
Chrysene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Dibenzo[a,h]anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0021	
Fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0015	
Fluorene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Indeno[1,2,3-cd]pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0024	
Naphthalene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Phenanthrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0019	
<b>Nitrobenzene-d5 (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>67.6</b>	<b>%</b>	<b>30 - 110 (LCL - UCL)</b>		
<b>2-Fluorobiphenyl (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>69.2</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		
<b>p-Terphenyl-d14 (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>94.8</b>	<b>%</b>	<b>34 - 120 (LCL - UCL)</b>		

<b>QC Batch ID: BXL0121</b>						
Acenaphthene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Acenaphthylene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Anthracene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]anthracene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[b]fluoranthene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0016	
Benzo[k]fluoranthene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]pyrene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0014	
Benzo[g,h,i]perylene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0026	
Chrysene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Dibenzo[a,h]anthracene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0021	
Fluoranthene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0015	
Fluorene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Indeno[1,2,3-cd]pyrene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0024	

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**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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**QC Batch ID: BXL0121**

Naphthalene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Phenanthrene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0012	
Pyrene	BXL0121-BLK1	ND	mg/kg	0.0030	0.0019	
<b>Nitrobenzene-d5 (Surrogate)</b>	<b>BXL0121-BLK1</b>	<b>65.2</b>	<b>%</b>	<b>30 - 110 (LCL - UCL)</b>		
<b>2-Fluorobiphenyl (Surrogate)</b>	<b>BXL0121-BLK1</b>	<b>65.8</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		
<b>p-Terphenyl-d14 (Surrogate)</b>	<b>BXL0121-BLK1</b>	<b>87.1</b>	<b>%</b>	<b>34 - 120 (LCL - UCL)</b>		

**QC Batch ID: BXL0125**

Acenaphthene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Acenaphthylene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Anthracene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]anthracene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[b]fluoranthene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0016	
Benzo[k]fluoranthene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]pyrene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0014	
Benzo[g,h,i]perylene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0026	
Chrysene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Dibenzo[a,h]anthracene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0021	
Fluoranthene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0015	
Fluorene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Indeno[1,2,3-cd]pyrene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0024	
Naphthalene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Phenanthrene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0012	
Pyrene	BXL0125-BLK1	ND	mg/kg	0.0030	0.0019	
<b>Nitrobenzene-d5 (Surrogate)</b>	<b>BXL0125-BLK1</b>	<b>69.7</b>	<b>%</b>	<b>30 - 110 (LCL - UCL)</b>		
<b>2-Fluorobiphenyl (Surrogate)</b>	<b>BXL0125-BLK1</b>	<b>78.0</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		
<b>p-Terphenyl-d14 (Surrogate)</b>	<b>BXL0125-BLK1</b>	<b>115</b>	<b>%</b>	<b>34 - 120 (LCL - UCL)</b>		

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2283</b>										
Acenaphthene	BXK2283-BS1	LCS	0.025590		mg/kg			52 - 130		
Acenaphthylene	BXK2283-BS1	LCS	0.029240		mg/kg			52 - 130		
Anthracene	BXK2283-BS1	LCS	0.038917		mg/kg			52 - 130		
Benzo[a]anthracene	BXK2283-BS1	LCS	0.029399		mg/kg			60 - 130		
Benzo[b]fluoranthene	BXK2283-BS1	LCS	0.021851		mg/kg			55 - 130		
Benzo[k]fluoranthene	BXK2283-BS1	LCS	0.030445		mg/kg			47 - 130		
Benzo[a]pyrene	BXK2283-BS1	LCS	0.031205		mg/kg			40 - 130		
Benzo[g,h,i]perylene	BXK2283-BS1	LCS	0.013694		mg/kg			50 - 130		
Chrysene	BXK2283-BS1	LCS	0.027300		mg/kg			50 - 130		
Dibenzo[a,h]anthracene	BXK2283-BS1	LCS	0.012171		mg/kg			50 - 130		
Fluoranthene	BXK2283-BS1	LCS	0.029161		mg/kg			60 - 130		
Fluorene	BXK2283-BS1	LCS	0.027187		mg/kg			50 - 130		
Indeno[1,2,3-cd]pyrene	BXK2283-BS1	LCS	0.010936		mg/kg			50 - 130		
Naphthalene	BXK2283-BS1	LCS	0.025132		mg/kg			50 - 130		
Phenanthrene	BXK2283-BS1	LCS	0.026422		mg/kg			50 - 130		
Pyrene	BXK2283-BS1	LCS	0.037035		mg/kg			50 - 130		
Nitrobenzene-d5 (Surrogate)	BXK2283-BS1	LCS	0.10053	0.13423	mg/kg	74.9		30 - 110		
2-Fluorobiphenyl (Surrogate)	BXK2283-BS1	LCS	0.10109	0.13423	mg/kg	75.3		40 - 120		
p-Terphenyl-d14 (Surrogate)	BXK2283-BS1	LCS	0.15002	0.13423	mg/kg	112		34 - 120		

<b>QC Batch ID: BXL0121</b>										
Acenaphthene	BXL0121-BS1	LCS	0.025522	0.032787	mg/kg	77.8		52 - 130		
Acenaphthylene	BXL0121-BS1	LCS	0.028815	0.032787	mg/kg	87.9		52 - 130		
Anthracene	BXL0121-BS1	LCS	0.037140	0.032787	mg/kg	113		52 - 130		
Benzo[a]anthracene	BXL0121-BS1	LCS	0.029034	0.032787	mg/kg	88.6		60 - 130		
Benzo[b]fluoranthene	BXL0121-BS1	LCS	0.020925	0.032787	mg/kg	63.8		55 - 130		
Benzo[k]fluoranthene	BXL0121-BS1	LCS	0.024035	0.032787	mg/kg	73.3		47 - 130		
Benzo[a]pyrene	BXL0121-BS1	LCS	0.026329	0.032787	mg/kg	80.3		40 - 130		
Benzo[g,h,i]perylene	BXL0121-BS1	LCS	0.019550	0.032787	mg/kg	59.6		50 - 130		
Chrysene	BXL0121-BS1	LCS	0.025996	0.032787	mg/kg	79.3		50 - 130		
Dibenzo[a,h]anthracene	BXL0121-BS1	LCS	0.019004	0.032787	mg/kg	58.0		50 - 130		
Fluoranthene	BXL0121-BS1	LCS	0.028061	0.032787	mg/kg	85.6		60 - 130		
Fluorene	BXL0121-BS1	LCS	0.027177	0.032787	mg/kg	82.9		50 - 130		
Indeno[1,2,3-cd]pyrene	BXL0121-BS1	LCS	0.017580	0.032787	mg/kg	53.6		50 - 130		

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Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXL0121</b>										
Naphthalene	BXL0121-BS1	LCS	0.024864	0.032787	mg/kg	75.8		50 - 130		
Phenanthrene	BXL0121-BS1	LCS	0.025797	0.032787	mg/kg	78.7		50 - 130		
Pyrene	BXL0121-BS1	LCS	0.030819	0.032787	mg/kg	94.0		50 - 130		
Nitrobenzene-d5 (Surrogate)	BXL0121-BS1	LCS	0.096734	0.13115	mg/kg	73.8		30 - 110		
2-Fluorobiphenyl (Surrogate)	BXL0121-BS1	LCS	0.097212	0.13115	mg/kg	74.1		40 - 120		
p-Terphenyl-d14 (Surrogate)	BXL0121-BS1	LCS	0.11349	0.13115	mg/kg	86.5		34 - 120		
<b>QC Batch ID: BXL0125</b>										
Acenaphthene	BXL0125-BS1	LCS	0.028858	0.032787	mg/kg	88.0		52 - 130		
Acenaphthylene	BXL0125-BS1	LCS	0.032157	0.032787	mg/kg	98.1		52 - 130		
Anthracene	BXL0125-BS1	LCS	0.041811	0.032787	mg/kg	128		52 - 130		
Benzo[a]anthracene	BXL0125-BS1	LCS	0.025078	0.032787	mg/kg	76.5		60 - 130		
Benzo[b]fluoranthene	BXL0125-BS1	LCS	0.020061	0.032787	mg/kg	61.2		55 - 130		
Benzo[k]fluoranthene	BXL0125-BS1	LCS	0.034214	0.032787	mg/kg	104		47 - 130		
Benzo[a]pyrene	BXL0125-BS1	LCS	0.033716	0.032787	mg/kg	103		40 - 130		
Benzo[g,h,i]perylene	BXL0125-BS1	LCS	0.020996	0.032787	mg/kg	64.0		50 - 130		
Chrysene	BXL0125-BS1	LCS	0.032236	0.032787	mg/kg	98.3		50 - 130		
Dibenzo[a,h]anthracene	BXL0125-BS1	LCS	0.016890	0.032787	mg/kg	51.5		50 - 130		
Fluoranthene	BXL0125-BS1	LCS	0.022260	0.032787	mg/kg	67.9		60 - 130		
Fluorene	BXL0125-BS1	LCS	0.027565	0.032787	mg/kg	84.1		50 - 130		
Indeno[1,2,3-cd]pyrene	BXL0125-BS1	LCS	0.017786	0.032787	mg/kg	54.2		50 - 130		
Naphthalene	BXL0125-BS1	LCS	0.027687	0.032787	mg/kg	84.4		50 - 130		
Phenanthrene	BXL0125-BS1	LCS	0.028491	0.032787	mg/kg	86.9		50 - 130		
Pyrene	BXL0125-BS1	LCS	0.050273	0.032787	mg/kg	153		50 - 130		L21
Nitrobenzene-d5 (Surrogate)	BXL0125-BS1	LCS	0.11481	0.13115	mg/kg	87.5		30 - 110		
2-Fluorobiphenyl (Surrogate)	BXL0125-BS1	LCS	0.10803	0.13115	mg/kg	82.4		40 - 120		
p-Terphenyl-d14 (Surrogate)	BXL0125-BS1	LCS	0.17825	0.13115	mg/kg	136		34 - 120		S09

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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes a QC Batch ID: BXK2283 and a list of 25 polynuclear aromatic hydrocarbons with their respective test results and recovery percentages.

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Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Spike Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes QC Batch ID: BXX2283 and BXL0121.

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Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two QC batches: BXL0121 and BXL0125.

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BXL0125</b>		Used client sample: Y - Description: GDC-18-5, 11/20/2014 16:45									
Nitrobenzene-d5 (Surrogate)	MS	1427819-37	ND	0.093264	0.13468	mg/kg		69.2		30 - 110	
	MSD	1427819-37	ND	0.083227	0.13378	mg/kg	11.4	62.2		30 - 110	
2-Fluorobiphenyl (Surrogate)	MS	1427819-37	ND	0.091877	0.13468	mg/kg		68.2		40 - 120	
	MSD	1427819-37	ND	0.084180	0.13378	mg/kg	8.7	62.9		40 - 120	
p-Terphenyl-d14 (Surrogate)	MS	1427819-37	ND	0.12567	0.13468	mg/kg		93.3		34 - 120	
	MSD	1427819-37	ND	0.12597	0.13378	mg/kg	0.2	94.2		34 - 120	

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
-------------	--------------	-----------	-------	-----	-----	-----------

**QC Batch ID: BXK2322**

TPH - C8 - C9	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXK2322-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXK2322-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXK2322-BLK1	ND	mg/kg	10	1.2	
<b>Tetracosane (Surrogate)</b>	<b>BXK2322-BLK1</b>	<b>81.2</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

**QC Batch ID: BXK2330**

TPH - C8 - C9	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXK2330-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXK2330-BLK1	ND	mg/kg	10	1.2	
<b>Tetracosane (Surrogate)</b>	<b>BXK2330-BLK1</b>	<b>84.3</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2332</b>						
TPH - C8 - C9	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXK2332-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXK2332-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXK2332-BLK1	ND	mg/kg	10	1.2	
<b>Tetracosane (Surrogate)</b>	<b>BXK2332-BLK1</b>	<b>59.8</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: BXK2322</b>											
TPH - Diesel (FFP)	BXK2322-BS1	LCS	67.978	84.746	mg/kg	80.2		64	124		
Tetracosane (Surrogate)	BXK2322-BS1	LCS	2.7320	3.3898	mg/kg	80.6		20	145		
<b>QC Batch ID: BXK2330</b>											
TPH - Diesel (FFP)	BXK2330-BS1	LCS	59.578	83.893	mg/kg	71.0		64	124		
Tetracosane (Surrogate)	BXK2330-BS1	LCS	2.0762	3.3557	mg/kg	61.9		20	145		
<b>QC Batch ID: BXK2332</b>											
TPH - Diesel (FFP)	BXK2332-BS1	LCS	60.778	84.175	mg/kg	72.2		64	124		
Tetracosane (Surrogate)	BXK2332-BS1	LCS	1.9274	3.3670	mg/kg	57.2		20	145		

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Petroleum Hydrocarbons

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab
								RPD	Percent Recovery	
<b>QC Batch ID: BXK2322</b>		Used client sample: Y - Description: GDC-9-5, 11/20/2014 10:40								
TPH - Diesel (FFP)	MS	1427819-11	ND	67.724	83.893	mg/kg		80.7		52 - 131
	MSD	1427819-11	ND	62.798	82.781	mg/kg	7.5	75.9	30	52 - 131
Tetracosane (Surrogate)	MS	1427819-11	ND	2.6680	3.3557	mg/kg		79.5		20 - 145
	MSD	1427819-11	ND	2.3608	3.3113	mg/kg	12.2	71.3		20 - 145
<b>QC Batch ID: BXK2330</b>		Used client sample: Y - Description: GDC-14-5, 11/21/2014 09:25								
TPH - Diesel (FFP)	MS	1427827-02	ND	61.830	82.508	mg/kg		74.9		52 - 131
	MSD	1427827-02	ND	71.187	83.893	mg/kg	14.1	84.9	30	52 - 131
Tetracosane (Surrogate)	MS	1427827-02	ND	2.4574	3.3003	mg/kg		74.5		20 - 145
	MSD	1427827-02	ND	2.9819	3.3557	mg/kg	19.3	88.9		20 - 145
<b>QC Batch ID: BXK2332</b>		Used client sample: Y - Description: GDC-15-5, 11/20/2014 17:27								
TPH - Diesel (FFP)	MS	1427819-40	ND	74.973	83.612	mg/kg		89.7		52 - 131
	MSD	1427819-40	ND	64.960	83.056	mg/kg	14.3	78.2	30	52 - 131
Tetracosane (Surrogate)	MS	1427819-40	ND	2.6818	3.3445	mg/kg		80.2		20 - 145
	MSD	1427819-40	ND	2.2641	3.3223	mg/kg	16.9	68.1		20 - 145

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2180</b>						
Mercury	BXK2180-BLK1	ND	mg/kg	0.16	0.036	
<b>QC Batch ID: BXK2365</b>						
Antimony	BXK2365-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXK2365-BLK1	ND	mg/kg	1.0	0.40	
<b>Barium</b>	<b>BXK2365-BLK1</b>	<b>0.23381</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.18</b>	<b>J</b>
Beryllium	BXK2365-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXK2365-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXK2365-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXK2365-BLK1	ND	mg/kg	2.5	0.098	
Copper	BXK2365-BLK1	ND	mg/kg	1.0	0.050	
Lead	BXK2365-BLK1	ND	mg/kg	2.5	0.28	
<b>Molybdenum</b>	<b>BXK2365-BLK1</b>	<b>0.22075</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.050</b>	<b>J</b>
Nickel	BXK2365-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXK2365-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXK2365-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXK2365-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXK2365-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>BXK2365-BLK1</b>	<b>0.44183</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>

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Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2180</b>										
Mercury	BXK2180-BS1	LCS	0.80272	0.80000	mg/kg	100		80 - 120		
<b>QC Batch ID: BXK2365</b>										
Antimony	BXK2365-BS1	LCS	99.455	100.00	mg/kg	99.5		75 - 125		
Arsenic	BXK2365-BS1	LCS	10.815	10.000	mg/kg	108		75 - 125		
Barium	BXK2365-BS1	LCS	106.41	100.00	mg/kg	106		75 - 125		
Beryllium	BXK2365-BS1	LCS	10.365	10.000	mg/kg	104		75 - 125		
Cadmium	BXK2365-BS1	LCS	10.234	10.000	mg/kg	102		75 - 125		
Chromium	BXK2365-BS1	LCS	105.75	100.00	mg/kg	106		75 - 125		
Cobalt	BXK2365-BS1	LCS	105.49	100.00	mg/kg	105		75 - 125		
Copper	BXK2365-BS1	LCS	101.96	100.00	mg/kg	102		75 - 125		
Lead	BXK2365-BS1	LCS	107.73	100.00	mg/kg	108		75 - 125		
Molybdenum	BXK2365-BS1	LCS	107.07	100.00	mg/kg	107		75 - 125		
Nickel	BXK2365-BS1	LCS	107.47	100.00	mg/kg	107		75 - 125		
Selenium	BXK2365-BS1	LCS	10.896	10.000	mg/kg	109		75 - 125		
Silver	BXK2365-BS1	LCS	9.7421	10.000	mg/kg	97.4		75 - 125		
Thallium	BXK2365-BS1	LCS	102.93	100.00	mg/kg	103		75 - 125		
Vanadium	BXK2365-BS1	LCS	102.75	100.00	mg/kg	103		75 - 125		
Zinc	BXK2365-BS1	LCS	107.03	100.00	mg/kg	107		75 - 125		

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Ontario, CA 91761

Reported: 12/08/2014 15:10
Project: EN047
Project Number: [none]
Project Manager: Jack Packwood

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch IDs B XK2180 and B XK2365.

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Ontario, CA 91761

Reported: 12/08/2014 15:10  
Project: EN047  
Project Number: [none]  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BXK2365</b>		Used client sample: Y - Description: GDC-9-1, 11/20/2014 10:30								
Selenium	DUP	1427819-10	3.1995	2.3032		mg/kg	32.6		20	A02
	MS	1427819-10	3.1995	12.153	9.8039	mg/kg		91.3	75 - 125	
	MSD	1427819-10	3.1995	12.235	9.8039	mg/kg	0.7	92.2	20 75 - 125	
Silver	DUP	1427819-10	ND	ND		mg/kg			20	
	MS	1427819-10	ND	9.0559	9.8039	mg/kg		92.4	75 - 125	
	MSD	1427819-10	ND	9.1489	9.8039	mg/kg	1.0	93.3	20 75 - 125	
Thallium	DUP	1427819-10	1.4652	3.2765		mg/kg	76.4		20	J,A02
	MS	1427819-10	1.4652	90.102	98.039	mg/kg		90.4	75 - 125	
	MSD	1427819-10	1.4652	91.538	98.039	mg/kg	1.6	91.9	20 75 - 125	
Vanadium	DUP	1427819-10	33.034	33.397		mg/kg	1.1		20	
	MS	1427819-10	33.034	126.60	98.039	mg/kg		95.4	75 - 125	
	MSD	1427819-10	33.034	128.15	98.039	mg/kg	1.2	97.0	20 75 - 125	
Zinc	DUP	1427819-10	44.075	43.958		mg/kg	0.3		20	
	MS	1427819-10	44.075	136.60	98.039	mg/kg		94.4	75 - 125	
	MSD	1427819-10	44.075	138.19	98.039	mg/kg	1.2	96.0	20 75 - 125	

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/08/2014 15:10  
**Project:** EN047  
**Project Number:** [none]  
**Project Manager:** Jack Packwood

**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the PQL.
- A19 Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
- L21 The Laboratory Control Sample Soil (LCSS) recovery is not within laboratory established control limits.
- Q02 Matrix spike precision is not within the control limits.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S08 The internal standard on the sample was not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.
- Z1 All three submissions from the client were analyzed, with matrix interference of the internal standards. The reported sample had the best internal standard recovery.
- Z1a The sample was analyzed twice with matrix interference of the internal standards.



Date of Report: 12/03/2014

Jack Packwood

Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Client Project: EN047  
BCL Project: EN047  
BCL Work Order: 1427827  
Invoice ID: B189961

Enclosed are the results of analyses for samples received by the laboratory on 11/21/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

---

Contact Person: Christina Herndon  
Client Service Rep

---

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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**RUSH!**

Chain of Custody Form

Page 1 of 3

Report To: **Group Delta**  
 Client: **Group Delta**  
 Attn: **Jack Ackwood**  
 Street Address: **1035 S Milliken Suite C**  
 City, State, Zip: **Duarte, CA 91761**  
 Phone: **(916) 245-5550** Fax: **909-245-5552**  
 Email Address: **jack.ackwood@bc-labs.com**  
 Work Order #: **14-21027**

Project #: **END47**  
 Project Name:  
 Sampler(s): **GC**

Analysis Requested  
 TPH-Carbon Chem. fill 80156 (m)  
 VOCs 8260 B  
 PAHs 8270 SIM  
 TPH Diesel 80156  
 VOCs & TEK & xylenes 8260 B  
 VOCs & TEK & xylenes 8260 B

Sample #	Description	Date Sampled	Time Sampled	EDF Required? Geotracker	Global ID (Needed for EDF)	Relinquished By	Date	Time	Relinquished By	Date	Time	Sample Matrix	Turnaround # of work days	Notes
-1	GDC-14-1	11/21/14	9:15	<input type="checkbox"/> Yes <input type="checkbox"/> No			11/21/14	16:05		11/21/14	16:05	Soil	5	
-2	GDC-14-5		9:25	<input type="checkbox"/> Yes <input type="checkbox"/> No								Sludge		
-3	GDC-14-10		9:37	<input type="checkbox"/> Yes <input type="checkbox"/> No								Drinking Water		
-4	GDC-13-1		9:42	<input type="checkbox"/> Yes <input type="checkbox"/> No								Ground Water		
-5	GDC-13-5		9:50	<input type="checkbox"/> Yes <input type="checkbox"/> No								Waste Water		
-6	GDC-13-10		9:59	<input type="checkbox"/> Yes <input type="checkbox"/> No								Other		
-7	GDC-24-3		10:44	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-8	GDC-24-3-DUP		10:46	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-9	GDC-24-5		10:51	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-10	GDC-23-3		11:06	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-11	GDC-23-5		11:15	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-12	GDC-23-5-DUP		11:16	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-13	GDC-25-5		11:40	<input type="checkbox"/> Yes <input type="checkbox"/> No										
-14	GDC-25-10		11:47	<input type="checkbox"/> Yes <input type="checkbox"/> No										

**SHORT HOLDING TIME**  
 C<sup>15</sup> NO<sub>2</sub> TNO<sub>3</sub> OP SS  
 DO CE COD MBAS COT

**CHK B DISTRIBUTION**  
 [Handwritten signature]

**Billing**  Same as above

Client: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 PO#: \_\_\_\_\_

EDF Required? Geotracker  Yes  No  
 Send Copy to State of CA? (EDT)  Yes  No

Global ID (Needed for EDF)  
 1. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

System # (Needed for EDT)  
 1. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 2. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

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Chain of Custody Form

Report To: **Envy Depth**  
 Client: **Jack Parkwood**  
 Attn: **Jack Parkwood**  
 Street Address: **1075 S. Milliken**  
 City, State, Zip: **Ontario, CA**  
 Phone: **Fax:**  
 Email Address: **jack@bcslabs.com**  
 Work Order #: **1427827**

Project #: **EN047**  
 Project Name:  
 Sampler(s): **GDL**

Analysis Requested  
 pH-CC fillamp 50 (3/6m)  
 VEG  
 DTKs  
 \$270 5m  
 Metals  
 6000/1800  
 8000/1800  
 pH & Temp  
 TSS  
 Vol. & Temp  
 8000/1800  
 8000/1800  
 8000/1800

Sample #	Description	Date Sampled	Time Sampled	Comments		Notes
				Sample Matrix	Turnaround # of work days	
-29	GDL-2-0.5	11/21/14	2:42	X	X	
-30	GDL-3-0.5	11/21/14	2:50	X	X	
-31	GDL-3-1.5	11/21/14	2:57	X	X	
-32	ENV-EB-11212014	11/21/14	3:00	X	X	
-33	EB-11202014	11/20/14	6:00 <sup>PM</sup>	X	X	

Comments:  
 Are there any tests with holding times less than or equal to 48 hours?  
 Yes  No  
 \* Standard Turnaround = 10 work days

Global ID (Needed for EDF)  
 1. Relinquished By: [Signature] Date: 11/21/14 Time: 16:05  
 2. Relinquished By: [Signature] Date: 11/21/14 Time: 16:05  
 3. Relinquished By: [Signature] Date: 11/21/14 Time: 16:05

EDF Required? Geotracker  Yes  No  
 Send Copy to State of CA? (EDT)  Yes  No

Client: **Same as above**  
 Address:  
 City: State Zip  
 Attn:  
 PO#:

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

Page 3 of 3



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 of 15

Submission #: 14-27827

SHIPPING INFORMATION Federal Express [ ] UPS [ ] Hand Delivery [x] BC Lab Field Service [ ] Other [ ] (Specify)

SHIPPING CONTAINER Ice Chest [x] None [ ] Box [ ] Other [ ] (Specify)

FREE LIQUID YES [ ] NO [ ]

Refrigerant: Ice [x] Blue Ice [ ] None [ ] Other [ ] Comments:

Custody Seals Ice Chest [ ] Containers [ ] None [ ] Comments:

All samples received? Yes [x] No [ ] All samples containers intact? Yes [x] No [ ] Description(s) match COC? Yes [x] No [ ]

COC Received YES [x] NO [ ]

Emissivity: 0.98 Container: AMR Thermometer ID: 208 Temperature: (A) 5.6 °C (C) 4.8 °C

Date/Time 1/21/14 Analyst Init WLS 1602

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various container types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten 'E' and 'ABCD' are present in several cells.

Comments: Sample Numbering Completed By: M Date/Time: 1/21/14 1650 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\ISAMREC) A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 2 of 45

Submission #: 14-27827

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  
 YES  NO

Emissivity: 0.98 Container: Amber Thermometer ID: 208 Date/Time: 12/19/14  
 Temperature: (A) 5.6 °C (C) 4.8 °C Analyst Init: WWS/Ked

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	20
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE /NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	E	E								
8 OZ. JAR										
32 OZ. JAR			E	E	E	E	E	E	E	E
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: AD Date/Time: 12-19-14 (S:\WPDoc\Word\Perfect\LAB\_DOCS\FORMS\SAMREC)  
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 3 of 8.5

Submission #: 14-27827

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received  
 YES  NO

Emissivity: 0.98 Container: AMBER Thermometer ID: 208  
 Temperature: (A) 5.6 °C (C) 4.8 °C

Date/Time 1/21/14  
 Analyst Init WBS 1605

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	21	22	23	24	25	26	27	28	29	30
QT GENERAL MINERAL/GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE /NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M						E	E			
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	E	E	E	E						
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD	ABCD
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: M Date/Time: 1/21/14 1705 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC]  
 A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 7 of 45

Submission #: 14-27827

SHIPPING INFORMATION Federal Express [ ] UPS [ ] Hand Delivery [x] BC Lab Field Service [ ] Other [ ] (Specify)

SHIPPING CONTAINER Ice Chest [x] None [ ] Box [ ] Other [ ] (Specify)

FREE LIQUID YES [ ] NO [ ]

Refrigerant: Ice [x] Blue Ice [ ] None [ ] Other [ ] Comments:

Custody Seals Ice Chest [ ] Containers [ ] None [x] Comments: Intact? Yes [ ] No [ ]

All samples received? Yes [x] No [ ] All samples containers intact? Yes [x] No [ ] Description(s) match COC? Yes [x] No [ ]

COC Received YES [x] NO [ ]

Emissivity: 0.98 Container: PE Thermometer ID: 208 Temperature: (A) 5.7 °C (C) 5.3 °C

Date/Time 11/21/14 Analyst Init WWS/1605

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT GENERAL MINERAL/GENERAL, PT PE UNPRESERVED, etc. Handwritten 'A' and 'EX' are present in some cells.

Comments: Sample Numbering Completed By: [Signature] Date/Time: 11-21-14 1640 [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC] A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 8 of 8

Submission #: 14-27827

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other  (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES  NO

Emissivity: 0.98 Container: CUMBER Thermometer ID: 208 Date/Time: 11/21/14 1605  
 Temperature: (A) 5.0 °C (C) 4.8 °C Analyst Init: WLB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK		A								
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT		ABC								
Summa Canister										

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: 77 Date/Time: 11-21-14 1605 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC)  
 A = Actual / C = Corrected



Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427827-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-14-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:25
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-14-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:37
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-14-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:42
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-13-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-13-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 09:59
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-13-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 10:44
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-24-3	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427827-08	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 10:46
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-24-3-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-09	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 10:51
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-24-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-10	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:06
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-23-3	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-11	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-23-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-12	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:16
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-23-5-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-13	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-25-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-14	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:47
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-25-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427827-15	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 11:55
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-25-15	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-16	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 12:06
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-26-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-17	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 12:18
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-26-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-18	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 12:28
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-26-15	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-19	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 13:15
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-28-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-20	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 13:26
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-28-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			
1427827-21	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 13:34
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-28-15	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
	<hr/>			

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427827-22	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 13:45
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-27-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-23	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 13:52
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-27-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-24	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:03
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-27-15	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-25	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:20
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-1-0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-26	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:25
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-1-1.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-27	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:36
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-2-0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-28	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:37
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-2-0.5-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1427827-29	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:42
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-2-1.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-30	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:50
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-3-0.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-31	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 14:57
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-3-1.5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Soil
1427827-32	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 15:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EB-11212014	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time	
1427827-33	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/20/2014 18:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EB-11202014	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time	
1427827-34	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/21/2014 16:05
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/21/2014 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	Trip Blank	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	GDC	<b>Sample Type:</b>	Blank Water

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Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1427827-01) and Client Sample Name (GDC-14-1, 11/21/2014 9:15:00AM, GDC)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various organic compounds and their detection results.

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-01	<b>Client Sample Name:</b> GDC-14-1, 11/21/2014 9:15:00AM, GDC
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0016	0.00055	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0016	0.00045	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0016	0.00067	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0016	0.00064	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0016	0.00025	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0016	0.00035	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0016	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0016	0.00039	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.9	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-01	<b>Client Sample Name:</b> GDC-14-1, 11/21/2014 9:15:00AM, GDC
----------------------------------	--

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	18:33	ADC	MS-V2	0.321	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-01	<b>Client Sample Name:</b> GDC-14-1, 11/21/2014 9:15:00AM, GDC
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.030	0.016	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.030	0.014	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.030	0.026	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.030	0.021	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.030	0.015	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.030	0.024	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.030	0.019	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	35.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	46.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	49.2	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 14:47	MK1	MS-B4	10.135	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-01		Client Sample Name: GDC-14-1, 11/21/2014 9:15:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C12 - C14	6.1	mg/kg	10	5.0	EPA-8015CC	ND	J,A01	1
TPH - C15 - C16	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C17 - C18	6.2	mg/kg	10	5.0	EPA-8015CC	ND	J,A01	1
TPH - C19 - C20	9.2	mg/kg	10	5.0	EPA-8015CC	ND	J,A01	1
TPH - C21 - C22	15	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C23 - C28	90	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C29 - C32	130	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C33 - C36	140	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C37 - C40	86	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C41 - C43	64	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH (Total)	550	mg/kg	100	23	EPA-8015CC	ND	A01	1
Tetracosane (Surrogate)	79.5	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 16:01	MWB	GC-2	10.033	BXK2330

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-02	<b>Client Sample Name:</b> GDC-14-5, 11/21/2014 9:25:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0022	0.00040	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0022	0.00036	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0022	0.00065	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0022	0.00069	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0022	0.00065	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0022	0.00027	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0022	0.00078	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0022	0.00043	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0022	0.00073	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0022	0.00043	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0022	0.00078	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0022	0.00065	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0022	0.00037	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0022	0.00035	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-02		Client Sample Name: GDC-14-5, 11/21/2014 9:25:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0022	0.00065	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0022	0.00073	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0043	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0022	0.00022	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0022	0.00060	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0022	0.00091	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0022	0.00086	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0022	0.00033	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0022	0.00047	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0022	0.00069	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0022	0.00056	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0022	0.00065	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0022	0.00069	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0022	0.00095	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0022	0.00052	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-02	<b>Client Sample Name:</b> GDC-14-5, 11/21/2014 9:25:00AM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	18:55	ADC	MS-V2	0.431	BXK2378

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-02	<b>Client Sample Name:</b> GDC-14-5, 11/21/2014 9:25:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	62.6	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	60.4	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	69.6	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 15:13	MK1	MS-B4	0.997	BXK2283

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-02		Client Sample Name: GDC-14-5, 11/21/2014 9:25:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	76.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 15:55	MWB	GC-2	1.003	BXK2330

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-03	<b>Client Sample Name:</b> GDC-14-10, 11/21/2014 9:37:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0026	0.00047	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0026	0.00043	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0026	0.00032	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0026	0.00092	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0026	0.00051	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0026	0.00087	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0026	0.00051	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0026	0.00092	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0026	0.00041	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0026	0.00043	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0026	0.00041	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-03	<b>Client Sample Name:</b> GDC-14-10, 11/21/2014 9:37:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0026	0.00087	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0051	0.0012	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0026	0.00026	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0026	0.00071	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0026	0.0011	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0026	0.0010	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0026	0.00039	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0026	0.00056	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0026	0.00066	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0026	0.00077	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0026	0.00082	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0051	0.0017	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0026	0.0011	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0026	0.00061	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-03	<b>Client Sample Name:</b> GDC-14-10, 11/21/2014 9:37:00AM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	19:18	ADC	MS-V2	0.510	BXK2378

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-03	<b>Client Sample Name:</b> GDC-14-10, 11/21/2014 9:37:00AM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	78.8	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	82.8	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	110	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 15:39	MK1	MS-B4	1.003	BXK2283

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-03		Client Sample Name: GDC-14-10, 11/21/2014 9:37:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	76.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 20:26	MWB	GC-2	1.003	BXK2330

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-04		Client Sample Name: GDC-13-1, 11/21/2014 9:42:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0023	0.00043	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0023	0.00029	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00047	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0023	0.00084	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00040	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0023	0.00038	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-04		Client Sample Name: GDC-13-1, 11/21/2014 9:42:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0023	0.00079	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0047	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0023	0.00065	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0023	0.00098	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0023	0.00093	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0023	0.00036	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0023	0.00051	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0023	0.00061	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0023	0.00070	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0023	0.00075	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0047	0.0016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00056	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

**BCL Sample ID:** 1427827-04      **Client Sample Name:** GDC-13-1, 11/21/2014 9:42:00AM, GDC

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	19:40	ADC	MS-V2	0.467	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-04	<b>Client Sample Name:</b> GDC-13-1, 11/21/2014 9:42:00AM, GDC
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Acenaphthylene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]anthracene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[b]fluoranthene	ND	mg/kg	0.030	0.016	EPA-8270C-SIM	ND	A01	1
Benzo[k]fluoranthene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Benzo[a]pyrene	ND	mg/kg	0.030	0.014	EPA-8270C-SIM	ND	A01	1
Benzo[g,h,i]perylene	ND	mg/kg	0.030	0.026	EPA-8270C-SIM	ND	A01	1
Chrysene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.030	0.021	EPA-8270C-SIM	ND	A01	1
Fluoranthene	ND	mg/kg	0.030	0.015	EPA-8270C-SIM	ND	A01	1
Fluorene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.030	0.024	EPA-8270C-SIM	ND	A01	1
Naphthalene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Phenanthrene	ND	mg/kg	0.030	0.012	EPA-8270C-SIM	ND	A01	1
Pyrene	ND	mg/kg	0.030	0.019	EPA-8270C-SIM	ND	A01	1
Nitrobenzene-d5 (Surrogate)	36.6	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM		A01	1
2-Fluorobiphenyl (Surrogate)	46.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1
p-Terphenyl-d14 (Surrogate)	79.7	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 16:05	MK1	MS-B4	10.033	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-04		Client Sample Name: GDC-13-1, 11/21/2014 9:42:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C12 - C14	16	mg/kg	20	10	EPA-8015CC	ND	J,A01	1
TPH - C15 - C16	18	mg/kg	20	10	EPA-8015CC	ND	J,A01	1
TPH - C17 - C18	33	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C19 - C20	50	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C21 - C22	73	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C23 - C28	400	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C29 - C32	550	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C33 - C36	570	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C37 - C40	350	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C41 - C43	160	mg/kg	20	10	EPA-8015CC	ND	A01	1
TPH - C44 plus	ND	mg/kg	20	10	EPA-8015CC	ND	A01	1
<b>TPH (Total)</b>	<b>2200</b>	<b>mg/kg</b>	<b>200</b>	<b>47</b>	<b>EPA-8015CC</b>	<b>ND</b>	<b>A01</b>	<b>1</b>
Tetracosane (Surrogate)	104	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 16:24	MWB	GC-2	20.270	BXK2330

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Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1427827-05) and Client Sample Name (GDC-13-5, 11/21/2014 9:50:00AM, GDC)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with columns: BCL Sample ID, Client Sample Name, Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Qualls, Run #. Lists various chemical constituents and their analysis results.

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-05	<b>Client Sample Name:</b> GDC-13-5, 11/21/2014 9:50:00AM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/27/14	20:02	ADC	MS-V2	0.467	BXK2378

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-05	<b>Client Sample Name:</b> GDC-13-5, 11/21/2014 9:50:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	68.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	71.3	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	117	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 16:31	MK1	MS-B4	0.974	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-05		Client Sample Name: GDC-13-5, 11/21/2014 9:50:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	74.7	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 20:49	MWB	GC-2	1.017	BXK2330

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-06 Client Sample Name: GDC-13-10, 11/21/2014 9:59:00AM, GDC

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-06		Client Sample Name: GDC-13-10, 11/21/2014 9:59:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0017	0.00058	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0034	0.00082	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0017	0.00017	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.00071	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.00068	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.00026	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.00054	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0017	0.00054	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0034	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0017	0.00075	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-06	<b>Client Sample Name:</b> GDC-13-10, 11/21/2014 9:59:00AM, GDC
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/27/14 20:25	ADC	MS-V2	0.340	BXK2378

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-06	<b>Client Sample Name:</b> GDC-13-10, 11/21/2014 9:59:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	ND	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	ND	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	ND	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	74.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	77.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	129	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 16:58	MK1	MS-B4	0.997	BXK2283

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-06		Client Sample Name: GDC-13-10, 11/21/2014 9:59:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	71.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:11	MWB	GC-2	1.003	BXK2330

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-07	<b>Client Sample Name:</b> GDC-24-3, 11/21/2014 10:44:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050	0.00056	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050	0.017	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050	0.00080	EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0	0.066	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0050	0.00022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.020	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.0	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/27/14 18:11	ADC	MS-V2	1	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-07	<b>Client Sample Name:</b> GDC-24-3, 11/21/2014 10:44:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	6.1	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	73.3	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 12:47	MBS	GC-5	1.010	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-08	<b>Client Sample Name:</b> GDC-24-3-DUP, 11/21/2014 10:46:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00036	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00054	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0036	0.0012	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0018	0.00020	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.018	0.0061	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.36	0.024	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0018	0.000079	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00079	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.072	0.0072	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	127	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 03:51	ADC	MS-V2	0.358	BXK2378

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-08	<b>Client Sample Name:</b> GDC-24-3-DUP, 11/21/2014 10:46:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	6.3	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	68.2	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 13:00	MBS	GC-5	0.976	BXK2340

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-09	<b>Client Sample Name:</b> GDC-24-5, 11/21/2014 10:51:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0021	0.00053	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0021	0.00041	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0021	0.00035	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0021	0.00062	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0021	0.00021	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0021	0.00049	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0041	0.0014	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0021	0.00023	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.021	0.0070	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0021	0.00033	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.41	0.027	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0021	0.000090	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0021	0.00090	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0021	0.00049	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.082	0.0082	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	126	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	97.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 04:13	ADC	MS-V2	0.411	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-09	<b>Client Sample Name:</b> GDC-24-5, 11/21/2014 10:51:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	6.0	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	70.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 13:13	MBS	GC-5	0.960	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-10	<b>Client Sample Name:</b> GDC-23-3, 11/21/2014 11:06:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0015	0.00040	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0015	0.00030	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0015	0.00026	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0015	0.00046	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0015	0.00015	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0030	0.0010	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0015	0.00017	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.015	0.0052	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0015	0.00024	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.30	0.020	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0015	0.000067	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0015	0.00067	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0015	0.00036	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.061	0.0061	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	128	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 04:36	ADC	MS-V2	0.304	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-10	<b>Client Sample Name:</b> GDC-23-3, 11/21/2014 11:06:00AM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.0	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	67.2	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 08:45	MBS	GC-5	0.987	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-11	<b>Client Sample Name:</b> GDC-23-5, 11/21/2014 11:15:00AM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0023	0.00060	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0023	0.00046	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0023	0.00039	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0023	0.00069	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0023	0.00023	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0046	0.0016	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0023	0.00026	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.023	0.0078	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0023	0.00037	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.46	0.030	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0023	0.00010	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0023	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0023	0.00055	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.092	0.0092	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	130	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 04:58	ADC	MS-V2	0.459	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-11	<b>Client Sample Name:</b> GDC-23-5, 11/21/2014 11:15:00AM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.7	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	68.1	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 08:58	MBS	GC-5	0.993	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-12	<b>Client Sample Name:</b> GDC-23-5-DUP, 11/21/2014 11:16:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0017	0.00035	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0017	0.00030	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0017	0.00017	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0035	0.0012	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0017	0.00020	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.017	0.0059	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.35	0.023	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0017	0.000077	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0017	0.00077	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.070	0.0070	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	135	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	97.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 05:20	ADC	MS-V2	0.350	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-12	<b>Client Sample Name:</b> GDC-23-5-DUP, 11/21/2014 11:16:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.8	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	74.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 09:11	MBS	GC-5	0.987	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-13	<b>Client Sample Name:</b> GDC-25-5, 11/21/2014 11:40:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00037	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00031	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00055	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0037	0.0012	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0018	0.00021	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.018	0.0062	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.37	0.024	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0018	0.000081	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00081	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.074	0.0074	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	132	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 05:43	ADC	MS-V2	0.368	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-13	<b>Client Sample Name:</b> GDC-25-5, 11/21/2014 11:40:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	9.2	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	71.8	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 13:25	MBS	GC-5	0.990	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-14	<b>Client Sample Name:</b> GDC-25-10, 11/21/2014 11:47:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0019	0.00022	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.019	0.0065	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.38	0.025	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0019	0.000085	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.077	0.0077	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	135	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 06:05	ADC	MS-V2	0.385	BXK2378

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-14	<b>Client Sample Name:</b> GDC-25-10, 11/21/2014 11:47:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	70.3	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 10:03	MBS	GC-5	1	BXK2340

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-15	<b>Client Sample Name:</b> GDC-25-15, 11/21/2014 11:55:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0020	0.00051	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0020	0.00039	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0020	0.00033	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0020	0.00059	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0020	0.00020	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0020	0.00022	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.020	0.0067	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0020	0.00031	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.39	0.026	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0020	0.000087	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0020	0.00087	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0020	0.00047	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.079	0.0079	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	131	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.9	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/29/14 15:30	ADC	MS-V2	0.394	BXK2378

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

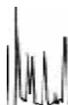
<b>BCL Sample ID:</b> 1427827-15	<b>Client Sample Name:</b> GDC-25-15, 11/21/2014 11:55:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	4.7	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	75.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 10:15	MBS	GC-5	0.983	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-16	<b>Client Sample Name:</b> GDC-26-5, 11/21/2014 12:06:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00047	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00036	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00031	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00055	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0036	0.0012	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0018	0.00020	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.018	0.0062	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.36	0.024	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0018	0.000080	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00080	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.073	0.0073	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	133	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 06:50	ADC	MS-V2	0.365	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-16	<b>Client Sample Name:</b> GDC-26-5, 11/21/2014 12:06:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	8.2	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	64.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 13:38	MBS	GC-5	0.976	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-17	<b>Client Sample Name:</b> GDC-26-10, 11/21/2014 12:18:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0019	0.00022	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.019	0.0065	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.38	0.025	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0019	0.000085	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.077	0.0077	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	137	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 07:12	ADC	MS-V2	0.385	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-17	<b>Client Sample Name:</b> GDC-26-10, 11/21/2014 12:18:00PM, GDC
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	7.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	66.1	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 13:51	MBS	GC-5	0.986	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-18	<b>Client Sample Name:</b> GDC-26-15, 11/21/2014 12:28:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0016	0.00042	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0016	0.00018	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.016	0.0054	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.32	0.021	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0016	0.000071	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.064	0.0064	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	137	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 07:35	ADC	MS-V2	0.321	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-18	<b>Client Sample Name:</b> GDC-26-15, 11/21/2014 12:28:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.6	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	69.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 10:53	MBS	GC-5	0.983	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-19	<b>Client Sample Name:</b> GDC-28-5, 11/21/2014 1:15:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0021	0.00056	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0021	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0021	0.00036	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0021	0.00064	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0021	0.00021	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0021	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0021	0.00024	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.021	0.0073	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0021	0.00034	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.43	0.028	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0021	0.000094	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0021	0.00094	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0021	0.00051	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.085	0.0085	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	142	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 07:57	ADC	MS-V2	0.427	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-19	<b>Client Sample Name:</b> GDC-28-5, 11/21/2014 1:15:00PM, GDC
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	8.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	65.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 15:20	MBS	GC-5	0.984	BXK2340

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-20	<b>Client Sample Name:</b> GDC-28-10, 11/21/2014 1:26:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0040	0.0010	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0040	0.00080	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0040	0.00068	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0040	0.00096	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0080	0.0027	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0040	0.00045	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.040	0.014	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0040	0.00064	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.80	0.053	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0040	0.00018	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0018	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0040	0.00096	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.16	0.016	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	143	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 08:20	ADC	MS-V2	0.800	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-20	<b>Client Sample Name:</b> GDC-28-10, 11/21/2014 1:26:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	69.0	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 11:19	MBS	GC-5	1.003	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-21	<b>Client Sample Name:</b> GDC-28-15, 11/21/2014 1:34:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0035	0.0012	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0018	0.00020	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.018	0.0060	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0018	0.00028	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.35	0.023	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0018	0.000077	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00077	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00042	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.070	0.0070	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	142	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 08:42	ADC	MS-V2	0.352	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-21	<b>Client Sample Name:</b> GDC-28-15, 11/21/2014 1:34:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.7	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	62.3	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 11:31	MBS	GC-5	0.964	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-22	<b>Client Sample Name:</b> GDC-27-5, 11/21/2014 1:45:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0014	0.00036	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0014	0.00027	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0014	0.00023	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0014	0.00041	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0014	0.00014	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0014	0.00033	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0027	0.00093	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0014	0.00015	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.014	0.0047	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0014	0.00022	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.27	0.018	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0014	0.000060	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0014	0.00060	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0014	0.00033	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.055	0.0055	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	144	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 09:05	ADC	MS-V2	0.275	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-22	<b>Client Sample Name:</b> GDC-27-5, 11/21/2014 1:45:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	9.0	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	69.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 15:07	MBS	GC-5	0.938	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-23	<b>Client Sample Name:</b> GDC-27-10, 11/21/2014 1:52:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0024	0.00048	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0024	0.00040	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0024	0.00024	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0048	0.0016	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0024	0.00027	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.024	0.0081	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0024	0.00038	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.48	0.031	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0024	0.00010	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0024	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.095	0.0095	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	146	%	70 - 121 (LCL - UCL)		EPA-8260B		A19,S09	1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/28/14 09:27	ADC	MS-V2	0.476	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-23	<b>Client Sample Name:</b> GDC-27-10, 11/21/2014 1:52:00PM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.7	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	66.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 12:22	MBS	GC-5	1.017	BXK2340

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

**BCL Sample ID:** 1427827-24      **Client Sample Name:** GDC-27-15, 11/21/2014 2:03:00PM, GDC

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	0.00058	mg/kg	0.0016	0.00042	EPA-8260B	ND	J	1
1,2-Dibromoethane	ND	mg/kg	0.0016	0.00032	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0016	0.00027	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0016	0.00048	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0016	0.00016	EPA-8260B	ND		1
Toluene	0.0011	mg/kg	0.0016	0.00038	EPA-8260B	ND	J	1
Total Xylenes	ND	mg/kg	0.0032	0.0011	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0016	0.00018	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.016	0.0054	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0016	0.00026	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.32	0.021	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0016	0.000071	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0016	0.00071	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0016	0.00038	EPA-8260B	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>0.032</b>	<b>mg/kg</b>	<b>0.064</b>	<b>0.0064</b>	<b>Luft-GC/MS</b>	ND	J	1
1,2-Dichloroethane-d4 (Surrogate)	98.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/29/14 12:33	ADC	MS-V2	0.321	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-24	<b>Client Sample Name:</b> GDC-27-15, 11/21/2014 2:03:00PM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.6	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	72.2	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	11/25/14	11/26/14 12:35	MBS	GC-5	0.987	BXK2340

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Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1427827-25) and Client Sample Name (GDC-1-0.5, 11/21/2014 2:20:00PM, GDC)

Main data table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their test results.

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-25		Client Sample Name: GDC-1-0.5, 11/21/2014 2:20:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00045	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00056	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00064	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0038	0.00090	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00053	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00053	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0019	0.00045	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00079	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00075	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00029	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00041	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00060	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00049	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00056	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00060	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00083	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00045	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-25	<b>Client Sample Name:</b> GDC-1-0.5, 11/21/2014 2:20:00PM, GDC
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/29/14 12:55	ADC	MS-V2	0.376	BXK2379

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-25	<b>Client Sample Name:</b> GDC-1-0.5, 11/21/2014 2:20:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	0.0025	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND	J	1
Benzo[b]fluoranthene	0.0052	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	0.0029	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND	J	1
Benzo[a]pyrene	0.0045	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	0.0051	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	0.0071	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	0.0040	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Pyrene	0.013	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	63.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	71.6	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	127	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 17:24	MK1	MS-B4	0.986	BXK2283

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-25		Client Sample Name: GDC-1-0.5, 11/21/2014 2:20:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C12 - C14</b>	<b>0.56</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C23 - C28</b>	<b>3.7</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C29 - C32</b>	<b>2.1</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C33 - C36</b>	<b>3.1</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>10</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	ND		1
Tetracosane (Surrogate)	66.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:34	MWB	GC-2	1.003	BXK2330

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-25	<b>Client Sample Name:</b> GDC-1-0.5, 11/21/2014 2:20:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.2	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	66	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.21	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	6.8	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	3.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.5	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	4.9	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	0.22	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	4.4	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.6	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.85	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	35	mg/kg	2.5	0.087	EPA-6010B	0.43		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:19	ARD	PE-OP2	0.971	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:35	MEV	CETAC1	1.008	BXK2260

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-26	<b>Client Sample Name:</b> GDC-1-1.5, 11/21/2014 2:25:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0018	0.00033	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0018	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0018	0.00035	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0018	0.00064	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0018	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0018	0.00029	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-26		Client Sample Name: GDC-1-1.5, 11/21/2014 2:25:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00060	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0035	0.00085	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00050	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00074	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00071	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00027	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00039	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00046	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00053	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00057	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0035	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00078	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00043	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-26	<b>Client Sample Name:</b> GDC-1-1.5, 11/21/2014 2:25:00PM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/29/14	13:17	ADC	MS-V2	0.355	BXK2379

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

BCL Sample ID: 1427827-26		Client Sample Name: GDC-1-1.5, 11/21/2014 2:25:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]anthracene	0.0030	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[b]fluoranthene	0.0053	mg/kg	0.0030	0.0016	EPA-8270C-SIM	ND		1
Benzo[k]fluoranthene	0.0034	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Benzo[a]pyrene	0.0052	mg/kg	0.0030	0.0014	EPA-8270C-SIM	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
Chrysene	0.0058	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
Fluoranthene	0.0075	mg/kg	0.0030	0.0015	EPA-8270C-SIM	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	0.0028	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND	J	1
Pyrene	0.015	mg/kg	0.0030	0.0019	EPA-8270C-SIM	ND		1
Nitrobenzene-d5 (Surrogate)	67.0	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	74.5	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	143	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 17:50	MK1	MS-B4	1.010	BXK2283

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-26		Client Sample Name: GDC-1-1.5, 11/21/2014 2:25:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C23 - C28</b>	<b>3.7</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C29 - C32</b>	<b>2.1</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C33 - C36</b>	<b>3.7</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>9.4</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	ND	<b>J</b>	1
Tetracosane (Surrogate)	67.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 21:56	MWB	GC-2	0.993	BXK2330

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-26	<b>Client Sample Name:</b> GDC-1-1.5, 11/21/2014 2:25:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	6.0	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	69	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.20	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	7.1	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	4.1	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	6.8	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	5.4	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	ND	mg/kg	0.16	0.036	EPA-7471A	ND		2
Molybdenum	0.41	mg/kg	2.5	0.050	EPA-6010B	0.20	J	1
Nickel	4.9	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	2.1	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	25	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	34	mg/kg	2.5	0.087	EPA-6010B	0.41		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:24	ARD	PE-OP2	0.926	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:37	MEV	CETAC1	0.992	BXK2260

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-27	<b>Client Sample Name:</b> GDC-2-0.5, 11/21/2014 2:36:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0024	0.00044	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0024	0.00040	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0024	0.00030	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0024	0.00086	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0024	0.00047	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0024	0.00081	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0024	0.00048	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0024	0.00086	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0024	0.00039	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0024	0.00040	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0024	0.00039	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-27	<b>Client Sample Name:</b> GDC-2-0.5, 11/21/2014 2:36:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0024	0.00081	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0048	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0024	0.00024	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0024	0.00067	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0024	0.0010	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0024	0.00095	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0024	0.00037	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0024	0.00052	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0024	0.00062	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0024	0.00071	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0024	0.00076	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0048	0.0016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0024	0.0010	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0024	0.00057	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-27	<b>Client Sample Name:</b> GDC-2-0.5, 11/21/2014 2:36:00PM, GDC
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/26/14	11/29/14 13:40	ADC	MS-V2	0.476	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-27	<b>Client Sample Name:</b> GDC-2-0.5, 11/21/2014 2:36:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Benzo[a]anthracene</b>	<b>0.0039</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[b]fluoranthene</b>	<b>0.0073</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0016</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[k]fluoranthene</b>	<b>0.0034</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[a]pyrene</b>	<b>0.0063</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0014</b>	<b>EPA-8270C-SIM</b>	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
<b>Chrysene</b>	<b>0.0065</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
<b>Fluoranthene</b>	<b>0.0091</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0015</b>	<b>EPA-8270C-SIM</b>	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Phenanthrene</b>	<b>0.0031</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Pyrene</b>	<b>0.013</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0019</b>	<b>EPA-8270C-SIM</b>	ND		1
Nitrobenzene-d5 (Surrogate)	73.9	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	80.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	120	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 18:16	MK1	MS-B4	1.003	BXK2283

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-27		Client Sample Name: GDC-2-0.5, 11/21/2014 2:36:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C12 - C14</b>	<b>0.62</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C21 - C22</b>	<b>0.68</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C23 - C28</b>	<b>4.7</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C29 - C32</b>	<b>3.8</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C33 - C36</b>	<b>7.3</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C37 - C40</b>	<b>3.5</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>22</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	ND		1
Tetracosane (Surrogate)	71.8	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 22:19	MWB	GC-2	1.007	BXK2330

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-27	<b>Client Sample Name:</b> GDC-2-0.5, 11/21/2014 2:36:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.27	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	8.7	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	4.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	8.9	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	8.0	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.050	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	0.49	mg/kg	2.5	0.050	EPA-6010B	0.20	J	1
Nickel	6.0	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.7	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.6	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	29	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	43	mg/kg	2.5	0.087	EPA-6010B	0.41		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:25	ARD	PE-OP2	0.926	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:39	MEV	CETAC1	0.992	BXK2260

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-28	<b>Client Sample Name:</b> GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0017	0.00032	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0017	0.00029	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0017	0.00056	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0017	0.00022	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0017	0.00063	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0017	0.00035	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0017	0.00059	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0017	0.00035	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0017	0.00063	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0017	0.00030	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-28		Client Sample Name: GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0017	0.00059	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0035	0.00084	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0017	0.00017	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0017	0.00049	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.00073	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.00070	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.00027	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0017	0.00038	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.00056	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.00045	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.00052	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0017	0.00056	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0035	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0017	0.00077	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0017	0.00042	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-28	<b>Client Sample Name:</b> GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC
----------------------------------	---

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/29/14	14:02	ADC	MS-V2	0.350	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-28	<b>Client Sample Name:</b> GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Benzo[a]anthracene</b>	<b>0.0029</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[b]fluoranthene</b>	<b>0.0053</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0016</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[k]fluoranthene</b>	<b>0.0022</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[a]pyrene</b>	<b>0.0047</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0014</b>	<b>EPA-8270C-SIM</b>	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
<b>Chrysene</b>	<b>0.0044</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
<b>Fluoranthene</b>	<b>0.0067</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0015</b>	<b>EPA-8270C-SIM</b>	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Phenanthrene</b>	<b>0.0027</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Pyrene</b>	<b>0.012</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0019</b>	<b>EPA-8270C-SIM</b>	ND		1
Nitrobenzene-d5 (Surrogate)	61.2	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	65.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	117	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 18:42	MK1	MS-B4	0.990	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-28		Client Sample Name: GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C12 - C14</b>	<b>0.82</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH - C17 - C18</b>	<b>0.66</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C19 - C20</b>	<b>0.60</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C21 - C22</b>	<b>0.74</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND	J	1
<b>TPH - C23 - C28</b>	<b>5.4</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C29 - C32</b>	<b>4.2</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C33 - C36</b>	<b>7.3</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
<b>TPH - C37 - C40</b>	<b>3.9</b>	<b>mg/kg</b>	<b>1.0</b>	<b>0.50</b>	<b>EPA-8015CC</b>	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>24</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	ND		1
Tetracosane (Surrogate)	70.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 22:42	MWB	GC-2	0.993	BXK2330

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

BCL Sample ID: 1427827-28		Client Sample Name: GDC-2-0.5-DUP, 11/21/2014 2:37:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	13	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	10	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	8.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.072	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	0.41	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	7.3	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.8	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	51	mg/kg	2.5	0.087	EPA-6010B	0.42		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:27	ARD	PE-OP2	0.943	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:42	MEV	CETAC1	0.977	BXK2260

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

**BCL Sample ID:** 1427827-29      **Client Sample Name:** GDC-2-1.5, 11/21/2014 2:42:00PM, GDC

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0017	0.00031	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0017	0.00029	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0017	0.00054	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0017	0.00021	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0017	0.00061	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0017	0.00034	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0017	0.00058	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0017	0.00034	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0017	0.00061	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0017	0.00029	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0017	0.00028	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-29		Client Sample Name: GDC-2-1.5, 11/21/2014 2:42:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0017	0.00058	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0034	0.00082	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0017	0.00017	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0017	0.00048	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0017	0.00071	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0017	0.00068	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0017	0.00026	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0017	0.00037	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0017	0.00054	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0017	0.00044	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0017	0.00051	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0017	0.00054	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0034	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0017	0.00075	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0017	0.00041	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	124	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	98.0	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-29	<b>Client Sample Name:</b> GDC-2-1.5, 11/21/2014 2:42:00PM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/29/14	14:24	ADC	MS-V2	0.340	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-29	<b>Client Sample Name:</b> GDC-2-1.5, 11/21/2014 2:42:00PM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Benzo[a]anthracene</b>	<b>0.0023</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[b]fluoranthene</b>	<b>0.0054</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0016</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[k]fluoranthene</b>	<b>0.0024</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[a]pyrene</b>	<b>0.0041</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0014</b>	<b>EPA-8270C-SIM</b>	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
<b>Chrysene</b>	<b>0.0042</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
<b>Fluoranthene</b>	<b>0.0050</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0015</b>	<b>EPA-8270C-SIM</b>	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Phenanthrene</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Pyrene</b>	<b>0.011</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0019</b>	<b>EPA-8270C-SIM</b>	ND		1
Nitrobenzene-d5 (Surrogate)	77.5	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	76.7	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	140	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 19:08	MK1	MS-B4	0.963	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-29		Client Sample Name: GDC-2-1.5, 11/21/2014 2:42:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	0.72	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C15 - C16	0.50	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	0.72	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	0.66	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.61	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	5.8	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	4.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	8.2	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	3.8	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>26</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	78.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/02/14 06:20	MWB	GC-2	1	BXK2330

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-29	<b>Client Sample Name:</b> GDC-2-1.5, 11/21/2014 2:42:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	93	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.26	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	8.3	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	4.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	8.6	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	7.3	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.047	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	0.35	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	6.2	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.8	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.80	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	44	mg/kg	2.5	0.087	EPA-6010B	0.42		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:28	ARD	PE-OP2	0.962	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:44	MEV	CETAC1	0.992	BXK2260

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Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Table with 2 columns: BCL Sample ID (1427827-30) and Client Sample Name (GDC-3-0.5, 11/21/2014 2:50:00PM, GDC)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quas, Run #. Lists various chemical compounds and their analysis results.

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-30		Client Sample Name: GDC-3-0.5, 11/21/2014 2:50:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0018	0.00055	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0018	0.00062	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0037	0.00088	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0018	0.00018	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0018	0.00051	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0018	0.00051	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0018	0.00077	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0018	0.00074	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0018	0.00028	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0018	0.00040	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0018	0.00059	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0018	0.00048	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0018	0.00055	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0018	0.00059	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0037	0.0012	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0018	0.00081	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0018	0.00044	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	127	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	96.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-30	<b>Client Sample Name:</b> GDC-3-0.5, 11/21/2014 2:50:00PM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/29/14	14:46	ADC	MS-V2	0.368	BXK2379

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-30	<b>Client Sample Name:</b> GDC-3-0.5, 11/21/2014 2:50:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Benzo[a]anthracene</b>	<b>0.0021</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[b]fluoranthene</b>	<b>0.0042</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0016</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[k]fluoranthene</b>	<b>0.0020</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[a]pyrene</b>	<b>0.0038</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0014</b>	<b>EPA-8270C-SIM</b>	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
<b>Chrysene</b>	<b>0.0044</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
<b>Fluoranthene</b>	<b>0.0052</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0015</b>	<b>EPA-8270C-SIM</b>	ND		1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Phenanthrene</b>	<b>0.0017</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Pyrene</b>	<b>0.0098</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0019</b>	<b>EPA-8270C-SIM</b>	ND		1
Nitrobenzene-d5 (Surrogate)	67.9	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	73.4	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	129	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 19:34	MK1	MS-B4	0.997	BXK2283

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-30		Client Sample Name: GDC-3-0.5, 11/21/2014 2:50:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	0.75	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	0.82	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	0.73	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.90	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	6.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	6.0	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	9.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	5.7	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>31</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	69.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 15:15	MWB	GC-2	1.014	BXK2330

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-30	<b>Client Sample Name:</b> GDC-3-0.5, 11/21/2014 2:50:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	16	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	0.23		1
Beryllium	0.33	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	10	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.5	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	11	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	7.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.087	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	0.30	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	7.4	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.8	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	50	mg/kg	2.5	0.087	EPA-6010B	0.43		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:29	ARD	PE-OP2	0.971	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:46	MEV	CETAC1	0.962	BXK2260

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-31	<b>Client Sample Name:</b> GDC-3-1.5, 11/21/2014 2:57:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0019	0.00035	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0019	0.00032	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0019	0.00024	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0019	0.00038	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0019	0.00069	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0019	0.00033	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0019	0.00031	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 1427827-31		Client Sample Name: GDC-3-1.5, 11/21/2014 2:57:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0019	0.00065	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0019	0.00019	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0019	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
<b>Toluene</b>	<b>0.00056</b>	<b>mg/kg</b>	<b>0.0019</b>	<b>0.00046</b>	<b>EPA-8260B</b>	ND	<b>J</b>	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0019	0.00081	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0019	0.00077	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0019	0.00030	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0019	0.00042	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0019	0.00050	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0019	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0019	0.00062	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0038	0.0013	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0019	0.00085	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0019	0.00046	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	124	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1427827-31	<b>Client Sample Name:</b> GDC-3-1.5, 11/21/2014 2:57:00PM, GDC
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Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-8260B	11/26/14	11/29/14	15:08	ADC	MS-V2	0.385	BXK2379

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

<b>BCL Sample ID:</b> 1427827-31	<b>Client Sample Name:</b> GDC-3-1.5, 11/21/2014 2:57:00PM, GDC
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Acenaphthylene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Anthracene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Benzo[a]anthracene</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[b]fluoranthene</b>	<b>0.0031</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0016</b>	<b>EPA-8270C-SIM</b>	ND		1
<b>Benzo[k]fluoranthene</b>	<b>0.0013</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
<b>Benzo[a]pyrene</b>	<b>0.0029</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0014</b>	<b>EPA-8270C-SIM</b>	ND	J	1
Benzo[g,h,i]perylene	ND	mg/kg	0.0030	0.0026	EPA-8270C-SIM	ND		1
<b>Chrysene</b>	<b>0.0026</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0012</b>	<b>EPA-8270C-SIM</b>	ND	J	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.0030	0.0021	EPA-8270C-SIM	ND		1
<b>Fluoranthene</b>	<b>0.0025</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0015</b>	<b>EPA-8270C-SIM</b>	ND	J	1
Fluorene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.0030	0.0024	EPA-8270C-SIM	ND		1
Naphthalene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
Phenanthrene	ND	mg/kg	0.0030	0.0012	EPA-8270C-SIM	ND		1
<b>Pyrene</b>	<b>0.0055</b>	<b>mg/kg</b>	<b>0.0030</b>	<b>0.0019</b>	<b>EPA-8270C-SIM</b>	ND		1
Nitrobenzene-d5 (Surrogate)	73.4	%	30 - 110 (LCL - UCL)		EPA-8270C-SIM			1
2-Fluorobiphenyl (Surrogate)	79.1	%	40 - 120 (LCL - UCL)		EPA-8270C-SIM			1
p-Terphenyl-d14 (Surrogate)	147	%	34 - 120 (LCL - UCL)		EPA-8270C-SIM		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C-SIM	11/25/14	11/26/14 20:00	MK1	MS-B4	0.997	BXK2283

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-31		Client Sample Name: GDC-3-1.5, 11/21/2014 2:57:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	0.66	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C15 - C16	0.53	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C17 - C18	0.65	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C19 - C20	0.61	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C21 - C22	0.59	mg/kg	1.0	0.50	EPA-8015CC	ND	J	1
TPH - C23 - C28	5.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	5.6	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	8.7	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	5.3	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
<b>TPH (Total)</b>	<b>28</b>	<b>mg/kg</b>	<b>10</b>	<b>2.3</b>	<b>EPA-8015CC</b>	<b>ND</b>		<b>1</b>
Tetracosane (Surrogate)	73.7	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	12/01/14 15:38	MWB	GC-2	1.003	BXK2330

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1427827-31	<b>Client Sample Name:</b> GDC-3-1.5, 11/21/2014 2:57:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	16	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	110	mg/kg	0.50	0.18	EPA-6010B	0.22		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	9.9	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	5.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	10	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	6.7	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.099	mg/kg	0.16	0.036	EPA-7471A	ND	J	2
Molybdenum	0.26	mg/kg	2.5	0.050	EPA-6010B	0.21	J	1
Nickel	6.9	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	2.7	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	49	mg/kg	2.5	0.087	EPA-6010B	0.42		1

Run #	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC
			Date/Time					Batch ID
1	EPA-6010B	11/26/14	12/01/14	09:31	ARD	PE-OP2	0.952	BXK2365
2	EPA-7471A	11/26/14	12/01/14	10:48	MEV	CETAC1	1.008	BXK2260

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1427827-32	<b>Client Sample Name:</b> EB-11212014, 11/21/2014 3:00:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C10 - C11	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C12 - C14	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C15 - C16	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C17 - C18	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C19 - C20	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C21 - C22	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C23 - C28	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C29 - C32	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C33 - C36	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C37 - C40	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C41 - C43	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH - C44 plus	ND	ug/L	25	12	EPA-8015CC	ND		1
TPH (Total)	ND	ug/L	500	250	EPA-8015CC	ND		1
Tetracosane (Surrogate)	84.2	%	37 - 134 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 13:08	MWB	GC-2	2.500	BXK2274

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Metals Analysis

<b>BCL Sample ID:</b> 1427827-32	<b>Client Sample Name:</b> EB-11212014, 11/21/2014 3:00:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	4.9	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	9.2	EPA-6010B	ND		1
<b>Dissolved Barium</b>	<b>11</b>	<b>ug/L</b>	<b>10</b>	<b>3.5</b>	<b>EPA-6010B</b>	ND		1
Dissolved Beryllium	ND	ug/L	10	0.50	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	1.1	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	1.0	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	1.1	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	1.0	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	3.5	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	0.033	EPA-7470A	ND		2
<b>Dissolved Molybdenum</b>	<b>5.8</b>	<b>ug/L</b>	<b>50</b>	<b>1.4</b>	<b>EPA-6010B</b>	ND	J	1
Dissolved Nickel	ND	ug/L	10	2.4	EPA-6010B	ND		1
<b>Dissolved Selenium</b>	<b>18</b>	<b>ug/L</b>	<b>100</b>	<b>15</b>	<b>EPA-6010B</b>	17	J	1
Dissolved Silver	ND	ug/L	10	1.2	EPA-6010B	ND		1
<b>Dissolved Thallium</b>	<b>20</b>	<b>ug/L</b>	<b>100</b>	<b>10</b>	<b>EPA-6010B</b>	ND	J	1
<b>Dissolved Vanadium</b>	<b>4.9</b>	<b>ug/L</b>	<b>10</b>	<b>2.2</b>	<b>EPA-6010B</b>	ND	J	1
Dissolved Zinc	ND	ug/L	10	5.0	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/24/14	11/25/14 10:42	ARD	PE-OP2	1	BXK2109
2	EPA-7470A	11/25/14	11/25/14 13:58	MEV	CETAC1	1	BXK2166

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

BCL Sample ID: 1427827-33		Client Sample Name: EB-11202014, 11/20/2014 6:00:00PM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C10 - C11	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C12 - C14	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C15 - C16	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C17 - C18	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C19 - C20	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C21 - C22	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C23 - C28	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C29 - C32	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C33 - C36	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C37 - C40	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C41 - C43	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH - C44 plus	ND	ug/L	27	13	EPA-8015CC	ND		1
TPH (Total)	ND	ug/L	530	270	EPA-8015CC	ND		1
Tetracosane (Surrogate)	80.6	%	37 - 134 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	11/25/14	11/26/14 13:31	MWB	GC-2	2.667	BXK2274

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Metals Analysis

<b>BCL Sample ID:</b> 1427827-33	<b>Client Sample Name:</b> EB-11202014, 11/20/2014 6:00:00PM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	4.9	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	9.2	EPA-6010B	ND		1
<b>Dissolved Barium</b>	<b>9.8</b>	<b>ug/L</b>	<b>10</b>	<b>3.5</b>	<b>EPA-6010B</b>	ND	J	1
Dissolved Beryllium	ND	ug/L	10	0.50	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	1.1	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	1.0	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	1.1	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	1.0	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	3.5	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	0.033	EPA-7470A	ND		2
<b>Dissolved Molybdenum</b>	<b>3.4</b>	<b>ug/L</b>	<b>50</b>	<b>1.4</b>	<b>EPA-6010B</b>	ND	J	1
Dissolved Nickel	ND	ug/L	10	2.4	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	15	EPA-6010B	17		1
Dissolved Silver	ND	ug/L	10	1.2	EPA-6010B	ND		1
<b>Dissolved Thallium</b>	<b>17</b>	<b>ug/L</b>	<b>100</b>	<b>10</b>	<b>EPA-6010B</b>	ND	J	1
Dissolved Vanadium	ND	ug/L	10	2.2	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	5.0	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	11/24/14	11/25/14 10:44	ARD	PE-OP2	1	BXK2109
2	EPA-7470A	11/25/14	11/25/14 14:01	MEV	CETAC1	1	BXK2166

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1427827-34	<b>Client Sample Name:</b> Trip Blank, 11/21/2014 12:00:00AM, GDC
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1427827-34		Client Sample Name: Trip Blank, 11/21/2014 12:00:00AM, GDC						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1427827-34	<b>Client Sample Name:</b> Trip Blank, 11/21/2014 12:00:00AM, GDC
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Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/24/14	11/26/14 03:50	MGC	MS-V5	1	BXK2022

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2022</b>						
Benzene	BXK2022-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BXK2022-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BXK2022-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BXK2022-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BXK2022-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BXK2022-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BXK2022-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BXK2022-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BXK2022-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BXK2022-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BXK2022-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BXK2022-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BXK2022-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BXK2022-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BXK2022-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BXK2022-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BXK2022-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BXK2022-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BXK2022-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BXK2022-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BXK2022-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BXK2022-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BXK2022-BLK1	ND	ug/L	0.50	0.14	

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2022</b>						
trans-1,3-Dichloropropene	BXK2022-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BXK2022-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	BXK2022-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	BXK2022-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BXK2022-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BXK2022-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.11	
Styrene	BXK2022-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.18	
1,1,1,2,2-Tetrachloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BXK2022-BLK1	ND	ug/L	0.50	0.13	
Toluene	BXK2022-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BXK2022-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BXK2022-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BXK2022-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BXK2022-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BXK2022-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK2022-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BXK2022-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BXK2022-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BXK2022-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	BXK2022-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BXK2022-BLK1	ND	ug/L	0.50	0.082	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK2022-BLK1</b>	<b>106</b>	<b>%</b>	<b>75 - 125 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK2022-BLK1</b>	<b>100</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK2022-BLK1</b>	<b>88.6</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2022</b>										
Benzene	BXK2022-BS1	LCS	24.650	25.000	ug/L	98.6		70 - 130		
Bromodichloromethane	BXK2022-BS1	LCS	26.950	25.000	ug/L	108		70 - 130		
Chlorobenzene	BXK2022-BS1	LCS	25.360	25.000	ug/L	101		70 - 130		
Chloroethane	BXK2022-BS1	LCS	24.070	25.000	ug/L	96.3		70 - 130		
1,4-Dichlorobenzene	BXK2022-BS1	LCS	23.060	25.000	ug/L	92.2		70 - 130		
1,1-Dichloroethane	BXK2022-BS1	LCS	23.690	25.000	ug/L	94.8		70 - 130		
1,1-Dichloroethene	BXK2022-BS1	LCS	25.070	25.000	ug/L	100		70 - 130		
Toluene	BXK2022-BS1	LCS	24.280	25.000	ug/L	97.1		70 - 130		
Trichloroethene	BXK2022-BS1	LCS	27.260	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK2022-BS1	LCS	10.740	10.000	ug/L	107		75 - 125		
Toluene-d8 (Surrogate)	BXK2022-BS1	LCS	9.8400	10.000	ug/L	98.4		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXK2022-BS1	LCS	9.6300	10.000	ug/L	96.3		80 - 120		

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2022</b>		Used client sample: N								
Benzene	MS	1427725-01	0.15000	24.700	25.000	ug/L		98.2		70 - 130
	MSD	1427725-01	0.15000	25.010	25.000	ug/L	1.2	99.4	20	70 - 130
Bromodichloromethane	MS	1427725-01	ND	27.080	25.000	ug/L		108		70 - 130
	MSD	1427725-01	ND	26.860	25.000	ug/L	0.8	107	20	70 - 130
Chlorobenzene	MS	1427725-01	3.3700	28.950	25.000	ug/L		102		70 - 130
	MSD	1427725-01	3.3700	28.290	25.000	ug/L	2.3	99.7	20	70 - 130
Chloroethane	MS	1427725-01	ND	24.260	25.000	ug/L		97.0		70 - 130
	MSD	1427725-01	ND	24.170	25.000	ug/L	0.4	96.7	20	70 - 130
1,4-Dichlorobenzene	MS	1427725-01	0.89000	24.750	25.000	ug/L		95.4		70 - 130
	MSD	1427725-01	0.89000	24.610	25.000	ug/L	0.6	94.9	20	70 - 130
1,1-Dichloroethane	MS	1427725-01	10.960	34.710	25.000	ug/L		95.0		70 - 130
	MSD	1427725-01	10.960	34.480	25.000	ug/L	0.7	94.1	20	70 - 130
1,1-Dichloroethene	MS	1427725-01	ND	24.930	25.000	ug/L		99.7		70 - 130
	MSD	1427725-01	ND	24.780	25.000	ug/L	0.6	99.1	20	70 - 130
Toluene	MS	1427725-01	ND	24.380	25.000	ug/L		97.5		70 - 130
	MSD	1427725-01	ND	24.060	25.000	ug/L	1.3	96.2	20	70 - 130
Trichloroethene	MS	1427725-01	3.7300	28.410	25.000	ug/L		98.7		70 - 130
	MSD	1427725-01	3.7300	28.100	25.000	ug/L	1.1	97.5	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1427725-01	ND	10.670	10.000	ug/L		107		75 - 125
	MSD	1427725-01	ND	10.660	10.000	ug/L	0.1	107		75 - 125
Toluene-d8 (Surrogate)	MS	1427725-01	ND	9.8500	10.000	ug/L		98.5		80 - 120
	MSD	1427725-01	ND	9.8600	10.000	ug/L	0.1	98.6		80 - 120
4-Bromofluorobenzene (Surrogate)	MS	1427725-01	ND	9.8100	10.000	ug/L		98.1		80 - 120
	MSD	1427725-01	ND	9.7200	10.000	ug/L	0.9	97.2		80 - 120

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2378</b>						
Benzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXK2378-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2378</b>						
trans-1,3-Dichloropropene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXK2378-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXK2378-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,1,2-Tetrachloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXK2378-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXK2378-BLK1	ND	mg/kg	0.010	0.0034	
t-Amyl Methyl ether	BXK2378-BLK1	ND	mg/kg	0.0050	0.00056	
t-Butyl alcohol	BXK2378-BLK1	ND	mg/kg	0.050	0.017	
Diisopropyl ether	BXK2378-BLK1	ND	mg/kg	0.0050	0.00080	
Ethanol	BXK2378-BLK1	ND	mg/kg	1.0	0.066	
Ethyl t-butyl ether	BXK2378-BLK1	ND	mg/kg	0.0050	0.00022	
p- & m-Xylenes	BXK2378-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXK2378-BLK1	ND	mg/kg	0.0050	0.0012	
Total Purgeable Petroleum Hydrocarbons	BXK2378-BLK1	ND	mg/kg	0.20	0.020	

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2378</b>						
1,2-Dichloroethane-d4 (Surrogate)	BXK2378-BLK1	94.7	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BXK2378-BLK1	93.1	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BXK2378-BLK1	94.9	%	74 - 121 (LCL - UCL)		

<b>QC Batch ID: BXK2379</b>						
Benzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXK2379-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXK2379-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2379</b>						
1,2-Dichloropropane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXK2379-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXK2379-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXK2379-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXK2379-BLK1	ND	mg/kg	0.010	0.0034	
t-Amyl Methyl ether	BXK2379-BLK1	ND	mg/kg	0.0050	0.00056	
t-Butyl alcohol	BXK2379-BLK1	ND	mg/kg	0.050	0.017	
Diisopropyl ether	BXK2379-BLK1	ND	mg/kg	0.0050	0.00080	

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**Reported:** 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2379</b>						
Ethanol	BXK2379-BLK1	ND	mg/kg	1.0	0.066	
Ethyl t-butyl ether	BXK2379-BLK1	ND	mg/kg	0.0050	0.00022	
p- & m-Xylenes	BXK2379-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXK2379-BLK1	ND	mg/kg	0.0050	0.0012	
Total Purgeable Petroleum Hydrocarbons	BXK2379-BLK1	ND	mg/kg	0.20	0.020	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXK2379-BLK1</b>	<b>99.6</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXK2379-BLK1</b>	<b>95.5</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXK2379-BLK1</b>	<b>98.9</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2378</b>										
Benzene	BXK2378-BS1	LCS	0.11555	0.12500	mg/kg	92.4		70 - 130		
Bromodichloromethane	BXK2378-BS1	LCS	0.12690	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXK2378-BS1	LCS	0.12514	0.12500	mg/kg	100		70 - 130		
Chloroethane	BXK2378-BS1	LCS	0.12608	0.12500	mg/kg	101		70 - 130		
1,4-Dichlorobenzene	BXK2378-BS1	LCS	0.12825	0.12500	mg/kg	103		70 - 130		
1,1-Dichloroethane	BXK2378-BS1	LCS	0.12001	0.12500	mg/kg	96.0		70 - 130		
1,1-Dichloroethene	BXK2378-BS1	LCS	0.11497	0.12500	mg/kg	92.0		70 - 130		
Toluene	BXK2378-BS1	LCS	0.11466	0.12500	mg/kg	91.7		70 - 130		
Trichloroethene	BXK2378-BS1	LCS	0.12029	0.12500	mg/kg	96.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK2378-BS1	LCS	0.052570	0.050000	mg/kg	105		70 - 121		
Toluene-d8 (Surrogate)	BXK2378-BS1	LCS	0.047640	0.050000	mg/kg	95.3		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXK2378-BS1	LCS	0.050180	0.050000	mg/kg	100		74 - 121		
<b>QC Batch ID: BXK2379</b>										
Benzene	BXK2379-BS1	LCS	0.11708	0.12500	mg/kg	93.7		70 - 130		
Bromodichloromethane	BXK2379-BS1	LCS	0.12480	0.12500	mg/kg	99.8		70 - 130		
Chlorobenzene	BXK2379-BS1	LCS	0.12735	0.12500	mg/kg	102		70 - 130		
Chloroethane	BXK2379-BS1	LCS	0.12161	0.12500	mg/kg	97.3		70 - 130		
1,4-Dichlorobenzene	BXK2379-BS1	LCS	0.12909	0.12500	mg/kg	103		70 - 130		
1,1-Dichloroethane	BXK2379-BS1	LCS	0.12063	0.12500	mg/kg	96.5		70 - 130		
1,1-Dichloroethene	BXK2379-BS1	LCS	0.11835	0.12500	mg/kg	94.7		70 - 130		
Toluene	BXK2379-BS1	LCS	0.11735	0.12500	mg/kg	93.9		70 - 130		
Trichloroethene	BXK2379-BS1	LCS	0.12398	0.12500	mg/kg	99.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXK2379-BS1	LCS	0.050600	0.050000	mg/kg	101		70 - 121		
Toluene-d8 (Surrogate)	BXK2379-BS1	LCS	0.047900	0.050000	mg/kg	95.8		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXK2379-BS1	LCS	0.048920	0.050000	mg/kg	97.8		74 - 121		

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Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes two sections for QC Batch IDs B XK2378 and B XK2379.

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2379</b>		Used client sample: N								
1,1-Dichloroethene	MS	1428224-04	ND	0.11335	0.12500	mg/kg		90.7		70 - 130
	MSD	1428224-04	ND	0.11588	0.12500	mg/kg	2.2	92.7	20	70 - 130
Toluene	MS	1428224-04	ND	0.11774	0.12500	mg/kg		94.2		70 - 130
	MSD	1428224-04	ND	0.11769	0.12500	mg/kg	0.0	94.2	20	70 - 130
Trichloroethene	MS	1428224-04	ND	0.12235	0.12500	mg/kg		97.9		70 - 130
	MSD	1428224-04	ND	0.12256	0.12500	mg/kg	0.2	98.0	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1428224-04	ND	0.051240	0.050000	mg/kg		102		70 - 121
	MSD	1428224-04	ND	0.049970	0.050000	mg/kg	2.5	99.9		70 - 121
Toluene-d8 (Surrogate)	MS	1428224-04	ND	0.048790	0.050000	mg/kg		97.6		81 - 117
	MSD	1428224-04	ND	0.048520	0.050000	mg/kg	0.6	97.0		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1428224-04	ND	0.049050	0.050000	mg/kg		98.1		74 - 121
	MSD	1428224-04	ND	0.049590	0.050000	mg/kg	1.1	99.2		74 - 121

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2283</b>						
Acenaphthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Acenaphthylene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[b]fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0016	
Benzo[k]fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Benzo[a]pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0014	
Benzo[g,h,i]perylene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0026	
Chrysene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Dibenzo[a,h]anthracene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0021	
Fluoranthene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0015	
Fluorene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Indeno[1,2,3-cd]pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0024	
Naphthalene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Phenanthrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0012	
Pyrene	BXK2283-BLK1	ND	mg/kg	0.0030	0.0019	
<b>Nitrobenzene-d5 (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>67.6</b>	<b>%</b>	<b>30 - 110 (LCL - UCL)</b>		
<b>2-Fluorobiphenyl (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>69.2</b>	<b>%</b>	<b>40 - 120 (LCL - UCL)</b>		
<b>p-Terphenyl-d14 (Surrogate)</b>	<b>BXK2283-BLK1</b>	<b>94.8</b>	<b>%</b>	<b>34 - 120 (LCL - UCL)</b>		

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Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

## Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2283</b>										
Acenaphthene	BXK2283-BS1	LCS	0.025590		mg/kg			52 - 130		
Acenaphthylene	BXK2283-BS1	LCS	0.029240		mg/kg			52 - 130		
Anthracene	BXK2283-BS1	LCS	0.038917		mg/kg			52 - 130		
Benzo[a]anthracene	BXK2283-BS1	LCS	0.029399		mg/kg			60 - 130		
Benzo[b]fluoranthene	BXK2283-BS1	LCS	0.021851		mg/kg			55 - 130		
Benzo[k]fluoranthene	BXK2283-BS1	LCS	0.030445		mg/kg			47 - 130		
Benzo[a]pyrene	BXK2283-BS1	LCS	0.031205		mg/kg			40 - 130		
Benzo[g,h,i]perylene	BXK2283-BS1	LCS	0.013694		mg/kg			50 - 130		
Chrysene	BXK2283-BS1	LCS	0.027300		mg/kg			50 - 130		
Dibenzo[a,h]anthracene	BXK2283-BS1	LCS	0.012171		mg/kg			50 - 130		
Fluoranthene	BXK2283-BS1	LCS	0.029161		mg/kg			60 - 130		
Fluorene	BXK2283-BS1	LCS	0.027187		mg/kg			50 - 130		
Indeno[1,2,3-cd]pyrene	BXK2283-BS1	LCS	0.010936		mg/kg			50 - 130		
Naphthalene	BXK2283-BS1	LCS	0.025132		mg/kg			50 - 130		
Phenanthrene	BXK2283-BS1	LCS	0.026422		mg/kg			50 - 130		
Pyrene	BXK2283-BS1	LCS	0.037035		mg/kg			50 - 130		
Nitrobenzene-d5 (Surrogate)	BXK2283-BS1	LCS	0.10053	0.13423	mg/kg	74.9		30 - 110		
2-Fluorobiphenyl (Surrogate)	BXK2283-BS1	LCS	0.10109	0.13423	mg/kg	75.3		40 - 120		
p-Terphenyl-d14 (Surrogate)	BXK2283-BS1	LCS	0.15002	0.13423	mg/kg	112		34 - 120		

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Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes QC Batch ID: BXK2283 and Used client sample: Y - Description: GDC-14-5, 11/21/2014 09:25.

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Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Polynuclear Aromatic Hydrocarbons (EPA Method 8270C-SIM)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BXK2283</b>		Used client sample: Y - Description: GDC-14-5, 11/21/2014 09:25									
p-Terphenyl-d14 (Surrogate)	MS	1427827-02	ND	0.11049	0.13378	mg/kg		82.6		34 - 120	
	MSD	1427827-02	ND	0.11787	0.13378	mg/kg	6.5	88.1		34 - 120	

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Total Petroleum Hydrocarbons

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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**QC Batch ID: BXK2274**

TPH - C8 - C9	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C10 - C11	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C12 - C14	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C15 - C16	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C17 - C18	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C19 - C20	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C21 - C22	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C23 - C28	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C29 - C32	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C33 - C36	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C37 - C40	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C41 - C43	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH - C44 plus	BXK2274-BLK1	ND	ug/L	10	5.0	
TPH (Total)	BXK2274-BLK1	ND	ug/L	200	100	
TPH - Diesel (FFP)	BXK2274-BLK1	ND	ug/L	200	34	
<b>Tetracosane (Surrogate)</b>	<b>BXK2274-BLK1</b>	<b>85.0</b>	<b>%</b>	<b>37 - 134 (LCL - UCL)</b>		

**QC Batch ID: BXK2330**

TPH - C8 - C9	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXK2330-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXK2330-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXK2330-BLK1	ND	mg/kg	10	1.2	
<b>Tetracosane (Surrogate)</b>	<b>BXK2330-BLK1</b>	<b>84.3</b>	<b>%</b>	<b>20 - 145 (LCL - UCL)</b>		

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**Reported:** 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2340</b>						
Diesel Range Organics (C12 - C24)	BXK2340-BLK1	ND	mg/kg	2.0	0.24	
Tetracosane (Surrogate)	BXK2340-BLK1	75.8	%	40 - 130 (LCL - UCL)		

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**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2274</b>										
TPH - Diesel (FFP)	BXK2274-BS1	LCS	1929.5	2500.0	ug/L	77.2		52 - 128		
Tetracosane (Surrogate)	BXK2274-BS1	LCS	86.815	100.00	ug/L	86.8		37 - 134		
<b>QC Batch ID: BXK2330</b>										
TPH - Diesel (FFP)	BXK2330-BS1	LCS	59.578	83.893	mg/kg	71.0		64 - 124		
Tetracosane (Surrogate)	BXK2330-BS1	LCS	2.0762	3.3557	mg/kg	61.9		20 - 145		
<b>QC Batch ID: BXK2340</b>										
Diesel Range Organics (C12 - C24)	BXK2340-BS1	LCS	14.036	16.949	mg/kg	82.8		50 - 130		
Tetracosane (Surrogate)	BXK2340-BS1	LCS	0.50923	0.67797	mg/kg	75.1		40 - 130		

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### Total Petroleum Hydrocarbons

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery		Lab
								RPD	Percent Recovery	
<b>QC Batch ID: BXK2274</b>		Used client sample: N								
TPH - Diesel (FFP)	MS	1425343-68	ND	1910.9	2500.0	ug/L		76.4		50 - 127
	MSD	1425343-68	ND	1899.6	2500.0	ug/L	0.6	76.0	24	50 - 127
Tetracosane (Surrogate)	MS	1425343-68	ND	89.070	100.00	ug/L		89.1		37 - 134
	MSD	1425343-68	ND	82.435	100.00	ug/L	7.7	82.4		37 - 134
<b>QC Batch ID: BXK2330</b>		Used client sample: Y - Description: GDC-14-5, 11/21/2014 09:25								
TPH - Diesel (FFP)	MS	1427827-02	ND	61.830	82.508	mg/kg		74.9		52 - 131
	MSD	1427827-02	ND	71.187	83.893	mg/kg	14.1	84.9	30	52 - 131
Tetracosane (Surrogate)	MS	1427827-02	ND	2.4574	3.3003	mg/kg		74.5		20 - 145
	MSD	1427827-02	ND	2.9819	3.3557	mg/kg	19.3	88.9		20 - 145
<b>QC Batch ID: BXK2340</b>		Used client sample: Y - Description: GDC-27-5, 11/21/2014 13:45								
Diesel Range Organics (C12 - C24)	MS	1427827-22	9.0202	15.231	16.611	mg/kg		37.4		40 - 150
	MSD	1427827-22	9.0202	17.106	16.892	mg/kg	11.6	47.9	30	40 - 150
Tetracosane (Surrogate)	MS	1427827-22	ND	0.46461	0.66445	mg/kg		69.9		40 - 130
	MSD	1427827-22	ND	0.45295	0.67568	mg/kg	2.5	67.0		40 - 130

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2260</b>						
Mercury	BXK2260-BLK1	ND	mg/kg	0.16	0.036	
<b>QC Batch ID: BXK2365</b>						
Antimony	BXK2365-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXK2365-BLK1	ND	mg/kg	1.0	0.40	
<b>Barium</b>	<b>BXK2365-BLK1</b>	<b>0.23381</b>	<b>mg/kg</b>	<b>0.50</b>	<b>0.18</b>	<b>J</b>
Beryllium	BXK2365-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXK2365-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXK2365-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXK2365-BLK1	ND	mg/kg	2.5	0.098	
Copper	BXK2365-BLK1	ND	mg/kg	1.0	0.050	
Lead	BXK2365-BLK1	ND	mg/kg	2.5	0.28	
<b>Molybdenum</b>	<b>BXK2365-BLK1</b>	<b>0.22075</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.050</b>	<b>J</b>
Nickel	BXK2365-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXK2365-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXK2365-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXK2365-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXK2365-BLK1	ND	mg/kg	0.50	0.11	
<b>Zinc</b>	<b>BXK2365-BLK1</b>	<b>0.44183</b>	<b>mg/kg</b>	<b>2.5</b>	<b>0.087</b>	<b>J</b>

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2260</b>										
Mercury	BXK2260-BS1	LCS	0.84240	0.80000	mg/kg	105		80 - 120		
<b>QC Batch ID: BXK2365</b>										
Antimony	BXK2365-BS1	LCS	99.455	100.00	mg/kg	99.5		75 - 125		
Arsenic	BXK2365-BS1	LCS	10.815	10.000	mg/kg	108		75 - 125		
Barium	BXK2365-BS1	LCS	106.41	100.00	mg/kg	106		75 - 125		
Beryllium	BXK2365-BS1	LCS	10.365	10.000	mg/kg	104		75 - 125		
Cadmium	BXK2365-BS1	LCS	10.234	10.000	mg/kg	102		75 - 125		
Chromium	BXK2365-BS1	LCS	105.75	100.00	mg/kg	106		75 - 125		
Cobalt	BXK2365-BS1	LCS	105.49	100.00	mg/kg	105		75 - 125		
Copper	BXK2365-BS1	LCS	101.96	100.00	mg/kg	102		75 - 125		
Lead	BXK2365-BS1	LCS	107.73	100.00	mg/kg	108		75 - 125		
Molybdenum	BXK2365-BS1	LCS	107.07	100.00	mg/kg	107		75 - 125		
Nickel	BXK2365-BS1	LCS	107.47	100.00	mg/kg	107		75 - 125		
Selenium	BXK2365-BS1	LCS	10.896	10.000	mg/kg	109		75 - 125		
Silver	BXK2365-BS1	LCS	9.7421	10.000	mg/kg	97.4		75 - 125		
Thallium	BXK2365-BS1	LCS	102.93	100.00	mg/kg	103		75 - 125		
Vanadium	BXK2365-BS1	LCS	102.75	100.00	mg/kg	103		75 - 125		
Zinc	BXK2365-BS1	LCS	107.03	100.00	mg/kg	107		75 - 125		

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Group Delta Consultants, Inc.
1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Total Concentrations (TTLIC)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes QC Batch ID: BXK2260 and BXK2365.

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Total Concentrations (TTLC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BXK2365</b>		Used client sample: Y - Description: GDC-9-1, 11/20/2014 10:30								
Selenium	DUP	1427819-10	3.1995	2.3032		mg/kg	32.6		20	A02
	MS	1427819-10	3.1995	12.153	9.8039	mg/kg		91.3	75 - 125	
	MSD	1427819-10	3.1995	12.235	9.8039	mg/kg	0.7	92.2	20 75 - 125	
Silver	DUP	1427819-10	ND	ND		mg/kg			20	
	MS	1427819-10	ND	9.0559	9.8039	mg/kg		92.4	75 - 125	
	MSD	1427819-10	ND	9.1489	9.8039	mg/kg	1.0	93.3	20 75 - 125	
Thallium	DUP	1427819-10	1.4652	3.2765		mg/kg	76.4		20	J,A02
	MS	1427819-10	1.4652	90.102	98.039	mg/kg		90.4	75 - 125	
	MSD	1427819-10	1.4652	91.538	98.039	mg/kg	1.6	91.9	20 75 - 125	
Vanadium	DUP	1427819-10	33.034	33.397		mg/kg	1.1		20	
	MS	1427819-10	33.034	126.60	98.039	mg/kg		95.4	75 - 125	
	MSD	1427819-10	33.034	128.15	98.039	mg/kg	1.2	97.0	20 75 - 125	
Zinc	DUP	1427819-10	44.075	43.958		mg/kg	0.3		20	
	MS	1427819-10	44.075	136.60	98.039	mg/kg		94.4	75 - 125	
	MSD	1427819-10	44.075	138.19	98.039	mg/kg	1.2	96.0	20 75 - 125	

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

### Metals Analysis

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXK2109</b>						
Dissolved Antimony	BXK2109-BLK1	ND	ug/L	100	4.9	
Dissolved Arsenic	BXK2109-BLK1	ND	ug/L	50	9.2	
Dissolved Barium	BXK2109-BLK1	ND	ug/L	10	3.5	
Dissolved Beryllium	BXK2109-BLK1	ND	ug/L	10	0.50	
Dissolved Cadmium	BXK2109-BLK1	ND	ug/L	10	1.1	
Dissolved Chromium	BXK2109-BLK1	ND	ug/L	10	1.0	
Dissolved Cobalt	BXK2109-BLK1	ND	ug/L	50	1.1	
Dissolved Copper	BXK2109-BLK1	ND	ug/L	10	1.0	
Dissolved Lead	BXK2109-BLK1	ND	ug/L	50	3.5	
Dissolved Molybdenum	BXK2109-BLK1	ND	ug/L	50	1.4	
Dissolved Nickel	BXK2109-BLK1	ND	ug/L	10	2.4	
<b>Dissolved Selenium</b>	<b>BXK2109-BLK1</b>	<b>17.171</b>	<b>ug/L</b>	<b>100</b>	<b>15</b>	<b>J</b>
Dissolved Silver	BXK2109-BLK1	ND	ug/L	10	1.2	
Dissolved Thallium	BXK2109-BLK1	ND	ug/L	100	10	
Dissolved Vanadium	BXK2109-BLK1	ND	ug/L	10	2.2	
Dissolved Zinc	BXK2109-BLK1	ND	ug/L	10	5.0	
<b>QC Batch ID: BXK2166</b>						
Dissolved Mercury	BXK2166-BLK1	ND	ug/L	0.20	0.033	

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Metals Analysis

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXK2109</b>										
Dissolved Antimony	BXK2109-BS1	LCS	373.12	400.00	ug/L	93.3		85	115	
Dissolved Arsenic	BXK2109-BS1	LCS	203.88	200.00	ug/L	102		85	115	
Dissolved Barium	BXK2109-BS1	LCS	438.60	400.00	ug/L	110		85	115	
Dissolved Beryllium	BXK2109-BS1	LCS	214.77	200.00	ug/L	107		85	115	
Dissolved Cadmium	BXK2109-BS1	LCS	215.82	200.00	ug/L	108		85	115	
Dissolved Chromium	BXK2109-BS1	LCS	217.43	200.00	ug/L	109		85	115	
Dissolved Cobalt	BXK2109-BS1	LCS	214.05	200.00	ug/L	107		85	115	
Dissolved Copper	BXK2109-BS1	LCS	405.39	400.00	ug/L	101		85	115	
Dissolved Lead	BXK2109-BS1	LCS	428.67	400.00	ug/L	107		85	115	
Dissolved Molybdenum	BXK2109-BS1	LCS	207.81	200.00	ug/L	104		85	115	
Dissolved Nickel	BXK2109-BS1	LCS	436.17	400.00	ug/L	109		85	115	
Dissolved Selenium	BXK2109-BS1	LCS	221.10	200.00	ug/L	111		85	115	
Dissolved Silver	BXK2109-BS1	LCS	100.53	100.00	ug/L	101		85	115	
Dissolved Thallium	BXK2109-BS1	LCS	394.51	400.00	ug/L	98.6		85	115	
Dissolved Vanadium	BXK2109-BS1	LCS	202.29	200.00	ug/L	101		85	115	
Dissolved Zinc	BXK2109-BS1	LCS	561.22	500.00	ug/L	112		85	115	
<b>QC Batch ID: BXK2166</b>										
Dissolved Mercury	BXK2166-BS1	LCS	1.0100	1.0000	ug/L	101		85	115	

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1035 South Milliken Ave Suite G
Ontario, CA 91761

Reported: 12/03/2014 9:05
Project: EN047
Project Number: EN047
Project Manager: Jack Packwood

Metals Analysis

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quals. Includes data for various metals like Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, and Silver.

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Ontario, CA 91761

Reported: 12/03/2014 9:05  
Project: EN047  
Project Number: EN047  
Project Manager: Jack Packwood

### Metals Analysis

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BXK2109</b>		Used client sample: N								
Dissolved Thallium	DUP	1427732-01	ND	16.599		ug/L			20	J
	MS	1427732-01	ND	422.81	408.16	ug/L		104	75 - 125	
	MSD	1427732-01	ND	385.45	408.16	ug/L	9.2	94.4	20	75 - 125
Dissolved Vanadium	DUP	1427732-01	20.528	19.997		ug/L	2.6		20	
	MS	1427732-01	20.528	228.38	204.08	ug/L		102	75 - 125	
	MSD	1427732-01	20.528	229.72	204.08	ug/L	0.6	103	20	75 - 125
Dissolved Zinc	DUP	1427732-01	ND	ND		ug/L			20	
	MS	1427732-01	ND	539.96	510.20	ug/L		106	75 - 125	
	MSD	1427732-01	ND	533.37	510.20	ug/L	1.2	105	20	75 - 125
<b>QC Batch ID: BXK2166</b>		Used client sample: N								
Dissolved Mercury	DUP	1427729-10	0.047500	0.040000		ug/L	17.1		20	J
	MS	1427729-10	0.047500	1.0025	1.0000	ug/L		95.5	70 - 130	
	MSD	1427729-10	0.047500	1.0175	1.0000	ug/L	1.5	97.0	20	70 - 130

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/03/2014 9:05  
**Project:** EN047  
**Project Number:** EN047  
**Project Manager:** Jack Packwood

**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A01 PQL's and MDL's are raised due to sample dilution.
- A02 The difference between duplicate readings is less than the PQL.
- A19 Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
- A52 Chromatogram not typical of diesel.
- Q03 Matrix spike recovery(s) is(are) not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.



Date of Report: 12/23/2014

Jack Packwood

Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

Client Project: Centennial Corridor  
BCL Project: EN047  
BCL Work Order: 1430144  
Invoice ID: B191592

Enclosed are the results of analyses for samples received by the laboratory on 12/17/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

---

Contact Person: Christina Herndon  
Client Service Rep

---

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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5 DAY  
TAF

Chain of Custody Form

Report To: **Client: Group Delta Gasu Starts** Project #: **EN047**  
**Attn: Jack Packwood** Project Name: **Centennial Corridor**  
**Street Address: 1035 S. Milliken Ave, Ste. G**  
**City, State, Zip: Ontario CA 91761** Sampler(s): **GDC**  
**Phone: 909 2955550 Fax: 909 2955552**  
**Email Address: jackp@gwyddelta.com**  
**Work Order #: 14-30144**

Analysis Requested  
 EPA 8150 (VOCs, BTEX, and HAPs)  
 EPA 8160 (TPH - Dissolved)  
 EPA 8160 (TPH - Gasoline)  
 EPA 8160 (TPH - Diesel)  
 EPA 8150 (PCBs)  
 EPA 8160 (Municipalities and Industrial Wastewater)  
 EPA 8160 (Soil)

Sample #	Description	Date Sampled	Time Sampled	EDF Required? Geotracker	Global ID (Needed for EDF)	Relinquished By	Date	Time	Relinquished By	Date	Time	System # (Needed for EDT)
-1	GDC-21-15	12/17/14	11:01	<input type="checkbox"/> Yes <input type="checkbox"/> No			12/17/14	14:00		12/17/14	14:00	
-2	GDC-21-16		11:16	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-3	GDC-21-10-DUO		11:17	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-4	GDC-21-15		11:22	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-5	GDC-22-5		11:39	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-6	GDC-22-10		11:48	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-7	GDC-22-10-DUO		11:49	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-8	GDC-22-15		11:56	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-9	GDC-29-0.5		12:26	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-10	GDC-29-1.5		12:25	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-11	GDC-30-0.5		12:30	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-12	GDC-30-1.5		12:35	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-13	EB-12172014		1:00	<input type="checkbox"/> Yes <input type="checkbox"/> No								
-14	TriO Blank			<input type="checkbox"/> Yes <input type="checkbox"/> No								

EDF Required? Geotracker  Same as above

Send Copy to State of CA? (EDT)  Yes  No

Client: \_\_\_\_\_ Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Attn: \_\_\_\_\_ PO#: \_\_\_\_\_

1. Relinquished By: \_\_\_\_\_ Date: 12/17/14 Time: 14:00

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Global ID (Needed for EDF): \_\_\_\_\_

System # (Needed for EDT): \_\_\_\_\_

Comments: **RUSH!**

Sample Matrix:  Soil  Sludge  Drinking Water  Ground Water  Waste Water

Turnaround # of work days: 5

Other: \_\_\_\_\_

Notes: \_\_\_\_\_

\* Standard Turnaround = 10 work days

Are there any delays less than or equal to 48 hours?  Yes  No

CHK BY: \_\_\_\_\_

DISTRIBUTION: \_\_\_\_\_

SUB-OUT: \_\_\_\_\_

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 of 2

Submission #: 14-30144

SHIPPING INFORMATION
Federal Express [ ] UPS [ ] Hand Delivery [X]
BC Lab Field Service [ ] Other [ ] (Specify) \_\_\_\_\_

SHIPPING CONTAINER
Ice Chest [X] None [ ] Box [ ]
Other [ ] (Specify) \_\_\_\_\_

FREE LIQUID
YES [ ] NO [ ]

Refrigerant: Ice [X] Blue Ice [ ] None [ ] Other [ ] Comments: \_\_\_\_\_

Custody Seals Ice Chest [ ] Containers [ ] None [X] Comments: \_\_\_\_\_

All samples received? Yes [X] No [ ] All samples containers intact? Yes [X] No [ ] Description(s) match COC? Yes [X] No [ ]

COC Received
YES [X] NO [ ]

Emissivity: .98 Container: 21408 Thermometer ID: TH205
Temperature: (A) 4.3 °C (C) 4.1 °C

Date/Time 12/17/14 14:40
Analyst Init [Signature]

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Includes handwritten entries like 'E' and 'ABCD'.

Comments:
Sample Numbering Completed By: KIB Date/Time: 12/17/14 14:10
A = Actual / C = Corrected



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 2 Of 2

Submission #: 14-30144

SHIPPING INFORMATION Federal Express [ ] UPS [ ] Hand Delivery [X] BC Lab Field Service [ ] Other [ ] (Specify) \_\_\_\_\_

SHIPPING CONTAINER Ice Chest [X] None [ ] Box [ ] Other [ ] (Specify) \_\_\_\_\_

FREE LIQUID YES [ ] NO [ ]

Refrigerant: Ice [X] Blue Ice [ ] None [ ] Other [ ] Comments: \_\_\_\_\_

Custody Seals Ice Chest [ ] Containers [ ] None [X] Intact? Yes [ ] No [ ]

All samples received? Yes [X] No [ ] All samples containers intact? Yes [X] No [ ] Description(s) match COC? Yes [X] No [ ]

COC Received YES [X] NO [ ]

Emissivity: .98 Container: ATWBA Thermometer ID: JH205 Temperature: (A) 4.3 °C / (C) 4.1 °C

Date/Time 12/17/14 Analyst Init [Signature]

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Includes handwritten notations like 'ABC' and 'DE'.

Comments: Sample Numbering Completed By: KTB Date/Time: 12/17/14 1910 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC) A = Actual / C = Corrected



Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1430144-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:01
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-21-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:16
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-21-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:17
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-21-10-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:22
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-21-15	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:39
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-22-5	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:48
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-22-10	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil
1430144-07	<b>COC Number:</b>	---	<b>Receive Date:</b>	12/17/2014 14:00
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	12/17/2014 11:49
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-22-10-DUP	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia	<b>Sample Type:</b>	Soil

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	
1430144-08	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 11:56
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-22-15		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Soil
1430144-09	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 12:20
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-29-0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Soil
1430144-10	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 12:25
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-29-1.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Soil
1430144-11	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 12:30
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-30-0.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Soil
1430144-12	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 12:35
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	GDC-30-1.5		<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Soil
1430144-13	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 13:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EB-12172014		<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Water
1430144-14	<b>COC Number:</b>	---		12/17/2014	14:00
	<b>Project Number:</b>	---		<b>Sampling Date:</b>	12/17/2014 00:00
	<b>Sampling Location:</b>	---		<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	Trip Blank		<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Kevin Garcia		<b>Sample Type:</b>	Blank Water

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-01	<b>Client Sample Name:</b> GDC-21-5, 12/17/2014 11:01:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0037	0.00095	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0037	0.00073	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0037	0.00062	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0037	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0037	0.00037	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0037	0.00088	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0073	0.0025	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0037	0.00041	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.037	0.012	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0037	0.00058	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.73	0.048	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0037	0.00016	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0037	0.0016	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0037	0.00088	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.15	0.015	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 16:07	ADC	MS-V2	0.731	BXL1799

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-01	<b>Client Sample Name:</b> GDC-21-5, 12/17/2014 11:01:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.1	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	70.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 17:15	MBS	GC-5	0.997	BXL2023

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-02	<b>Client Sample Name:</b> GDC-21-10, 12/17/2014 11:16:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0035	0.00090	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0035	0.00069	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0035	0.00059	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0035	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0035	0.00035	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0035	0.00083	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0069	0.0023	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0035	0.00039	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.035	0.012	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0035	0.00055	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.69	0.046	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0035	0.00015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0035	0.0015	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0035	0.00083	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.14	0.014	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 16:29	ADC	MS-V2	0.691	BXL1799

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-02	<b>Client Sample Name:</b> GDC-21-10, 12/17/2014 11:16:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.0	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	67.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 17:28	MBS	GC-5	1	BXL2023

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-03	<b>Client Sample Name:</b> GDC-21-10-DUP, 12/17/2014 11:17:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0039	0.0010	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00077	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00065	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00039	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0039	0.00092	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0077	0.0026	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0039	0.00043	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.039	0.013	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.77	0.051	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0039	0.00017	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0017	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0039	0.00092	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.15	0.015	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 16:51	ADC	MS-V2	0.770	BXL1799

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1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-03	<b>Client Sample Name:</b> GDC-21-10-DUP, 12/17/2014 11:17:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.1	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	73.0	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 17:40	MBS	GC-5	0.993	BXL2023

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-04	<b>Client Sample Name:</b> GDC-21-15, 12/17/2014 11:22:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0033	0.00086	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0033	0.00066	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0033	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0033	0.0010	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0033	0.00033	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0033	0.00080	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0066	0.0023	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0033	0.00037	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.033	0.011	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0033	0.00053	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.66	0.044	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0033	0.00015	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0033	0.0015	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0033	0.00080	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.13	0.013	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 17:14	ADC	MS-V2	0.664	BXL1799

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-04	<b>Client Sample Name:</b> GDC-21-15, 12/17/2014 11:22:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.0	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	76.2	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 17:53	MBS	GC-5	0.980	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-05	<b>Client Sample Name:</b> GDC-22-5, 12/17/2014 11:39:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0031	0.00081	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0031	0.00062	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0031	0.00053	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0031	0.00094	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0031	0.00031	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0031	0.00075	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0062	0.0021	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0031	0.00035	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.031	0.011	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0031	0.00050	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.62	0.041	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0031	0.00014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0031	0.0014	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0031	0.00075	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.12	0.012	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 17:36	ADC	MS-V2	0.624	BXL1799

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-05	<b>Client Sample Name:</b> GDC-22-5, 12/17/2014 11:39:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	74.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 18:05	MBS	GC-5	0.983	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-06	<b>Client Sample Name:</b> GDC-22-10, 12/17/2014 11:48:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0032	0.00083	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0032	0.00064	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0032	0.00054	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0032	0.00096	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0032	0.00032	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0064	0.0022	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0032	0.00036	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.032	0.011	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0032	0.00051	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.64	0.042	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0032	0.00014	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0032	0.0014	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0032	0.00077	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.13	0.013	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	122	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 17:58	ADC	MS-V2	0.638	BXL1799

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-06	<b>Client Sample Name:</b> GDC-22-10, 12/17/2014 11:48:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	3.7	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	72.8	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 18:17	MBS	GC-5	0.987	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-07	<b>Client Sample Name:</b> GDC-22-10-DUP, 12/17/2014 11:49:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0038	0.0010	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0038	0.00077	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0038	0.00065	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0038	0.0011	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0038	0.00038	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0077	0.0026	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0038	0.00043	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.038	0.013	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0038	0.00061	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.77	0.051	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0038	0.00017	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0038	0.0017	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0038	0.00092	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.15	0.015	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	129	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 18:20	ADC	MS-V2	0.766	BXL1799

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-07	<b>Client Sample Name:</b> GDC-22-10-DUP, 12/17/2014 11:49:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	75.9	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 19:08	MBS	GC-5	0.987	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B/5035)

<b>BCL Sample ID:</b> 1430144-08	<b>Client Sample Name:</b> GDC-22-15, 12/17/2014 11:56:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0040	0.0010	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0040	0.00079	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0040	0.00067	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0040	0.0012	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00040	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0040	0.00095	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0079	0.0027	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0040	0.00044	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.040	0.013	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0040	0.00063	EPA-8260B	ND		1
Ethanol	ND	mg/kg	0.79	0.052	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0040	0.00017	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0040	0.0017	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0040	0.00095	EPA-8260B	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>0.072</b>	<b>mg/kg</b>	<b>0.16</b>	<b>0.016</b>	<b>Luft-GC/MS</b>	ND	<b>J</b>	<b>1</b>
1,2-Dichloroethane-d4 (Surrogate)	134	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 18:43	ADC	MS-V2	0.791	BXL1799

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-08	<b>Client Sample Name:</b> GDC-22-15, 12/17/2014 11:56:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	2.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	69.8	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 19:20	MBS	GC-5	1.003	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1430144-09		Client Sample Name: GDC-29-0.5, 12/17/2014 12:20:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0038	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0040	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	35.0	%	50 - 140 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	12/19/14	12/23/14 03:28	KEP	GC-15	1.003	BXL2175

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-09	<b>Client Sample Name:</b> GDC-29-0.5, 12/17/2014 12:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	S08,Z1	1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND	S08,Z1	1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND	S08,Z1	1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND	S08,Z1	1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND	S08,Z1	1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND	S08,Z1	1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND	S08,Z1	1
t-Amyl Methyl ether	ND	mg/kg	0.0050	0.00056	EPA-8260B	ND	S08,Z1	1
t-Butyl alcohol	ND	mg/kg	0.050	0.017	EPA-8260B	ND	S08,Z1	1
Diisopropyl ether	ND	mg/kg	0.0050	0.00080	EPA-8260B	ND	S08,Z1	1
Ethanol	ND	mg/kg	1.0	0.066	EPA-8260B	ND	S08,Z1	1
Ethyl t-butyl ether	ND	mg/kg	0.0050	0.00022	EPA-8260B	ND	S08,Z1	1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND	S08,Z1	1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND	S08,Z1	1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.020	Luft-GC/MS	ND	S08,Z1	1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B		S08,Z1	1
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)		EPA-8260B		S08,Z1	1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B		S08,Z1	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/20/14	12/20/14 23:36	XDC	MS-V3	1	BXL1969

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-09	<b>Client Sample Name:</b> GDC-29-0.5, 12/17/2014 12:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	4.3	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	63.7	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 19:33	MBS	GC-5	1.003	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

<b>BCL Sample ID:</b> 1430144-10	<b>Client Sample Name:</b> GDC-29-1.5, 12/17/2014 12:25:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0038	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0040	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	50.0	%	50 - 140 (LCL - UCL)		EPA-8082			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	12/19/14	12/23/14 03:39	KEP	GC-15	1.010	BXL2175

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Group Delta Consultants, Inc.  
1035 South Milliken Ave Suite G  
Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-10	<b>Client Sample Name:</b> GDC-29-1.5, 12/17/2014 12:25:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050	0.00056	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050	0.017	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050	0.00080	EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0	0.066	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0050	0.00022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.020	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	130	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	108	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/19/14 02:30	ADC	MS-V2	1	BXL1699

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Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-10	<b>Client Sample Name:</b> GDC-29-1.5, 12/17/2014 12:25:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	5.8	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	65.5	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 19:45	MBS	GC-5	0.973	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1430144-11		Client Sample Name: GDC-30-0.5, 12/17/2014 12:30:00PM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1
PCB-1221	ND	mg/kg	0.010	0.0038	EPA-8082	ND		1
PCB-1232	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1
PCB-1242	ND	mg/kg	0.010	0.0040	EPA-8082	ND		1
PCB-1248	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	ND		1
PCB-1260	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1
Decachlorobiphenyl (Surrogate)	40.0	%	50 - 140 (LCL - UCL)		EPA-8082		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	12/19/14	12/23/14 03:50	KEP	GC-15	1.014	BXL2175

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-11	<b>Client Sample Name:</b> GDC-30-0.5, 12/17/2014 12:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050	0.00056	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050	0.017	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050	0.00080	EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0	0.066	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0050	0.00022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>0.091</b>	<b>mg/kg</b>	<b>0.20</b>	<b>0.020</b>	<b>Luft-GC/MS</b>	ND	<b>J</b>	1
1,2-Dichloroethane-d4 (Surrogate)	134	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/19/14 02:52	ADC	MS-V2	1	BXL1699

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Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-11	<b>Client Sample Name:</b> GDC-30-0.5, 12/17/2014 12:30:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	8.4	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	91.6	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 19:58	MBS	GC-5	0.986	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

BCL Sample ID: 1430144-12		Client Sample Name: GDC-30-1.5, 12/17/2014 12:35:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #	
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	ND		1	
PCB-1221	ND	mg/kg	0.010	0.0038	EPA-8082	ND		1	
PCB-1232	ND	mg/kg	0.010	0.0024	EPA-8082	ND		1	
PCB-1242	ND	mg/kg	0.010	0.0040	EPA-8082	ND		1	
PCB-1248	ND	mg/kg	0.010	0.0026	EPA-8082	ND		1	
PCB-1254	ND	mg/kg	0.010	0.0032	EPA-8082	ND		1	
PCB-1260	ND	mg/kg	0.010	0.0016	EPA-8082	ND		1	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	ND		1	
Decachlorobiphenyl (Surrogate)	50.0	%	50 - 140 (LCL - UCL)		EPA-8082			1	

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8082	12/19/14	12/23/14 04:00	KEP	GC-15	1.014	BXL2175

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-12	<b>Client Sample Name:</b> GDC-30-1.5, 12/17/2014 12:35:00PM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050	0.00056	EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050	0.017	EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050	0.00080	EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0	0.066	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	mg/kg	0.0050	0.00022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.020	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	135	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/19/14 03:14	ADC	MS-V2	1	BXL1699

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-12	<b>Client Sample Name:</b> GDC-30-1.5, 12/17/2014 12:35:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	6.8	mg/kg	2.0	0.24	EPA-8015B/TPH d	ND	A52	1
Tetracosane (Surrogate)	89.6	%	40 - 130 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 20:10	MBS	GC-5	1.007	BXL2023

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-13	<b>Client Sample Name:</b> EB-12172014, 12/17/2014 1:00:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
<b>Toluene</b>	<b>0.11</b>	<b>ug/L</b>	<b>0.50</b>	<b>0.093</b>	<b>EPA-8260B</b>	ND	J	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	50	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	7.2	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/19/14 18:38	JPT	MS-V5	1	BXL1625

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Ontario, CA 91761

**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Total Petroleum Hydrocarbons

<b>BCL Sample ID:</b> 1430144-13	<b>Client Sample Name:</b> EB-12172014, 12/17/2014 1:00:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	6.8	EPA-8015B/TPH d	ND		1
Tetracosane (Surrogate)	85.9	%	30 - 150 (LCL - UCL)		EPA-8015B/TPH d			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	12/19/14	12/22/14 15:47	MBS	GC-5	0.990	BXL2071

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

<b>BCL Sample ID:</b> 1430144-14	<b>Client Sample Name:</b> Trip Blank, 12/17/2014 12:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	50	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	7.2	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/18/14	12/18/14 17:48	JPT	MS-V5	1	BXL1625

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL2175</b>						
PCB-1016	BXL2175-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXL2175-BLK1	ND	mg/kg	0.010	0.0038	
PCB-1232	BXL2175-BLK1	ND	mg/kg	0.010	0.0024	
PCB-1242	BXL2175-BLK1	ND	mg/kg	0.010	0.0040	
PCB-1248	BXL2175-BLK1	ND	mg/kg	0.010	0.0026	
PCB-1254	BXL2175-BLK1	ND	mg/kg	0.010	0.0032	
PCB-1260	BXL2175-BLK1	ND	mg/kg	0.010	0.0016	
Total PCB's (Summation)	BXL2175-BLK1	ND	mg/kg	0.010	0.0050	
<b>Decachlorobiphenyl (Surrogate)</b>	<b>BXL2175-BLK1</b>	<b>65.0</b>	<b>%</b>		<b>50 - 140 (LCL - UCL)</b>	

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXL2175</b>										
PCB-1016	BXL2175-BS1	LCS	0.085000	0.083333	mg/kg	102		60 - 130		
PCB-1260	BXL2175-BS1	LCS	0.094667	0.083333	mg/kg	114		70 - 130		
Decachlorobiphenyl (Surrogate)	BXL2175-BS1	LCS	0.0046667	0.0066667	mg/kg	70.0		50 - 140		

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Reported: 12/23/2014 16:48  
Project: EN047  
Project Number: Centennial Corridor  
Project Manager: Jack Packwood

### PCB Analysis (EPA Method 8082)

#### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BXL2175</b>		Used client sample: Y - Description: GDC-30-1.5, 12/17/2014 12:35								
PCB-1016	MS	1430144-12	ND	0.098322	0.083893	mg/kg		117		40 - 130
	MSD	1430144-12	ND	0.10565	0.083056	mg/kg	7.2	127	30	40 - 130
PCB-1260	MS	1430144-12	ND	0.098993	0.083893	mg/kg		118		40 - 130
	MSD	1430144-12	ND	0.10133	0.083056	mg/kg	2.3	122	30	40 - 130
Decachlorobiphenyl (Surrogate)	MS	1430144-12	ND	0.0040268	0.0067114	mg/kg		60.0		50 - 140
	MSD	1430144-12	ND	0.0039867	0.0066445	mg/kg	1.0	60.0		50 - 140

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Reported: 12/23/2014 16:48  
Project: EN047  
Project Number: Centennial Corridor  
Project Manager: Jack Packwood

### Volatile Organic Analysis (EPA Method 8260B)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL1625</b>						
Benzene	BXL1625-BLK1	ND	ug/L	0.50	0.083	
1,2-Dibromoethane	BXL1625-BLK1	ND	ug/L	0.50	0.16	
1,2-Dichloroethane	BXL1625-BLK1	ND	ug/L	0.50	0.17	
Ethylbenzene	BXL1625-BLK1	ND	ug/L	0.50	0.098	
Methyl t-butyl ether	BXL1625-BLK1	ND	ug/L	0.50	0.11	
Toluene	BXL1625-BLK1	ND	ug/L	0.50	0.093	
Total Xylenes	BXL1625-BLK1	ND	ug/L	1.0	0.36	
t-Amyl Methyl ether	BXL1625-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BXL1625-BLK1	ND	ug/L	10	9.4	
Diisopropyl ether	BXL1625-BLK1	ND	ug/L	0.50	0.23	
Ethanol	BXL1625-BLK1	ND	ug/L	250	50	
Ethyl t-butyl ether	BXL1625-BLK1	ND	ug/L	0.50	0.18	
p- & m-Xylenes	BXL1625-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BXL1625-BLK1	ND	ug/L	0.50	0.082	
Total Purgeable Petroleum Hydrocarbons	BXL1625-BLK1	ND	ug/L	50	7.2	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXL1625-BLK1</b>	<b>103</b>	<b>%</b>	<b>75 - 125 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXL1625-BLK1</b>	<b>98.6</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXL1625-BLK1</b>	<b>89.9</b>	<b>%</b>	<b>80 - 120 (LCL - UCL)</b>		

<b>QC Batch ID: BXL1699</b>						
Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BXL1699-BLK1	ND	mg/kg	0.0050	0.0013	
1,2-Dibromoethane	BXL1699-BLK1	ND	mg/kg	0.0050	0.0010	
1,2-Dichloroethane	BXL1699-BLK1	ND	mg/kg	0.0050	0.00085	
Ethylbenzene	BXL1699-BLK1	ND	mg/kg	0.0050	0.0015	
Methyl t-butyl ether	BXL1699-BLK1	ND	mg/kg	0.0050	0.00050	
Toluene	BXL1699-BLK1	ND	mg/kg	0.0050	0.0012	
Total Xylenes	BXL1699-BLK1	ND	mg/kg	0.010	0.0034	
t-Amyl Methyl ether	BXL1699-BLK1	ND	mg/kg	0.0050	0.00056	
t-Butyl alcohol	BXL1699-BLK1	ND	mg/kg	0.050	0.017	
Diisopropyl ether	BXL1699-BLK1	ND	mg/kg	0.0050	0.00080	
Ethanol	BXL1699-BLK1	ND	mg/kg	1.0	0.066	
Ethyl t-butyl ether	BXL1699-BLK1	ND	mg/kg	0.0050	0.00022	
p- & m-Xylenes	BXL1699-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXL1699-BLK1	ND	mg/kg	0.0050	0.0012	

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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**QC Batch ID: BXL1699**

Total Purgeable Petroleum Hydrocarbons	BXL1699-BLK1	ND	mg/kg	0.20	0.020	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXL1699-BLK1</b>	<b>119</b>	%	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXL1699-BLK1</b>	<b>102</b>	%	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXL1699-BLK1</b>	<b>102</b>	%	<b>74 - 121 (LCL - UCL)</b>		

**QC Batch ID: BXL1969**

Benzene	BXL1969-BLK1	ND	mg/kg	0.0050	0.0013	
1,2-Dibromoethane	BXL1969-BLK1	ND	mg/kg	0.0050	0.0010	
1,2-Dichloroethane	BXL1969-BLK1	ND	mg/kg	0.0050	0.00085	
Ethylbenzene	BXL1969-BLK1	ND	mg/kg	0.0050	0.0015	
Methyl t-butyl ether	BXL1969-BLK1	ND	mg/kg	0.0050	0.00050	
Toluene	BXL1969-BLK1	ND	mg/kg	0.0050	0.0012	
Total Xylenes	BXL1969-BLK1	ND	mg/kg	0.010	0.0034	
t-Amyl Methyl ether	BXL1969-BLK1	ND	mg/kg	0.0050	0.00056	
t-Butyl alcohol	BXL1969-BLK1	ND	mg/kg	0.050	0.017	
Diisopropyl ether	BXL1969-BLK1	ND	mg/kg	0.0050	0.00080	
Ethanol	BXL1969-BLK1	ND	mg/kg	1.0	0.066	
Ethyl t-butyl ether	BXL1969-BLK1	ND	mg/kg	0.0050	0.00022	
p- & m-Xylenes	BXL1969-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXL1969-BLK1	ND	mg/kg	0.0050	0.0012	
Total Purgeable Petroleum Hydrocarbons	BXL1969-BLK1	ND	mg/kg	0.20	0.020	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXL1969-BLK1</b>	<b>94.3</b>	%	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXL1969-BLK1</b>	<b>97.5</b>	%	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXL1969-BLK1</b>	<b>101</b>	%	<b>74 - 121 (LCL - UCL)</b>		

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

## Volatile Organic Analysis (EPA Method 8260B)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: BXL1625</b>											
Benzene	BXL1625-BS1	LCS	25.630	25.000	ug/L	103		70 - 130			
Toluene	BXL1625-BS1	LCS	24.580	25.000	ug/L	98.3		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BXL1625-BS1	LCS	10.050	10.000	ug/L	100		75 - 125			
Toluene-d8 (Surrogate)	BXL1625-BS1	LCS	9.8600	10.000	ug/L	98.6		80 - 120			
4-Bromofluorobenzene (Surrogate)	BXL1625-BS1	LCS	9.5800	10.000	ug/L	95.8		80 - 120			
<b>QC Batch ID: BXL1699</b>											
Benzene	BXL1699-BS1	LCS	0.12738	0.12500	mg/kg	102		70 - 130			
Toluene	BXL1699-BS1	LCS	0.12711	0.12500	mg/kg	102		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BXL1699-BS1	LCS	0.059340	0.050000	mg/kg	119		70 - 121			
Toluene-d8 (Surrogate)	BXL1699-BS1	LCS	0.052590	0.050000	mg/kg	105		81 - 117			
4-Bromofluorobenzene (Surrogate)	BXL1699-BS1	LCS	0.055320	0.050000	mg/kg	111		74 - 121			
<b>QC Batch ID: BXL1969</b>											
Benzene	BXL1969-BS1	LCS	0.12678	0.12500	mg/kg	101		70 - 130			
Toluene	BXL1969-BS1	LCS	0.12368	0.12500	mg/kg	98.9		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BXL1969-BS1	LCS	0.049970	0.050000	mg/kg	99.9		70 - 121			
Toluene-d8 (Surrogate)	BXL1969-BS1	LCS	0.050480	0.050000	mg/kg	101		81 - 117			
4-Bromofluorobenzene (Surrogate)	BXL1969-BS1	LCS	0.048650	0.050000	mg/kg	97.3		74 - 121			

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes three QC batches: BXL1625, BXL1699, and BXL1969.

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### Volatile Organic Analysis (EPA Method 8260B/5035)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL1799</b>						
Benzene	BXL1799-BLK1	ND	mg/kg	0.0050	0.0013	
1,2-Dibromoethane	BXL1799-BLK1	ND	mg/kg	0.0050	0.0010	
1,2-Dichloroethane	BXL1799-BLK1	ND	mg/kg	0.0050	0.00085	
Ethylbenzene	BXL1799-BLK1	ND	mg/kg	0.0050	0.0015	
Methyl t-butyl ether	BXL1799-BLK1	ND	mg/kg	0.0050	0.00050	
Toluene	BXL1799-BLK1	ND	mg/kg	0.0050	0.0012	
Total Xylenes	BXL1799-BLK1	ND	mg/kg	0.010	0.0034	
t-Amyl Methyl ether	BXL1799-BLK1	ND	mg/kg	0.0050	0.00056	
t-Butyl alcohol	BXL1799-BLK1	ND	mg/kg	0.050	0.017	
Diisopropyl ether	BXL1799-BLK1	ND	mg/kg	0.0050	0.00080	
Ethanol	BXL1799-BLK1	ND	mg/kg	1.0	0.066	
Ethyl t-butyl ether	BXL1799-BLK1	ND	mg/kg	0.0050	0.00022	
p- & m-Xylenes	BXL1799-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXL1799-BLK1	ND	mg/kg	0.0050	0.0012	
Total Purgeable Petroleum Hydrocarbons	BXL1799-BLK1	ND	mg/kg	0.20	0.020	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	<b>BXL1799-BLK1</b>	<b>115</b>	<b>%</b>	<b>70 - 121 (LCL - UCL)</b>		
<b>Toluene-d8 (Surrogate)</b>	<b>BXL1799-BLK1</b>	<b>104</b>	<b>%</b>	<b>81 - 117 (LCL - UCL)</b>		
<b>4-Bromofluorobenzene (Surrogate)</b>	<b>BXL1799-BLK1</b>	<b>106</b>	<b>%</b>	<b>74 - 121 (LCL - UCL)</b>		

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## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: BXL1799</b>											
Benzene	BXL1799-BS1	LCS	0.13063	0.12500	mg/kg	105		70 - 130			
Toluene	BXL1799-BS1	LCS	0.13019	0.12500	mg/kg	104		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BXL1799-BS1	LCS	0.061290	0.050000	mg/kg	123		70 - 121			S09
Toluene-d8 (Surrogate)	BXL1799-BS1	LCS	0.050710	0.050000	mg/kg	101		81 - 117			
4-Bromofluorobenzene (Surrogate)	BXL1799-BS1	LCS	0.056440	0.050000	mg/kg	113		74 - 121			

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## Volatile Organic Analysis (EPA Method 8260B/5035)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BXL1799</b>		Used client sample: N									
Benzene	MS	1428224-23	ND	0.12954	0.12500	mg/kg		104		70 - 130	
	MSD	1428224-23	ND	0.13478	0.12500	mg/kg	4.0	108	20	70 - 130	
Toluene	MS	1428224-23	ND	0.13078	0.12500	mg/kg		105		70 - 130	
	MSD	1428224-23	ND	0.13175	0.12500	mg/kg	0.7	105	20	70 - 130	
<b>1,2-Dichloroethane-d4 (Surrogate)</b>	MS	<b>1428224-23</b>	<b>ND</b>	<b>0.061940</b>	<b>0.050000</b>	<b>mg/kg</b>		<b>124</b>		<b>70 - 121</b>	<b>S09</b>
	MSD	<b>1428224-23</b>	<b>ND</b>	<b>0.062590</b>	<b>0.050000</b>	<b>mg/kg</b>	<b>1.0</b>	<b>125</b>		<b>70 - 121</b>	<b>S09</b>
Toluene-d8 (Surrogate)	MS	1428224-23	ND	0.051650	0.050000	mg/kg		103		81 - 117	
	MSD	1428224-23	ND	0.052360	0.050000	mg/kg	1.4	105		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1428224-23	ND	0.055620	0.050000	mg/kg		111		74 - 121	
	MSD	1428224-23	ND	0.055590	0.050000	mg/kg	0.1	111		74 - 121	

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**Reported:** 12/23/2014 16:48  
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## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BXL2023</b>						
Diesel Range Organics (C12 - C24)	BXL2023-BLK1	ND	mg/kg	2.0	0.24	
<b>Tetracosane (Surrogate)</b>	<b>BXL2023-BLK1</b>	<b>80.4</b>	<b>%</b>	<b>40 - 130 (LCL - UCL)</b>		
<b>QC Batch ID: BXL2071</b>						
Diesel Range Organics (C12 - C24)	BXL2071-BLK1	ND	ug/L	50	6.8	
<b>Tetracosane (Surrogate)</b>	<b>BXL2071-BLK1</b>	<b>98.1</b>	<b>%</b>	<b>30 - 150 (LCL - UCL)</b>		

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**Project Manager:** Jack Packwood

## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BXL2023</b>										
Diesel Range Organics (C12 - C24)	BXL2023-BS1	LCS	13.609	16.393	mg/kg	83.0		50 - 130		
Tetracosane (Surrogate)	BXL2023-BS1	LCS	0.53687	0.65574	mg/kg	81.9		40 - 130		
<b>QC Batch ID: BXL2071</b>										
Diesel Range Organics (C12 - C24)	BXL2071-BS1	LCS	516.78	500.00	ug/L	103		50 - 140		
Tetracosane (Surrogate)	BXL2071-BS1	LCS	19.504	20.000	ug/L	97.5		30 - 150		

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent		Lab Quals
								Recovery	RPD	
<b>QC Batch ID: BXL2023</b>		Used client sample: Y - Description: GDC-21-10-DUP, 12/17/2014 11:17								
Diesel Range Organics (C12 - C24)	MS	1430144-03	2.0910	14.009	16.835	mg/kg		70.8		40 - 150
	MSD	1430144-03	2.0910	13.154	16.779	mg/kg	6.3	65.9	30	40 - 150
Tetracosane (Surrogate)	MS	1430144-03	ND	0.49261	0.67340	mg/kg		73.2		40 - 130
	MSD	1430144-03	ND	0.52543	0.67114	mg/kg	6.4	78.3		40 - 130
<b>QC Batch ID: BXL2071</b>		Used client sample: N								
Diesel Range Organics (C12 - C24)	MS	1416132-30	ND	399.60	500.00	ug/L		79.9		50 - 140
	MSD	1416132-30	ND	420.15	500.00	ug/L	5.0	84.0	30	50 - 140
Tetracosane (Surrogate)	MS	1416132-30	ND	15.093	20.000	ug/L		75.5		30 - 150
	MSD	1416132-30	ND	15.580	20.000	ug/L	3.2	77.9		30 - 150

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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**Reported:** 12/23/2014 16:48  
**Project:** EN047  
**Project Number:** Centennial Corridor  
**Project Manager:** Jack Packwood

**Notes And Definitions**

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected at or above the reporting limit
- PQL Practical Quantitation Limit
- RPD Relative Percent Difference
- A52 Chromatogram not typical of diesel.
- S08 The internal standard on the sample was not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.
- Z1 The sample was analyzed three times with matrix interference of the internal standards.