Final Phase II Environmental Site Assessment (ESA)

for the

Longboat Solar Project

San Bernardino County, California

Prepared for:

Duke Energy Renewables Solar, LLC
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Cincinnati, Ohio 45202

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GCE Project # 1443-3-5

17 February 2015

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1.0 INTRODUCTION

The following is the final report by GC Environmental, Inc. (GCE) for the **Longboat Solar Project Phase II Environmental Site Assessment (ESA)** at a subject property located at 25049 & 25749 Community Boulevard, in a rural area near Barstow, California (Site). The Site is near the unincorporated towns of Hinkley and Lenwood, California. The impetus for this Phase II ESA is in part based on the conclusions and recommendations of the Phase I ESA that GCE completed dated 18 August 2014. An overview of the Phase I ESA is provided in the following section.

The scope of the Phase II ESA was subdivided into three tasks, namely:

- **Task 1:** Ground-Penetrating Radar
- **Task 2:** Soil Sampling
- **Task 3:** Groundwater Sampling

The results of this Phase II ESA investigation, which is based on sampling, site inspections and the review of government environmental regulatory databases and historical information, indicate that no environmental conditions were detected at the Site which would warrant a recommendation of subsequent testing or remediation. Based on the results of this investigation, it is recommended that no further action be taken at this time.

This Phase II ESA was prepared by Richard Frizzell, PG, Project Geologist, Ross Brown, EIT, Project Engineer and Dean Stanphill, PE, President, GCE.

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2.0 BACKGROUND

GCE conducted a Phase I Environmental Site Assessment on an approximately 229-acre portion (hereinafter referred to collectively as the "Site") of four contiguous properties totaling approximately 324.94 acres located at 25409 and 25749 Community Boulevard, in unincorporated San Bernardino County, California. A site vicinity map is presented in **Figure 1—Vicinity Map**; a site plan is presented in **Figure 2—Soil and Ground Water Sampling Maps**. The site plans showing the soil and groundwater sample locations are shown on four separate maps: **Figure 2A—Soil and Ground Water Sampling Map: North**, **Figure 2B—Soil and Ground Water Sampling Map: East**, **Figure 2C—Soil and Ground Water Sampling Map: Central** and **Figure 2D—Soil and Ground Water Sampling Map: West**.

GCE's study was conducted in order to identify, to the extent feasible, Recognized Environmental Conditions (RECs) in connection with the Subject Site. GCE compiled and reviewed information that was obtained from interviews, document research, Environmental Data Resources (EDR) reporting and on-site and area reconnaissance to identify potential environmental conditions at the Site; in conformance with the American Society for Testing Materials *(*ASTM) Standard E 1527-05 Environmental Site Assessment Standard Practice (ASTM Standard E 1527-05). The Phase I ESA was conducted during late July and early August 2014.

The four properties at the site are designated with San Bernardino County Assessor's Parcel Numbers (APN) 0497-071-40-0000, 0497-101-05-0000, 0497-101-14-0000, and 0497-121-28-0000. **The work associated with the Phase I ESA was limited to the approximately 229 acres of the "buildable" properties on which a photovoltaic solar panel installation is planned.** A summary of the record search and site review for the Phase I ESA follows:

- Based on information provided by the EDF Renewable Energy, Inc. (EDF RE), Hill's Ranch, which occupies the northeast, southeast, and central portions of the Site, was established in 1901 and has been in continuous operation since then.
- The Site was partially developed with agricultural uses by the time the first available aerial photograph of the Site was taken in 1953; the balance was undeveloped desert with low bush-type vegetation. The entire Site was under agricultural use by the time the 1973 aerial photograph was taken. Irrigated cultivation appears to have reached its peak when the 1989 aerial photograph was produced. Following the 1995 aerial photograph, regular irrigation of the Site ceased entirely. No other uses other than those related to cultivation and animal husbandry are evident for the Site and its immediate area over the years 1953, 1964, 1973, 1989, 1995, 2005, 2009, 2010, and 2012 for which aerial photographs are available (1953, 1964, 1973, 1989, 1995, 2005, 2009, 2010, and 2012). Based on the aerial photographs and the 1901 commencement

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of operations at Hill's Ranch, the Site and its immediate area have been under continuous use for more than 110 years. During this time, a variety of hazardous substances (e.g. pesticides and herbicides) may have been released to the land through intentional and/or accidental means.

- There was no evidence of soil staining observed during the Site visit.
- A search of several federal, state, and local environmental agency databases did not reveal any records of hazardous or otherwise deleterious environmental releases or land uses that may indicate a potential for such releases. However, one site was indicated within the search radius called for in ASTM E 1527-05: Green Valley Foods [sic] Products (Green Valley), located at 25684 Community Boulevard. This is directly north of the west and central portions of the Site (across Community Boulevard), and is adjacent to the northeast portion of the Site.
- Contrary to law, the Green Valley facility discharged its waste water directly to the ground for approximately 15 years. In December 2011, the facility began to export its waste water off-site for proper disposal. Specific constituents include chloride, total and fecal chloroform, fluoride, iron, pH, specific conductance, total dissolved solids, and volatile organic compounds.
- Studies undertaken to determine the impact the Green Valley facility may have had on the groundwater in the area were conducted by the Lahontan Regional Water Quality Control Board which has jurisdiction with respect to California water quality in the area. The study concluded that "the Discharger's….practice [of discharging waste water to the ground in an uncontrolled manner] has likely caused or contributed to groundwater pollution with respect to iron, nitrates, specific conductance, total dissolved solids (TDS), and Volatile Organic Compounds (VOC)." The extent of the facility's contribution to groundwater pollution was not fully determined, nor was the groundwater flow velocity determined in the study. However, as regional groundwater flow direction is overall to the east-southeast, it is likely Green Valley's uncontrolled releases have had deleterious consequences to the Subject Site's groundwater.
- The other reviewed database types were: 1) historic topographic maps, 2) Sanborn fire insurance maps, 3) environmental lien and activity-and-use-limitation (AUL) records, 4) property-tax map records, 5) building permit records, and 6) city directory images. No additional hazardous-material threats to the Site were revealed.
- The Subject Site is located in a rural area and occupied by agricultural uses. At the time of our site visit on 6 August 2014, the Site was not being actively irrigated and was dominated by low bush-type vegetation typical of the area's desert climate. Other features observed during the site visit include:
    - Concrete stand pipes rising from the ground surface.

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- A wide variety of storage tanks, including an above-ground storage tank and apparent fueling station.
- Rows of trees along what appears to be dry irrigation canals. General experience has shown that such areas are particularly linked to historic use of the insecticide dichlorodiphenyltrichloroethane (DDT), associated with mosquito-abatement measures.
- Manure piles in the south-central portion of the Site.

2.1 Summarized Conclusion of the Phase I Environmental Site Assessment

The Phase I ESA concluded that based on the extensive, more than century-long agricultural use of the Site, there is the possibility that a variety of pesticides, herbicides, and comparable agricultural contaminants have been used and are present in the soil. Specifically, our experience of similar sites indicates that soil contamination by substances such as DDT and organophosphate may occur at depths of approximately 3 to 5 feet below ground surface in many areas of the Site. In addition, if the manure piles originate from sources other than the on-site livestock (such as a waste-water treatment plant), heavy metals and other contaminants may be present. Further, hydrocarbons from unregistered underground storage tanks and other sources may have been introduced to the Site's soil and/or groundwater.

Although the subject Site does not have any direct, recorded history of possible contamination from hazardous waste, it was our recommendation that EDF RE evaluate their risk tolerance regarding potential contamination of the Site. Un-registered underground storage tanks, burn dumps, illegally-deposited refuse, and other unknown hazardous characteristics may exist on the Site that were not readily discernible within the scope of a Phase I ESA. As such, EDF RE and Duke Energy Renewables Solar, LLC retained GCE to prepare a Phase II ESA.

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3.0 THE PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA) PROCESS

3.1 Purpose

The Phase II ESA was completed pursuant to ASTM International (ASTM) Standard E1903—11, "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process." Per E1903-11:

> *This practice covers a process for conducting a Phase II Environmental Site Assessment (ESA) of a parcel of property with respect to the presence or the likely presence of substances including but not limited to those within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (e.g., hazardous substances), pollutants, contaminants, petroleum and petroleum products, and controlled substances and constituents thereof.*

Further, ASTM E1903—11 include the following objectives:

> *This practice is intended for use in any situation in which a user desires to obtain sound, scientifically—valid data concerning actual property conditions, whether or not such data relate to property conditions previously identified as Recognized Environmental Conditions (RECs) or data gaps in Phase I ESAs. Without attempting to define all such situations, this practice contemplates that users may seek such data to inform their evaluations, conclusions, and choices of action in connection with objectives that may include, without limitation, one or more of the following:*
>
> - *Assess whether there has been a release of hazardous substances within the meaning of CERCLA, for purposes including landowner liability protections (i.e., innocent landowner, bona fide prospective purchaser, and contiguous property owner).*
> - *Provide information relevant to identifying, defining and implementing landowner "continuing obligations," or the criteria established under CERCLA (e.g., taking reasonable steps to prevent or limit exposures to previously released hazardous substances) for maintaining the CERCLA landowner liability protections.*
> - *Develop threshold knowledge of the presence of substances on properties within the scope of the CERCLA definition of a "brownfield site" and as required for qualifying for brownfields remediation grants from the EPA Brownfields Program.*
> - *Provide information relevant to identifying, defining and evaluating property conditions associated with target analytes that may pose risk to human health or*

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the environment, or risk of bodily injury to persons on the property and thereby give rise to potential liability in tort.

- *Provide information relevant to evaluating and allocating business environmental risk in transactional and contractual contexts, including transferring, financing and insuring properties, and due diligence relating thereto.*
- *Provide information to support disclosure of liabilities and contingent liabilities in financial statements and securities reporting.*

ASTM E 1527-05, the standard under which Phase I ESAs are conducted, defines the term "Recognized Environmental Conditions" thusly:

> *The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally would not be subject to enforcement action if brought to the intention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

In short, Phase I and Phase II ESAs are part of the same due-diligence process. Whereas the Phase I ESA process screens for evidence of actual or potential RECs that may impose a liability on the potential users of a site, Phase II ESAs serve to provide detailed information on the degree to which a site has been affected by RECs.

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4.0 SCOPE OF WORK

GCE's scope of work for the Phase II Environmental Site Assessment of the Site included the following items as discussed in this section:

- Section 4.1 Subsurface Investigation via Ground-Penetrating Radar
- Section 4.2 Soil Sampling
- Section 4.3 Groundwater Sampling

GCE completed a site-specific Health and Safety Plan (H&S Plan) for the field work at the Site. The H&S Plan included areas of concern, chemicals of concern, physical concerns and also included a map to the nearest hospital. Field crews were briefed prior to commencement of activities each day. The field crews were required to sign the H&S Plan acknowledging that they received and understood the H&S Plan.

No issues occurred during GCE's field work. The signed copy of the H&S Plan is included as **Appendix A – Health and Safety Plan**.

4.1 Subsurface Investigation via Ground-Penetrating Radar

GCE supervised a subsurface investigation using electromagnetic- and ground-penetrating-radar (GPR) locating equipment to determine the presence or absence of possible buried debris, garbage, underground storage tanks, and other buried features at the Site. All confirmed buried debris, garbage, underground storage tanks, and other anomalies were delineated on the ground with American Public Works Association (APWA) color-coded marking paint, marking chalk, and survey flags/whiskers.

It was our understanding that the primary concern is with respect to the presence of underground storage tanks (USTs) that may affect the installation of the PV module stands. The GPR survey was conducted in areas known to exhibit historical use (including existing site infrastructure); i.e., the areas of the Site that were most likely to contain USTs should they be present. In the course of this search, other buried debris items were also detected if present in the search areas.

Based on the survey completed on 11 December 2014, our contracted geophysical survey company, Pacific Coast Locators, Inc., located in La Crescenta, California, identified several possible targets of interest.

Four (4) areas of possible fill were identified; three on Parcel 1; Area 2 (**Figure 2B**) and one on Parcel 1; Area 1 (**Figure 2C**). GCE investigated each of these and found that they were small

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areas that had previously been disturbed. GCE placed four borings (Ba-15, Bb-08, Bb-09 and Bb-11) in these areas.

In addition to the areas of disturbed soil, the geophysical survey identified several known and unknown buried linear anomalies. The geophysical survey company reported that these appear to be buried pipelines mostly associated with agricultural irrigation or known utility lines.

A copy of the final geophysical report is included as **Appendix B – Geophysical Report**.

4.2 Soil Sampling

4.2.1 Underground Service Alert

GCE took precautions to avoid damaging underground features in the performance of the field work by arranging for an Underground Service Alert (USA) with USA North 811 (formally "Dig Alert") to identify the locations of the underground utilities at the Site.

GCE contacted USA on 8 December 2014; USA assigned the two "Dig-Alert" ticket numbers shown in **Table 1** to the Site.

Table 1.
Underground Service Alert (USA: "Dig-Alert") Ticket Numbers
Proposed Longboat Solar Project
San Bernardino County, CA

USA (Dig-Alert) Number:	Included Parcels:	Figure Number:
A43420722	**Parcel 1; Area 3**	**Figure 2A**
A43420715	**Parcel 1; Area 1** **Parcel 1; Area 2** **Parcel 2: Area 1** **Parcel 2: Area 2**	**Figure 2C** **Figure 2B** **Figure 2D** **Figure 2D**

GCE did not encounter any underground utility lines during the drilling operations at the Site. A copy of the USA Service Ticket Confirmations and Communications is included at **Appendix C - Underground Utility Service Alert Confirmation**.

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4.2.2 Soil Sampling Along Tree Lines and Open Irrigation Ditches (*Ba-Series Soil Samples*)

GCE's experience with similar sites has shown that DDT and other insecticides are likely along tree lines and irrigation ditches in agricultural settings. The application of insecticides in these types of areas at agricultural sites was primarily performed as a mosquito-abatement measure. Samples of the soils from 1- and 5-foot below ground surface (bgs) were taken in intervals of approximately 1,000 feet along the tree lines and irrigation ditches of the Site with a hand auger. A total of 16 locations were identified and sampled; this equated to a total of 32 soil samples. The location of one (1) soil boring (Ba-15) was selected due to a subsurface soil anomaly noted during the geophysical survey.

The samples were placed in clean jars and sent to a laboratory for analysis. The hand-auger was decontaminated between borings using tap and distilled water baths.

A photographic log of the field work has been included in **Appendix D – Photographic Log**.

4.2.3 Near-Surface Soil Sampling (*Bb-Series Soil Samples*)

To ascertain the presence of hazardous substances in the near-surface soil, GCE collected 25 soil samples representing a composite of the top 5-feet of soil via a direct-push drill rig. Sample locations were chosen to provide a representative assessment of the Site to the highest degree possible. The locations of three (3) soil borings (Bb-08, Bb-09 and Bb-11) were selected due to subsurface soil anomalies noted during the geophysical survey.

GCE contracted with Strongarm Environmental Field Services, located in Norwalk, California. To expedite the soil sampling, two direct-push rigs were contracted to complete the work on 10 December 2014. GCE provided two field professionals (Richard Frizzell and Tommy Smith) to supervise the two crews. The work was completed in one day.

The direct push system utilized 5-foot long acrylic tubing sleeves.[1] These sleeves were cut in half and placed inside of an ice-filled cooler for transport to the laboratory. The samples were at the laboratory the same day they were collected for nearly all sample sets. One set was at the laboratory the day following collection. All samples that were involved in testing for

[1] The samples were collected in acrylic tubing. Before capping, Teflon® tape was placed on the ends of the tubing. Acrylic tubing is an approved sample container per the California Department of Toxic Substances Control guidance document for the implementation of US EPA Method 5035: Methodologies for Collection, Preservation, Storage, and Preparation of Soils to be Analyzed for Volatile Organic Compounds.

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volatiles were at the laboratory the same day of testing. Regardless of the day of arrival, all samples were at the laboratory within the time intervals necessary for valid analytical results.

The equipment was decontaminated between borings using both tap and distilled water baths. The purpose of transporting these soil samples to the laboratory inside the sleeves was to preserve any volatile or semi-volatile organic compounds that may have been present in the sample. Once at the laboratory, the soil samples were composited prior to analysis.

4.2.4 Soil Sampling Along Pumps and Above Ground Features (*Bc-Series Soil Samples*)

GCE collected soil samples proximate to the on-site groundwater pumps and the above ground features to determine if any hydrocarbon-based material has been emitted to the ground by the operation of these devices. Samples were collected via hand-auger. The following reasons were used for locating these six borings:

- **Bc-01:** Discolored soil (approximately 10-foot by 15-foot) around Well #1; the "J" Well located north of Community Boulevard in Parcel 1; Area 3 (**Figure 2A**)
- **Bc-02:** Discolored soil (approximately 10-foot by 10-foot) around the disconnected groundwater well located in Parcel 1; Area 1 (**Figure 2C**)
- **Bc-03:** Discolored soil (approximately 15-foot by 15-foot) around the disconnected groundwater well located in Parcel 1; Area 1 (**Figure 2C**)
- **Bc-04:** Trench (10 feet wide, 40 feet long, 3 to 4 feet deep) containing construction debris in Parcel 2; Area 1 (**Figure 2D**)
- **Bc-05:** Structure believed to be a fuel trailer with some surface staining (5-foot by 5-foot) in Parcel 2; Area 1 (**Figure 2D**)
- **Bc-06:** Discolored soil (approximately 10-foot by 15-foot) around the disconnected groundwater well located in Parcel 2; Area 1 (**Figure 2D**)

Surface staining was observed in each of these six locations. The soil samples were collected from 1- and 5-foot intervals; this equates to a total of 12 soil samples.

These samples were placed in clean jars and sent to a laboratory for analysis. The hand-auger was decontaminated between borings using tap and distilled water baths.

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4.3 Groundwater Sampling

4.3.1 Existing Domestic Well Groundwater Sampling

Based on the available data from the Phase I ESA, the depth of groundwater was anticipated to the range from 60 to 100 feet although it may occur at shallower depths at locations near the Mojave River.

On 8 January 2015, GCE collected groundwater samples from the five functioning domestic groundwater wells on site. They are designated for this report Wells #1 to #5. The following are the locations of these wells:

- **Well #1** (owner designated this "J" or "North" Well); Parcel 1; Area 3 (**Figure 2A**)
- **Well #2** (domestic well for houses); Parcel 1; Area 1 (**Figure 2C**)
- **Well #3** (domestic well for houses); Parcel 1; Area 2 (**Figure 2B**)
- **Well #4** (domestic well for houses); Parcel 1; Area 2 (**Figure 2B**)
- **Well #5** (domestic well for house); Parcel 2; Area 1 (**Figure 2D**)

Groundwater was observed at depths that ranged from 79 to 81 feet bgs. The regional groundwater flow direction is believed to be influenced by the nearby Mojave River, but is overall to the east-southeast. Information regarding specific groundwater flow velocities at the Site is not available.

Groundwater samples were collected from each of these wells using laboratory-prepared bottles obtained from the laboratory. Once the samples were collected, they were placed in an ice-filled chest for transport to the laboratory. All of the samples were at the laboratory the same day they were collected. Trip blanks (used to eliminate or control for possible contaminants in the air during retrieval of the samples) were placed in each cooler for sample integrity control.

4.3.2 Collection of a Grab Groundwater Sample (*Bd-Series Groundwater Sample*)

By way of a hollow-stem auger, GCE obtained one groundwater grab sample at the point where groundwater was encountered; this boring is designated Bd-01. GCE obtained a well permit to install this boring from the County of San Bernardino, Department of Public Health, Environmental Health Services (County).

The permit was approved by the County on 11 December 2014. A copy of the approved permit is included at **Appendix E - Well Permit for Bd-01**.

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GCE contracted with JDK Drilling, Inc., located in Orange, California to complete the boring and collect the grab groundwater sample. Drilling commenced on 15 January 2015 and used a truck-mounted, hollow-stem CME-85 drilling rig turning 8¼-inch outer diameter auger. GCE drove SPTs for the upper 45 feet of soil every five feet to obtain blow counts. This also provided GCE with intact soil samples to log the soil boring. GCE logged the soil boring below 50 feet bgs from the cuttings generated from the drilling operations.

GCE drilled until groundwater was encountered and then penetrated an additional 10 feet into the groundwater bearing zone. Groundwater was encountered at 79 feet bgs. The boring was completed to 90 feet bgs.

GCE directed the drilling company to install temporary well casing for the purpose of collecting the sample. The drillers installed 90 feet of 2-inch SCH40 polyvinyl chloride (PVC) well casing that had five feet of screened interval (0.020-inch horizontal slot) from 85 to 90 feet bgs. The contractor bailed out the water inside the casing to affect a purge. GCE estimates that two volumes of water were removed.

The groundwater samples collected from the boring was placed in laboratory-prepared bottles obtained from the laboratory. Once the samples were collected, they were placed in an ice-filled chest for transport to the laboratory. All of the samples were at the laboratory the same day they were collected. Trip blanks were placed in each cooler for sample integrity control.

GCE directed the drilling company to remove the temporary well casing and completely backfill the full depth of the boring to the existing ground surface using a bentonite-based grout per the County's permit. A copy of the drilling log has been included as **Appendix F – Boring Log for Bd-01**.

4.4 Report

This report of findings generally follows the format suggested by ASTM E1903-11. This report will discuss the objectives, methods, and findings of the Phase II Site Assessment.

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5.0 LABORATORY ANALYSIS

The constituents of interest in a laboratory analysis undertaken as part of a Phase II assessment are known by ASTM E1903-11 as "target analytes." This term is defined by ASTM E1903-11 Section 3.1.50 as, "Substances that are present in, or have been released or potentially have been released to, environmental media [i.e., soil and groundwater] at the Site, and which are of interest in the context of the particular Phase II ESA and its objectives, the presence of which will be sought and concentrations of which will be quantified through field screening or chemical testing."

Selection of the particular constituents of interest was the responsibility of the Phase II Assessor (i.e., GCE), per ASTM E1903-11 Section 6.4.3.1. The target analytes that we required the laboratory to undertake for the soil and groundwater analyses are discussed in the following subsections.

5.1 Soil Sample Analysis

5.1.1 Soil Samples from Along Tree Lines and Open Irrigation Ditches (*Ba-Series*)

To determine the presence of contaminants related to pesticide use along the tree lines and open irrigation ditches, the laboratory performed the following tests on these samples:

- Pesticides:
  - USEPA Method 8081—Organochlorinated Pesticides
  - USEPA Method 8141—Organophosphorated Pesticides
  - USEPA Method 8151—Herbicides

5.1.2 Near-Surface Soil Samples (*Bb-Series*)

To determine the presence of contaminants related to general agricultural use, the laboratory performed the following tests on these samples:

- Pesticides:
  - USEPA Method 8081—Organochlorinated Pesticides
  - USEPA Method 8141—Organophosphorated Pesticides
  - USEPA Method 8151—Herbicides
- Hydrocarbons:
  - USEPA Method 418.1—Total Petroleum Hydrocarbons (TPH)
  - USEPA Method 8015—TPH—Carbon Chains (C6-C44)

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  - USEPA Method 8015—TPH—Gasoline
  - USEPA Method 8260B—Volatile Organic Compounds (VOCs)
- Polycyclic Aromatic Hydrocarbons (PAHs):
  - USEPA Method 8310—PAHs

5.1.3 Soil Samples from Pumps and the Above-Ground Features (*Bc-Series*)

To determine the presence of contaminants related to uses around pumps and the aboveground storage tank on the western end of the Site, the laboratory performed the following tests on these samples:

- Hydrocarbons:
  - USEPA Method 418.1—TPH
  - USEPA Method 8015—C6-C44
  - USEPA Method 8015—TPH—Gasoline
  - USEPA Method 8260B—VOCs

5.2 Groundwater Sample Analysis

As discussed in the Phase I ESA for the Site, there is evidence to support that the unauthorized releases of wastewater by the neighboring Green Valley facility have affected groundwater in the surrounding area. This conclusion was initially made by the Lahontan Regional Quality Control Board (LRQCB). Because the Site is downgradient from Green Valley, it is possible that groundwater effects from that facility have migrated to the groundwater under the Site. To find evidence of this, it is reasonable to choose the same constituents of analysis for the groundwater samples collected at the Site that LRQCB requires Green Valley to monitor per LRQCB Monitoring and Reporting Program No. R6V-2010-0019. These include:

- USEPA Method 300.0—Chloride
- USEPA Method 300.0—Fluoride
- SM9221B-TC—Total Coliform
- SM9221B/E-FC—Fecal Coliform
- USEPA Method 6010B—Iron (dissolved)
- SM 4500 H +B—pH
- SM 2510 B—Specific Conductance (SC)
- SM 2540 C—Total Dissolved Solids (TDS)
- USEPA Method 8260B—Volatile Organic Compounds (VOCs)

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In addition, testing was conducted to determine the presence of contaminates in the groundwater that are products of general agricultural uses at the site. The specific tests are as follows:

- Pesticides:
  - USEPA Method 314.0—Perchlorate
  - USEPA Method 8081—Organochlorinated Pesticides
  - USEPA Method 8141—Organophosphorated Pesticides
  - USEPA Method 8151—Herbicides
- Polycyclic Aromatic Hydrocarbons (PAHs):
  - USEPA Method 8310—PAHs
- Hydrocarbons
  - USEPA Method 418.1—TRPH
  - USEPA Method 8015B (M)—TPH-Motor Oil
  - USEPA Method 8015B (M)—TPH-Gasoline
  - USEPA Method 8015B (M)—TPH-Diesel
  - USEPA Method 8015B (M)—Carbon Chain (C6-C44)

GCE collected groundwater samples from five wells (Wells #1 to #5) and one boring (Bd-01). Copies of the laboratory results are included at **Appendix G—Laboratory Reports**.

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6.0 RESULTS OF SOIL AND GROUNDWATER SAMPLING

6.1 Soil Sample Analysis

6.1.1 Near-Surface Soil Samples (*Ba-Series*)

A total of 32 soil samples from 16 soil borings were analyzed as part of the Ba-Series soil samples. The detectable concentrations reported by the laboratory are shown in bold in **Table 2**, below. A full presentation of the laboratory analysis results is included in **Attachment 1: Soil Sampling Results: Ba-Series.**

TABLE 2.
SUMMARY OF SOIL SAMPLING RESULTS: Ba-SERIES
Environmental Intelligence, LLC
Proposed Longboat Solar Facility, San Bernardino County, CA
January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-09-01	Ba-09-05	Ba-10-05	Ba-12-01
Heptachlor Epoxide	8081A (O-Cl Pest)	µg/kg	**5.6**	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	µg/kg	**38**	**13**	**5.6**	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	µg/kg	**25**	**8.2**	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	µg/kg	**15**	**5.7**	ND (5.0)	**6.4**

Notes:
µg/kg = micrograms per kilogram
ND = Not detected above the reported laboratory detection limit concentration (*in parenthesis*)

Trace concentrations of pesticides have been detected in a dry irrigation ditch along the western boundary of Parcel 1; Area 3 (**Figure 2A**) and two borings in Parcel 2; Area 1 (**Figure 2D**).

6.1.2 Soil Samples from Along Tree Lines and Open Irrigation Ditches (*Bb-Series*)

A total of 25 composited soil samples from 25 soil borings were analyzed as part of the Bb-Series soil samples. The detectable concentrations reported by the laboratory are shown in **Table 3**, below. A full presentation of the laboratory analysis results is included in **Attachment 2: Soil Sampling Results: Bb-Series.**

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TABLE 3.
SUMMARY OF SOIL SAMPLING RESULTS: Bb-SERIES
Environmental Intelligence, LLC
Proposed Longboat Solar Facility, San Bernardino County, CA
January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bb-01 (0-5')	Bb-04 (0-5')
Acenaphthene	8310C	µg/kg	**30**	**73**

Notes:

µg/kg = micrograms per kilogram
ND = Not detected above the reported laboratory detection limit concentration (*in parenthesis*)

Both of these samples are from Parcel 1; Area 3 (**Figure 2A**). It should be noted that this area appears to have received soil as stockpile. The soil appears to be darker than the native soil. It also should be noted that it does appear that this soil has been spread.

6.1.3 Soil Samples from Pumps and the Above Ground Features (*Bc-Series*)

A total of 12 soil samples from 6 soil borings were analyzed as part of the Bc-Series soil samples. The detectable concentrations reported by the laboratory are shown in **Table 4**, below. A full presentation of the laboratory analysis results is included in **Attachment 3: Soil Sampling Results: Bc-Series.**

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TABLE 4.
SUMMARY OF SOIL SAMPLING RESULTS: Bc-SERIES
Environmental Intelligence, LLC
Proposed Longboat Solar Facility, San Bernardino County, CA
January 2015

COMPOUND NAME	METHOD NUMBER	UNIT	Bc-01-01	Bc-02-01	Bc-03-01	Bc-06-01
TRPH	418.1 M	mg/kg	**4100**	**12**	**38**	**200**
C17-C18	8015B (M)	mg/kg	**7.3**	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/kg	**12**	ND (5.0)	ND (5.0)	**9.2**
C21-C22	8015B (M)	mg/kg	**28**	ND (5.0)	ND (5.0)	**17**
C23-C24	8015B (M)	mg/kg	**55**	ND (5.0)	ND (5.0)	**36**
C25-C28	8015B (M)	mg/kg	**120**	ND (5.0)	**11**	**91**
C29-C32	8015B (M)	mg/kg	**210**	ND (5.0)	**19**	**170**
C33-C36	8015B (M)	mg/kg	**170**	**8.0**	**22**	**150**
C37-C40	8015B (M)	mg/kg	**140**	ND (5.0)	ND (5.0)	**97**
C41-C44	8015B (M)	mg/kg	**96**	ND (5.0)	ND (5.0)	**51**
C6-C44 Total	8015B (M)	mg/kg	**850**	**12**	**59**	**640**

Notes:
mg/kg = milligrams per kilogram
ND = Not detected above the reported laboratory detection limit concentration (*in parenthesis*)

The top 1-foot of soil beneath the groundwater wells appears to have been affected by petroleum hydrocarbon compounds. This contamination does not extend to 5 feet bgs and appears to be primarily in the oil and grease range.

6.2 Groundwater Sample Analysis Results

The samples collected from the five groundwater wells and one soil boring (*Bd-Series*) had detectable concentrations of the analytes shown in **Table 5**, below. A full presentation of the laboratory analysis results is included in **Attachment 4: Groundwater Sample Results: Bd-Series and Existing Domestic Wells.**

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TABLE 5.
SUMMARY OF GROUNDWATER SAMPLING RESULTS:
Bd-SERIES AND EXISTING DOMESETIC WELLS
Environmental Intelligence, Inc.
Proposed Longboat Solar Facility, San Bernardino County, CA
January 2015

Compound Name	Method	Units	Well #1 (J-well)	Well #2	Well #3	Well #4	Well #5	Bd-01
pH	SM 4500 H+ B	pH Units	**7.26**	**7.22**	**7.25**	**7.27**	**7.32**	**7.25**
Specific Conductance	SM 2510B	µmhos/ cm	**740**	**740**	**810**	**750**	**940**	**620**
Total Dissolved Solids (TDS)	SM 2540C	mg/L	**540**	**515**	**570**	**540**	**675**	**435**
Iron (Dissolved)	6010B	mg/L	**0.809**	**0.955**	ND (0.10)	ND (0.10)	ND (0.10)	**214**
Fluoride	300.0	mg/L	**0.55**	**0.64**	**0.70**	**0.66**	**0.53**	**0.79**
Chloride	300.0	mg/L	**81**	**80**	**92**	**84**	**110**	**65**
Total Coliform	SM 9221B	MPN/ 100ml	**<18**	**<18**	**<18**	**<18**	**<18**	**<18**
Fecal Coliform	SM 9221B/E	MPN/ 100ml	**<18**	**<18**	**<18**	**<18**	**<18**	**<18**

Notes:
pH Units = pH units measured from 0 to 14
µmhos/cm = micromhos per centimeter
mg/L = milligram per liter
ND = Not detected above the reported laboratory detection limit concentration (*in parenthesis*)
MPN/100ml = Most Probable Number of coliform per 100 milliliters

Groundwater quality is moderate to good. Iron was elevated in Bd-01; likely due to the presence of the hollow stem augers in the boring. Total and fecal coliform were below the Most Probable Number. Organic compounds such as TPH and VOCs were not detected in the groundwater samples collected. Copies of the laboratory results are included at **Appendix G—Laboratory Reports**.

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7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

The following conclusions can be made from the data presented:

- The Site does have detectable concentrations of pesticides in the upper 5 feet of soil. However, the detected concentrations of pesticides at the Site are well below the US Environmental Protection Agency (USEPA) or California Office of Environmental Health Hazard Assessment (OEHHA) soil screening level concentrations for even a highly conservative screening level (i.e., Residential Soils). As such, no special handling or remediation is recommended. See Section 7.2.
- Trace concentrations of PAHs have been detected in the northern parcel (Parcel 1; Area 3: **Figure 2A**). This area appears to have had soil stockpiled on its surface. The PAH detected at the Site (Acenaphthene) appears to have a low level of risk to human activities or the environment and no subsequent testing or remediation is recommended.
- Oil and grease was detected in the upper 1-foot of soil around each of the groundwater wells tested. This petroleum contamination does not extend to a depth of 5 feet bgs and no subsequent testing or remediation is recommended.
- Groundwater quality appears to be moderate to good. No organic compounds were detected. Coliform samples did not have elevated concentrations. GCE recommends no special handling of groundwater at the Site.

7.2 Recommendations

The following recommendations are based on the results of the Phase II ESA field activities and reported concentrations from the laboratory:

Pesticides: Soil containing detectable concentrations of pesticides appears to be located primarily in two locations: Parcel 1; Area 3 (**Figure 2A**) and Parcel 2; Area 1 (**Figure 2D**).

To determine whether the concentrations of pesticides detected at the Site pose a potential threat to human health, screening levels from the USEPA and the OEHHA were consulted. These screening levels have been developed using risk-based concentrations derived from standardized equations that combine exposure information assumptions with toxicity data. They are generic and do not account for site-specific information.

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These screening levels are useful as an initial assessment of a site to identify areas that may need further investigation and/or remediation.

Screening levels from two USEPA sources were used. Screening levels in the first set are Regional Screening Levels (RSLs), which have been published by the USEPA region that includes the State of California, Region 9.[2] Screening levels in the second set are site specific Soil Screening Levels (SSLs) that the USEPA developed for a superfund project in Louisiana.[3] State of California Office of Environmental Health Hazard Assessment (OEHHA) has also published Soil "Human Health Screening Numbers" (SSN)[4]. For all sources, screening levels for **Residential Soil,** i.e., soil used in a residential context, were used. Residential screening levels are much more conservative than the intended use of the Site as a solar project, which is more industrial in nature. The soil screening levels for the detected compounds at the Site are presented in **Table 6**, below.

Table 6. Federal and California pesticide soil screening levels for detected compounds at the Site.

Compound	Highest Reported Concentration (µg/kg)	USEPA Regional Screening Level (RSL) (µg/kg)	USEPA Soil Screening Level (SSL) (µg/kg)	CA OEHHA Soil Screening Number (SSN)
Heptachlor epoxide	**5.6**	59	53	Not Given
4,4' DDE	**38**	1,600	1,400	1,600
4,4' DDD	**25**	2,200	2,000	2,300
4,4' DDT	**15**	1,900	1,700	1,600

As is seen in Table 6, the detected concentrations of pesticides at the site are well below the USEPA or California OEHHA soil screening level concentrations for the more conservative residential soil use.

[2] US EPA Region 9. *Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1)*. January 2015. Available at < http://www.epa.gov/region9/superfund/prg/>.
[3] US EPA Region 6. *Mossville Louisiana Final Site Inspection Report—May 03, 2011*. Table 7: EPA PRG, SSL, and MCL. Available at < http://www.epa.gov/region6/6sf/louisiana/calcasieu/si_final_report_contents.html>.
[4] California Office of Environmental Health Hazard Assessment. List of California Human Health Screening Levels (CHHSLs). September 2010. Available at < http://oehha.ca.gov/risk/soil.html>.

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In addition to the soil screening levels discussed above, the USEPA in the Code of Federal Regulations (Title 40, Chapter 1, Subchapter 1, Part 268, Subpart D – Treatment Standards)[5] sets Universal Treatment Standards (§268.48) for these contaminants. This standard is utilized for treatment facilities; however, it is insightful because:

> This portion of the CFR "identifies the hazardous constituents, along with the nonwastewater and wastewater treatment standard levels, that are used to regulate most prohibited hazardous wastes with numerical limits. For determining compliance with treatment standards for underlying hazardous constituents as defined in §268.2(i), these treatment standards may not be exceeded."

The table associated with this portion of the CFR indicates that the maximum concentration in any waste stream cannot exceed 87 µg/kg for DDE, DDD or DDT or 66 µg/kg for Heptachlor epoxide.

In light of the above findings, the pesticides detected at the Site appear to have a low level of risk to human activities or the environment and no subsequent testing or remediation is recommended.

PAH: The only polycyclic aromatic hydrocarbon (PAH) detected at the Site was Acenaphthene, which was detected in two of the composited soil samples from the northern parcel (Parcel 1; Area 3, **Figure 2A**). The (**residential soil**) soil screening levels (as discussed above) for Acenaphthene and the levels detected at the Site are presented in **Table 7**, below.

Table 7. Site-detected levels and Federal and California soil screening levels for PAHs.

PAH (Acenaphthene)	Reported Concentration (µg/kg)	USEPA Regional Screening Level (RSL) (µg/kg)	US EPA Soil Screening Level (SSL) (µg/kg)	CA OEHHA Soil Screening Numbers (SSN)
Ba-01 (0-5')	30	350,000	3,400,000	Not Given
Ba-04 (0-5')	73	350,000	3,400,000	Not Given

As is seen in Table 7, the detected concentrations of Acenaphthene at the site are well below the USEPA Acenaphthene soil screening level concentrations for residential soil.

[5] Regulation available at <http://www.ecfr.gov/cgi-bin/text-idx?node=40:27.0.1.1.3.4&rgn=div6>.

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In addition, the table presented in CFR Title 40, §268.48, indicates that the maximum concentration of Acenaphthene in any waste stream cannot exceed 3,400 µg/kg.

In light of the above, the PAH detected at the site (Acenaphthene) appears to have a low level of risk to human activities or the environment and no subsequent testing or remediation is recommended.

TRPH: Total Recoverable Petroleum Hydrocarbon (TRPH) compounds were detected at BC-01 [Parcel 1; Area 3 (**Figure 2A**)]; BC-02 [Parcel 1; Area 1 (**Figure 2C**)]; BC-03 [Parcel 1; Area 1 (**Figure 2C**)]; and BC-06 [Parcel 2; Area 1 (**Figure 2D**)] in the areas where surface staining was observed during the field assessment; the surface staining appears to have come from the operation of groundwater wells. The TRPH compounds found at the Site are primarily C22 and larger in size. These long-chain carbon compounds appear to be the primary source of the soil discoloration.

Semi-Volatile and Volatile Organic Compounds (SVOCs and VOCs) were not detected in either the 1- of 5-foot samples. The contamination does not have the lighter components.

The TRPH does not extend deeper than 5 feet bgs at any of the four locations encountered. The petroleum contamination appears to be confined to the near-surface soils.

The State of California has described conditions encountered at the Site that are associated with USTs. In the State of California, Regional Water Quality Control Board, *UST Closure Criteria (Draft) (April 2004, Revised September 2006)* memorandum would allow the TRPH encountered at the Site to remain in the ground. This is based on an analysis of the soil and depth to groundwater. Based on the criteria found in this document, the RWQCB would typically set the Action Level (AL) for TRPH of 10,000 milligrams per kilogram (mg/kg). **The lack of mobility of the material, the long-chained nature of the oil, the lack of VOCs and the depth of groundwater indicate that this oil-stained soil represents a very low level of risk to the groundwater in the region and no subsequent testing or remediation is recommended.**

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Groundwater: The groundwater does not appear to be impaired by petroleum products, pesticides or herbicides or coliform bacteria. The detected analytes for the five existing wells and the one groundwater boring are shown in **Table 8**, below. The standards these results are compared against are either the California Maximum Contaminant Level (MCL) for drinking water [6, 7] or the Lahontan Regional Water Quality Control Board (LRWQCB) *Lahontan Basin Plan*[8]. As discussed above, iron was elevated in Bd-01, likely due to the presence of the hollow stem augers in the boring. Iron levels in Wells #1 and #2 are also above the MCL for iron. Because a well upgradient of the Green Valley facility to establish a background level of iron in the groundwater was not included in this analysis, it is unknown if the iron levels detected in the wells at the Site have been affected by the unlawful Green Valley discharges. (These discharges were reported to have ceased in December 2011.) Total and fecal coliform were below the Most Probable Number. Organic compounds such as TPH and VOCs were not detected in the groundwater samples collected.

Overall, the water quality is considered good to moderate even when the elevated iron levels are taken into account. **GCE recommends no special handling of groundwater at the Site.**

[6] California State Water Resources Control Board. *Maximum Contaminant Levels and Regulatory Dates for Drinking Water: US EPA vs California*. July 2014. Available at
< http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.shtml>
[7] *Ibid.* Excerpt of California Code of Regulations Title 22, Division 4, Section 64449 Secondary Maximum Contaminant Levels and Compliance. May 2006. Available at
< http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chemicalcontaminants.shtml>
[8] Lahontan Regional Water Quality Control Board. *Lahontan Basin Plan*. March 1995 (Amended through December 2005). Available at <http://www.waterboards.ca.gov/rwqcb6/water_issues/programs/basin_plan/references.shtml>

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Table 8. Comparison of groundwater samples taken from the Site to state or basin standard.

Analyte	Units	MCL or standard	Well #1 (J-well)	Well #2	Well #3	Well #4	Well #5	Bd-01
pH	pH Units	6.5-8.5*	7.26	7.22	7.25	7.27	7.32	7.25
Specific Conductance	µmhos/ cm	900-1,600	740	740	810	750	940	620
Total Dissolved Solids (TDS)	mg/L	500-1,000	540	515	570	540	675	435
Iron (Dissolved)	mg/L	0.3	**0.809**	**0.955**	ND (0.10)	ND (0.10)	ND (0.10)	**214**
Fluoride	mg/L	2	0.55	0.64	0.70	0.66	0.53	0.79
Chloride	mg/L	250-500	81	80	92	84	110	65
Total Coliform	MPN/ 100ml	1.1*	<18	<18	<18	<18	<18	<18
Fecal Coliform	MPN/ 100ml	1.1*	<18	<18	<18	<18	<18	<18

Notes:

* Standard is from the Lahontan Regional Water Quality Control Board *Lahontan Basin Plan*. All others are California Primary or Secondary MCLs. For MCLs given as ranges, the low figure is the recommended level; the high figure is the upper level.

µmhos/cm = micromhos per centimeter
mg/L = milligram per liter
ND = Not detected above the reported laboratory detection limit concentration (*in parenthesis*)
MPN/100ml = Most Probable Number of coliform per 100 milliliters

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8.0 LIMITATIONS

GCE performed this Phase II ESA in conformance with all standards presented in ASTM E1903-11, as well as the general standards of care practiced by environmental-consulting professionals in California. However factors inherent to the Phase II Environmental Site Assessment process prevent us from guaranteeing that our assessment encompasses all the Recognized Environmental Conditions at the Project Site. Specific portions of the ASTM Method E1903-11 supporting this notion include, but are not limited to:

- **Section 4.2.1: Elimination of Uncertainty**
  No Phase II ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable.

- **Section 4.2.1.1: Failure to Detect**
  Even when Phase II ESA work is executed competently and in accordance with this practice, it must be recognized that certain conditions present especially difficult target analyte detection [challenges]. Such conditions may include, but are not limited to, complex geological settings, unusual or generally poorly understood behavior and fate characteristics of certain substances, complex, discontinuous, random, or spotty distributions of existing target analytes, physical impediments to investigation imposed by the location of utilities and other man-made objects, and the inherent limitations of assessment technologies.

- **Section 4.2.1.2: Limitations of Information**
  The effectiveness of a Phase II ESA may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and Phase II Assessor to obtain such information.

Although the Phase II Environmental Site Assessment is intended to provide the property user with more detailed information than what is possible with a Phase I Environmental Site Assessment, the ultimate decision to proceed with use of the subject property remains with the property user.

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9.0 CLOSURE

During the course of work, GCE carried workers' compensation insurance as required by law. Our findings and recommendations were prepared in accordance with generally-accepted professional engineering and geologic engineering principles and practice in California.

This Phase II ESA report is prepared solely for the use EDF RE and Duke Energy Renewables Solar, LLC.

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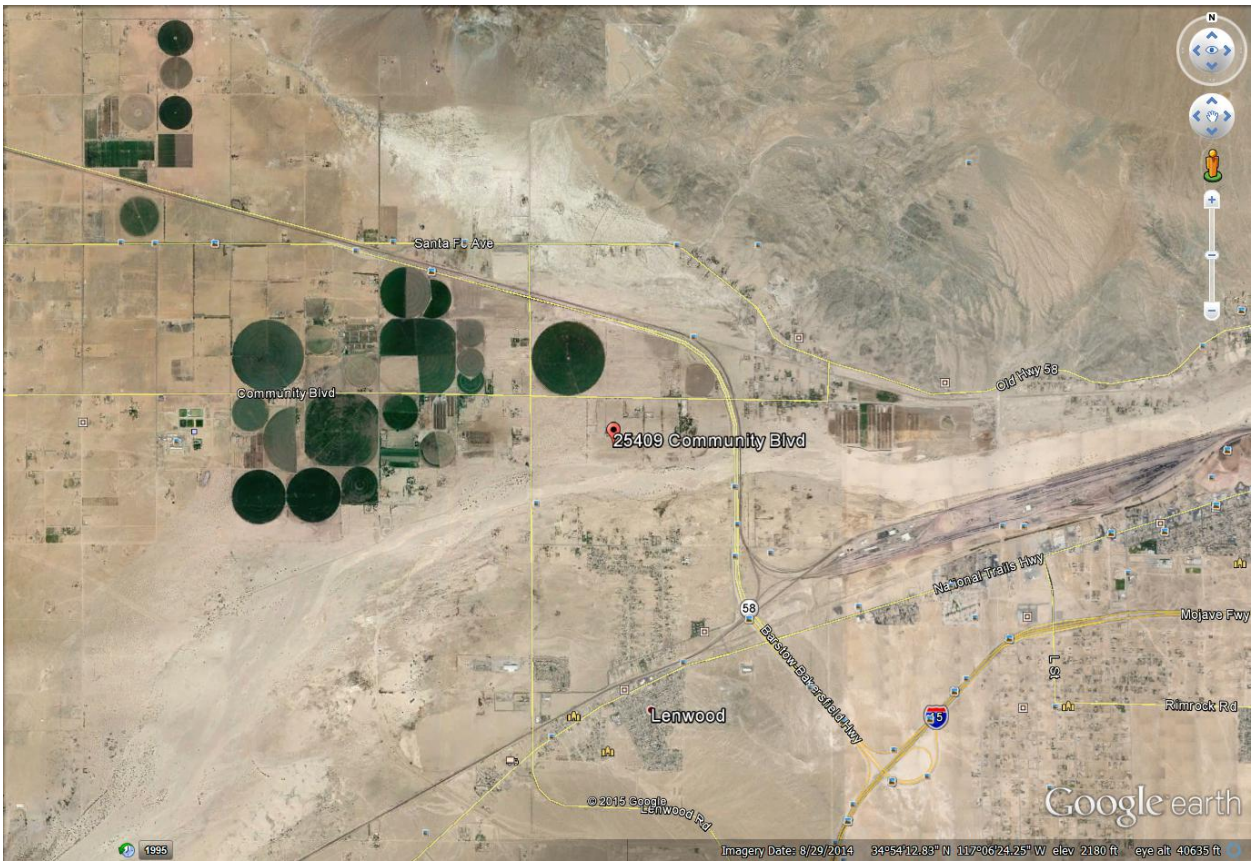
Figures

Figure 1: Site Vicinity Map

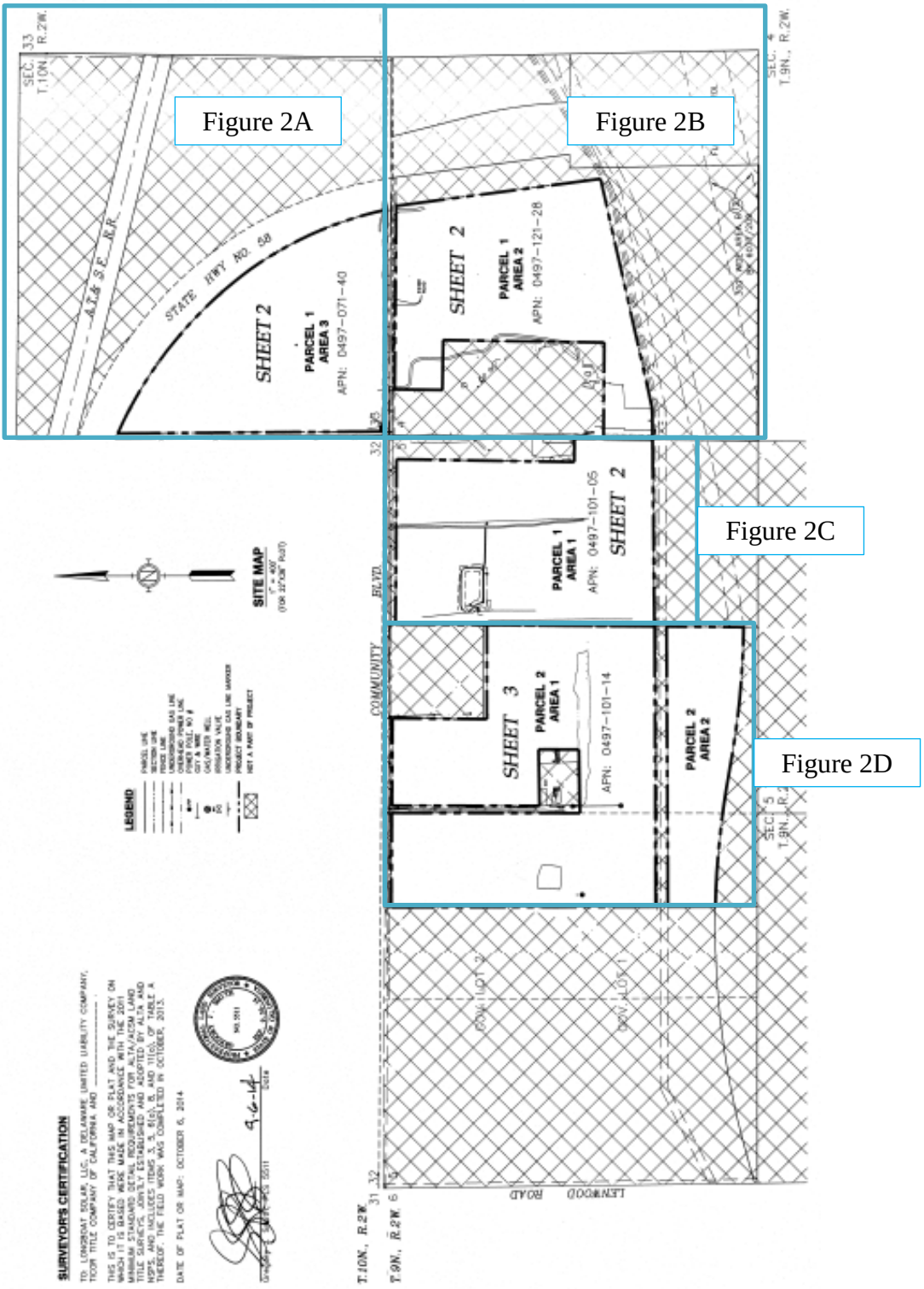


N

<u>Description:</u> Map shows approximate location of the Property (25409 – 25749 Community Boulevard, Barstow, CA). Nearest major cross-street is Lenwood Road.

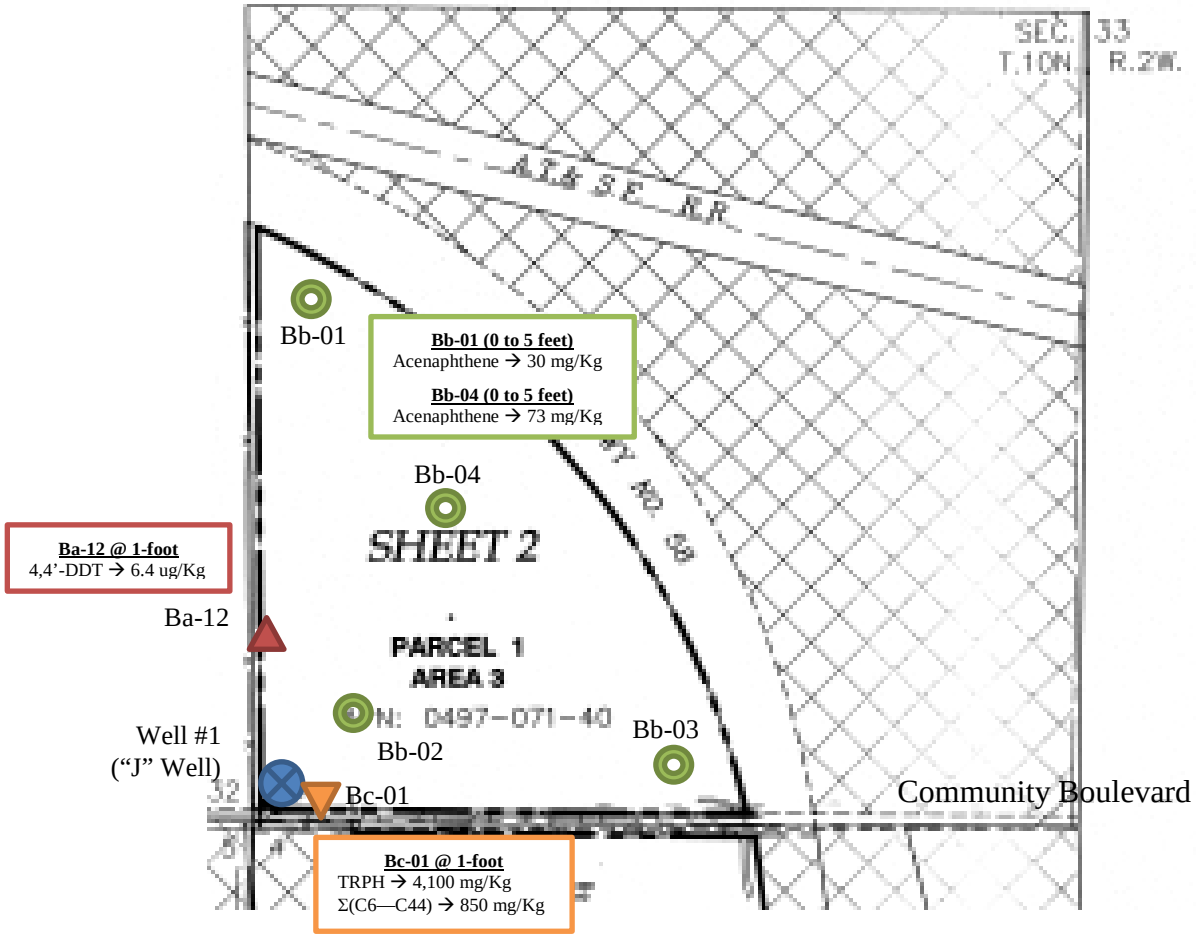
GCE 1230 NORTH JEFFERSON STREET, SUITE J, ANAHEIM, CALIFORNIA 92807 (714) 632-9969	CLIENT: ENVIRONMENTAL INTELLIGENCE, LLC	PROJECT NUMBER: 1433-3-5	FIGURE 1—VICINITY MAP
	PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Figure 2: Soil and Ground Water Sampling Maps



GCE 1230 NORTH JEFFERSON STREET, SUITE J, ANAHEIM, CALIFORNIA 92807 (714) 632-9969	CLIENT: ENVIRONMENTAL INTELLIGENCE, LLC	PROJECT NUMBER: 1443-3-5	FIGURE 2—SOIL AND GROUND WATER SAMPLING MAPS
	PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Figure 2A: Soil and Ground Water Sampling Map: North

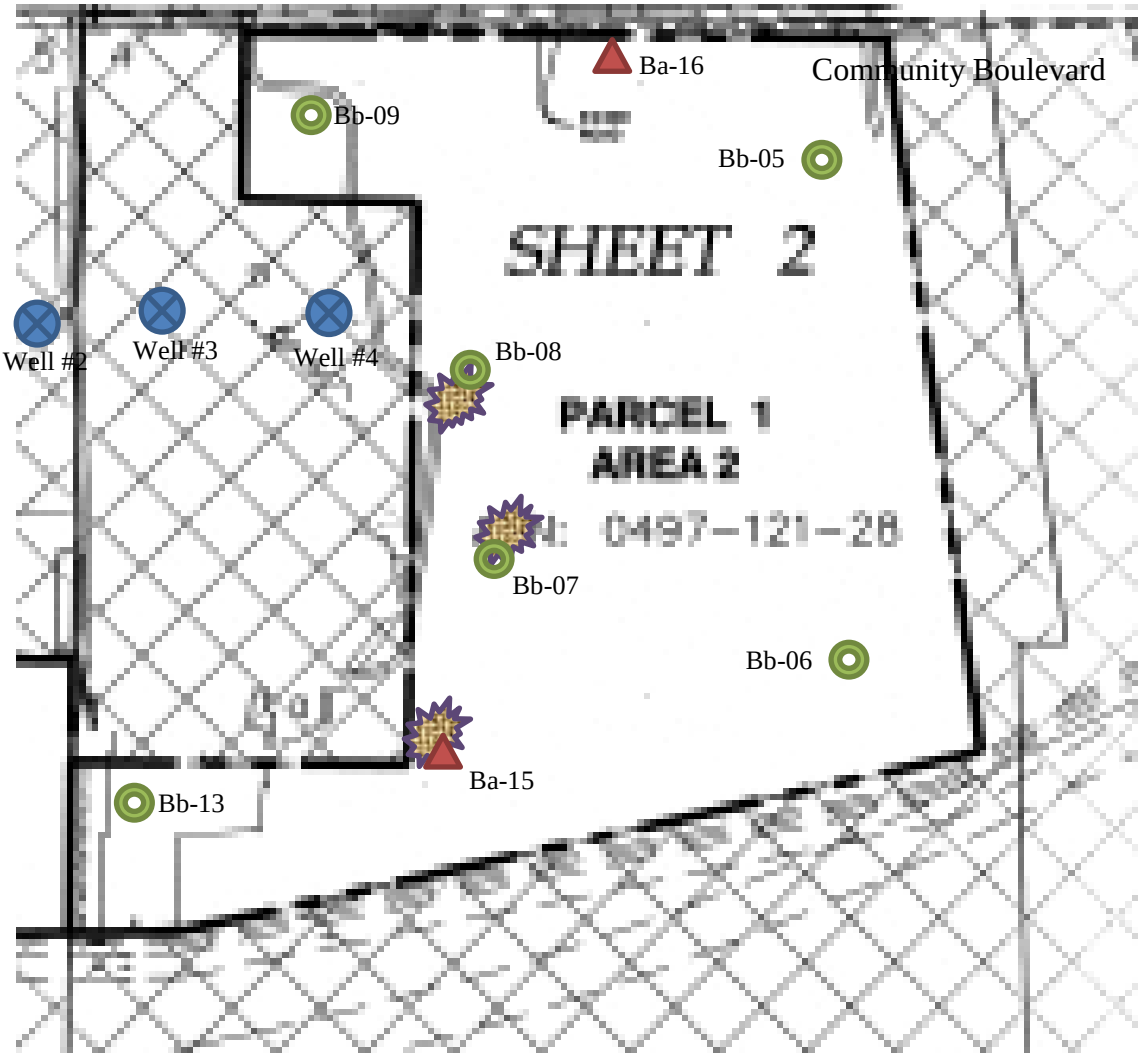


EXPLANATION:

- Sampled Groundwater Well
- Ba-Series Soil Sample
- Bb-Series Soil Sample
- Bc-Series Soil Sample

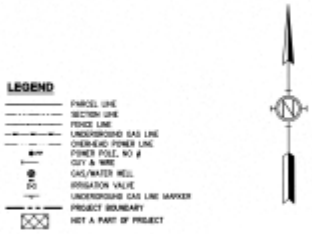
GCE 1230 NORTH JEFFERSON STREET, SUITE J, ANAHEIM, CALIFORNIA 92807 (714) 632-9969	CLIENT: ENVIRONMENTAL INTELLIGENCE, INC.	PROJECT NUMBER: 1443-3-5	FIGURE 2A—SOIL AND GROUND WATER SAMPLING MAP: NORTH
	PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Figure 2B: Soil and Ground Water Sampling Map: East



EXPLANATION

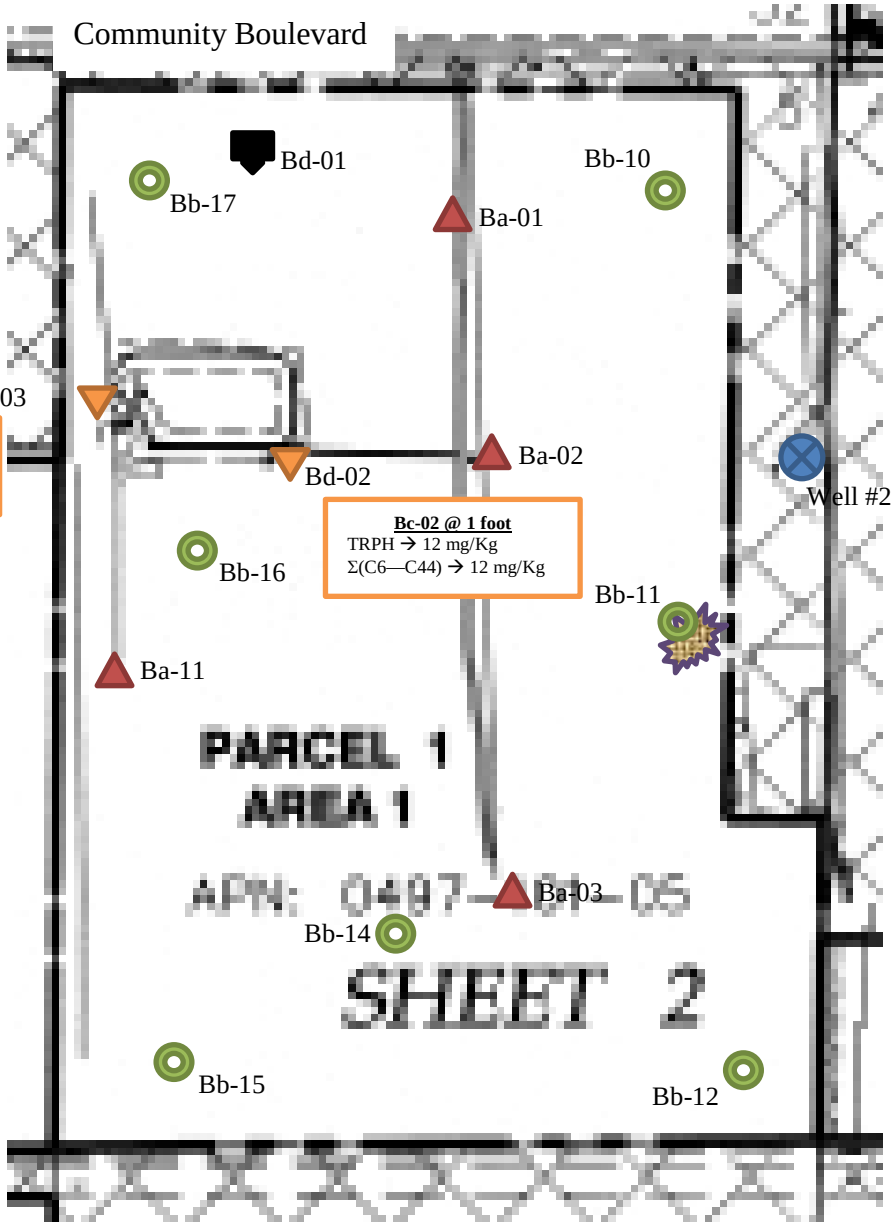
- Sampled Groundwater Well
- Ba-Series Soil Sample
- Bb-Series Soil Sample
- Subsurface Anomaly (Geophysical Survey)



1230 NORTH JEFFERSON STREET,
SUITE J,
ANAHEIM, CALIFORNIA 92807
(714) 632-9969

CLIENT:	PROJECT NUMBER:	FIGURE 2B— SOIL AND GROUND WATER SAMPLING MAP: EAST
ENVIRONMENTAL INTELLIGENCE, LLC	1443-3-5	
PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Figure 2C: Soil and Ground Water Sampling Map: Central

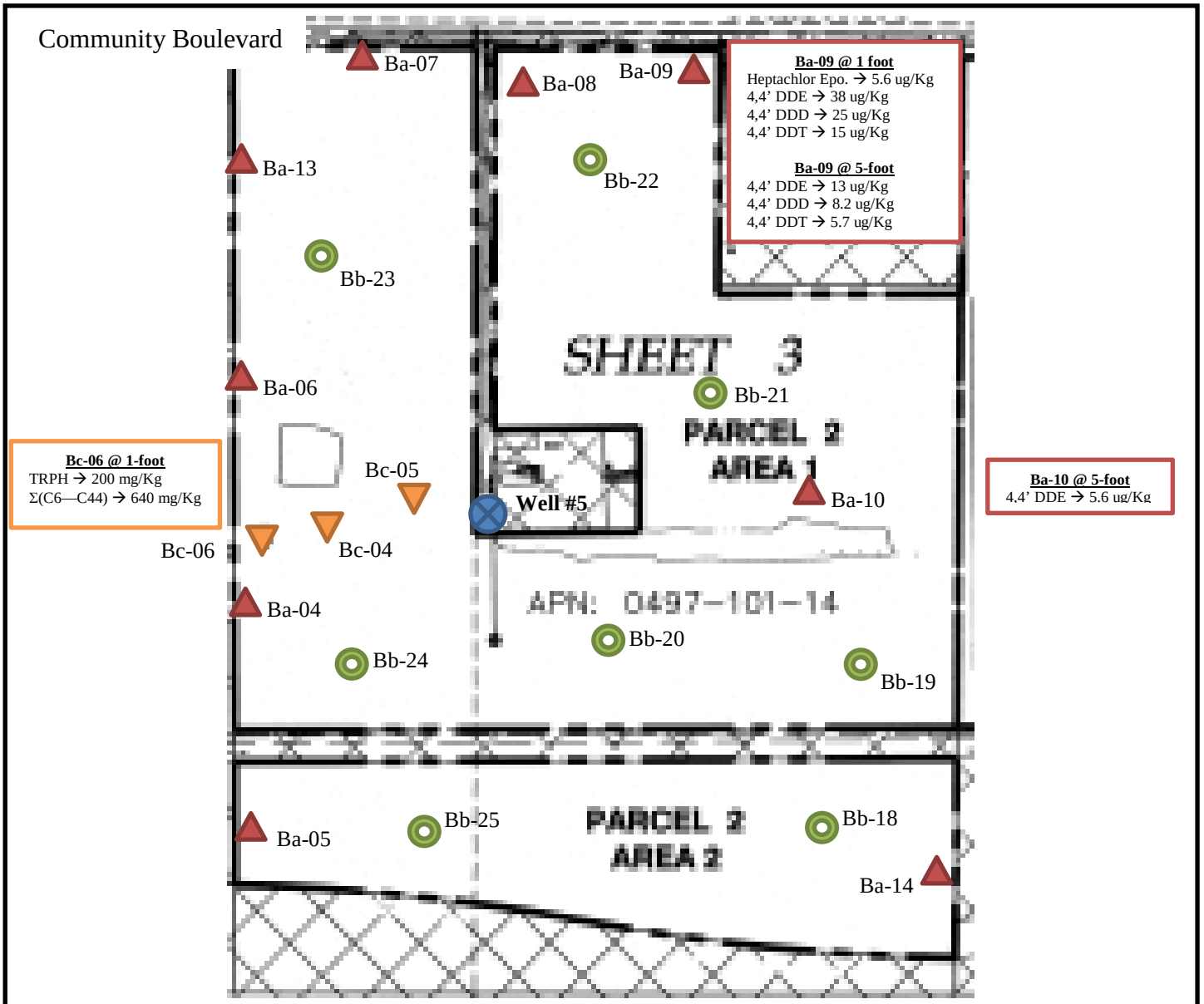


EXPLANATION:

- Sampled Groundwater Well
- Bb-Series Soil Sample
- Bd-Series Groundwater Sample
- Ba-Series Soil Sample
- Bc-Series Soil Sample
- Subsurface Anomaly (Geophysical Survey)

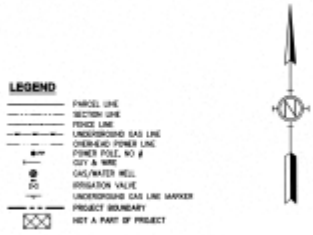
GCE 1230 NORTH JEFFERSON STREET, SUITE J, ANAHEIM, CALIFORNIA 92807 (714) 632-9969	CLIENT: ENVIRONMENTAL INTELLIGENCE, LLC	PROJECT NUMBER: 1443-3-5	FIGURE 2C—SOIL AND GROUND WATER SAMPLING MAP: CENTRAL
	PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Figure 2D: Soil and Ground Water Sampling Map: West



EXPLANATION

- Sampled Groundwater Well
- Ba-Series Soil Sample
- Bb-Series Soil Sample
- Bc-Series Soil Sample



GCE 1230 NORTH JEFFERSON STREET, SUITE J, ANAHEIM, CALIFORNIA 92807 (714) 632-9969	CLIENT: ENVIRONMENTAL INTELLIGENCE, LLC	PROJECT NUMBER: 1443-3-5	FIGURE 2D—SOIL AND GROUND WATER SAMPLING MAP: WEST
	PROJECT LOCATION: LONGBOAT SOLAR PROJECT SAN BERNARDINO COUNTY, CALIFORNIA	DATE: 1/28/15	

Attachments

Attachment 1: Soil Sampling Results: Ba-Series

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-01-01 10-12-14 14:00	Ba-01-05 10-12-14 14:15	Ba-02-01 10-12-14 14:45	Ba-02-05 10-12-14 15:15	Ba-03-01 10-12-14 13:00
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-01-01 10-12-14 14:00	Ba-01-05 10-12-14 14:15	Ba-02-01 10-12-14 14:45	Ba-02-05 10-12-14 15:15	Ba-03-01 10-12-14 13:00
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-03-05 10-12-14 13:15	Ba-04-01 11-12-14 08:30	Ba-04-05 11-12-14 08:45	Ba-05-01 11-12-14 09:05	Ba-05-05 11-12-14 09:20
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (51)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-03-05 10-12-14 13:15	Ba-04-01 11-12-14 08:30	Ba-04-05 11-12-14 08:45	Ba-05-01 11-12-14 09:05	Ba-05-05 11-12-14 09:20
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-06-01 11-12-14 09:50	Ba-06-05 11-12-14 10:05	Ba-07-01 11-12-14 10:15	Ba-07-05 11-12-14 10:30	Ba-08-01 11-12-14 10:45
							PESTICIDES AND HERBICIDES
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-06-01 11-12-14 09:50	Ba-06-05 11-12-14 10:05	Ba-07-01 11-12-14 10:15	Ba-07-05 11-12-14 10:30	Ba-08-01 11-12-14 10:45
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-08-05 11-12-14 11:00	Ba-09-01 11-12-14 11:10	Ba-09-05 11-12-14 11:20	Ba-10-01 11-12-14 11:35	Ba-10-05 11-12-14 11:50
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	**5.6**	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	**38**	**13**	ND (5.0)	**5.6**
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	**25**	**8.2**	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	**15**	**5.7**	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-08-05 11-12-14 11:00	Ba-09-01 11-12-14 11:10	Ba-09-05 11-12-14 11:20	Ba-10-01 11-12-14 11:35	Ba-10-05 11-12-14 11:50
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-11-01 11-12-14 12:05	Ba-11-05 11-12-14 12:20	Ba-12-01 11-12-14 12:30	Ba-12-05 11-12-14 12:40	Ba-13-01 07-01-15 13:35
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	**6.4**	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-11-01 11-12-14 12:05	Ba-11-05 11-12-14 12:20	Ba-12-01 11-12-14 12:30	Ba-12-05 11-12-14 12:40	Ba-13-01 07-01-15 13:35
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-13-05 07-01-15 13:45	Ba-14-01 07-01-15 15:05	Ba-14-05 07-01-15 15:15	Ba-15-01 07-01-15 15:35	Ba-15-05 07-01-15 15:45
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-13-05 07-01-15 13:45	Ba-14-01 07-01-15 15:05	Ba-14-05 07-01-15 15:15	Ba-15-01 07-01-15 15:35	Ba-15-05 07-01-15 15:45
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-16-01 07-01-15 15:55	Ba-16-05 07-01-15 16:10
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 1 - SOIL SAMPLE RESULTS: Ba-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; January 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Ba-16-01 07-01-15 15:55	Ba-16-05 07-01-15 16:10
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)

Attachment 2: Soil Sampling Results: Bb-Series

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-01 (0-5') 15-12-14 07:55	Bb-02 (0-5') 15-12-14 07:55	Bb-03 (0-5') 15-12-14 08:10
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.51)	ND (0.52)	ND (0.53)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	**30**	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-01 (0-5') 15-12-14 07:55	Bb-02 (0-5') 15-12-14 07:55	Bb-03 (0-5') 15-12-14 08:10
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (130)
Benzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (10)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-01 (0-5') 15-12-14 07:55	Bb-02 (0-5') 15-12-14 07:55	Bb-03 (0-5') 15-12-14 08:10
p-Isopropyltoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Naphthalene	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Styrene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Toluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-01 (0-5') 15-12-14 07:55	Bb-02 (0-5') 15-12-14 07:55	Bb-03 (0-5') 15-12-14 08:10
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (49)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (98)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (4.9)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-04 (0-5') 15-12-14 08:15	Bb-05 (0-5') 15-12-14 08:55	Bb-06 (0-5') 15-12-14 08:30
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (4.9)	ND (0.51)	ND (0.51)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	**73**	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-04 (0-5') 15-12-14 08:15	Bb-05 (0-5') 15-12-14 08:55	Bb-06 (0-5') 15-12-14 08:30
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (130)
Benzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (25)	ND (26)	ND (25)
2-Butanone	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (25)	ND (26)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (10)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-04 (0-5') 15-12-14 08:15	Bb-05 (0-5') 15-12-14 08:55	Bb-06 (0-5') 15-12-14 08:30
p-Isopropyltoluene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
Naphthalene	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Styrene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Toluene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (51)	ND (52)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.1)	ND (5.2)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-04 (0-5') 15-12-14 08:15	Bb-05 (0-5') 15-12-14 08:55	Bb-06 (0-5') 15-12-14 08:30
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (3.9)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-07 (0-5') 15-12-14 09:10	Bb-08 (0-5') 15-12-14 09:20	Bb-09 (0-5') 15-12-14 09:30
					TOTAL PETROLE
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.52)	ND (4.8)	ND (5.0)

					SEMI-VOLAT
Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-07 (0-5') 15-12-14 09:10	Bb-08 (0-5') 15-12-14 09:20	Bb-09 (0-5') 15-12-14 09:30
					VOLATIL
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (120)
Benzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Bromobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Bromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Bromodichloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Bromoform	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Bromomethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
n-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
sec-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
tert-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Carbon Disulfide	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Chlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Chloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Chloroform	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Chloromethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
4-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Dibromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (10)	ND (9.9)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Dibromomethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Ethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
2-Hexanone	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
Isopropylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-07 (0-5') 15-12-14 09:10	Bb-08 (0-5') 15-12-14 09:20	Bb-09 (0-5') 15-12-14 09:30
p-Isopropyltoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Methylene Chloride	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
Naphthalene	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
n-Propylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Styrene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Tetrachloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Toluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (10)	ND (9.9)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
Trichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Trichlorofluoromethane	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Vinyl Acetate	8260B	ug/Kg	ND (51)	ND (51)	ND (50)
Vinyl Chloride	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
p/m-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
o-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Xylenes (total)	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (5.0)

					PE
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-07 (0-5') 15-12-14 09:10	Bb-08 (0-5') 15-12-14 09:20	Bb-09 (0-5') 15-12-14 09:30
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (51)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.1)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-10 (0-5') 15-12-14 09:45	Bb-11 (0-5') 15-12-14 09:55	Bb-12 (0-5') 15-12-14 10:25
			JM HYDROCARBON (TPH) COMPOUNDS		
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (4.9)	ND (4.9)	ND (0.52)

			ILE ORGANIC COMPOUNDS (SVOCs)		
Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-10 (0-5') 15-12-14 09:45	Bb-11 (0-5') 15-12-14 09:55	Bb-12 (0-5') 15-12-14 10:25
			E ORGANIC COMPOUNDS (VOCs)		
Acetone	8260B	ug/Kg	ND (120)	ND (120)	ND (120)
Benzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Bromobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Bromochloromethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Bromodichloromethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Bromoform	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Bromomethane	8260B	ug/Kg	ND (25)	ND (24)	ND (25)
2-Butanone	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
n-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
sec-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
tert-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Carbon Disulfide	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Chlorobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Chloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Chloroform	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Chloromethane	8260B	ug/Kg	ND (25)	ND (24)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
4-Chlorotoluene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Dibromochloromethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (9.9)	ND (9.8)	ND (9.9)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Dibromomethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Ethylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
2-Hexanone	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
Isopropylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-10 (0-5') 15-12-14 09:45	Bb-11 (0-5') 15-12-14 09:55	Bb-12 (0-5') 15-12-14 10:25
p-Isopropyltoluene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Methylene Chloride	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
Naphthalene	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
n-Propylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Styrene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Tetrachloroethene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Toluene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (9.9)	ND (9.8)	ND (9.9)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
Trichloroethene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Trichlorofluoromethane	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Vinyl Acetate	8260B	ug/Kg	ND (50)	ND (49)	ND (50)
Vinyl Chloride	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
p/m-Xylene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
o-Xylene	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Xylenes (total)	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.0)	ND (4.9)	ND (5.0)

			STICIDES AND HERBICIDES		
Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-10 (0-5') 15-12-14 09:45	Bb-11 (0-5') 15-12-14 09:55	Bb-12 (0-5') 15-12-14 10:25
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-13 (0-5') 15-12-14 10:10	Bb-14 (0-5') 15-12-14 10:23	Bb-15 (0-5') 15-12-14 10:18
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (5.0)	ND (0.51)	ND (0.51)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-13 (0-5') 15-12-14 10:10	Bb-14 (0-5') 15-12-14 10:23	Bb-15 (0-5') 15-12-14 10:18
Acetone	8260B	ug/Kg	ND (130)	ND (120)	ND (130)
Benzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (26)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (26)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (9.9)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-13 (0-5') 15-12-14 10:10	Bb-14 (0-5') 15-12-14 10:23	Bb-15 (0-5') 15-12-14 10:18
p-Isopropyltoluene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
Naphthalene	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Styrene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Toluene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (9.9)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (52)	ND (50)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.2)	ND (5.0)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-13 (0-5') 15-12-14 10:10	Bb-14 (0-5') 15-12-14 10:23	Bb-15 (0-5') 15-12-14 10:18
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (51)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.1)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-16 (0-5') 15-12-14 10:08	Bb-17 (0-5') 15-12-14 09:45	Bb-18 (0-5') 15-12-14 09:40
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (4.9)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (5.0)	ND (0.53)	ND (5.0)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-16 (0-5') 15-12-14 10:08	Bb-17 (0-5') 15-12-14 09:45	Bb-18 (0-5') 15-12-14 09:40
Acetone	8260B	ug/Kg	ND (130)	ND (120)	ND (130)
Benzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (25)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (9.9)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-16 (0-5') 15-12-14 10:08	Bb-17 (0-5') 15-12-14 09:45	Bb-18 (0-5') 15-12-14 09:40
p-Isopropyltoluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Naphthalene	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Styrene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Toluene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (9.9)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (51)	ND (50)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.1)	ND (5.0)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-16 (0-5') 15-12-14 10:08	Bb-17 (0-5') 15-12-14 09:45	Bb-18 (0-5') 15-12-14 09:40
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (51)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.1)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (4.0)	ND (3.9)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.50)	ND (0.49)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-19 (0-5') 15-12-14 09:30	Bb-20 (0-5') 15-12-14 09:21	Bb-21 (0-5') 15-12-14 09:12
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.51)	ND (0.52)	ND (4.8)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-19 (0-5') 15-12-14 09:30	Bb-20 (0-5') 15-12-14 09:21	Bb-21 (0-5') 15-12-14 09:12
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (130)
Benzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (26)	ND (26)	ND (25)
2-Butanone	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (26)	ND (26)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (11)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-19 (0-5') 15-12-14 09:30	Bb-20 (0-5') 15-12-14 09:21	Bb-21 (0-5') 15-12-14 09:12
p-Isopropyltoluene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
Naphthalene	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Styrene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Toluene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (11)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (52)	ND (53)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.2)	ND (5.3)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-19 (0-5') 15-12-14 09:30	Bb-20 (0-5') 15-12-14 09:21	Bb-21 (0-5') 15-12-14 09:12
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (3.9)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-22 (0-5') 15-12-14 09:05	Bb-23 (0-5') 15-12-14 08:50	Bb-24 (0-5') 15-12-14 08:35
TRPH	418.1 M	mg/Kg	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (4.9)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (5.0)	ND (4.9)	ND (0.51)

Naphthalene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)	ND (30)	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)	ND (15)	ND (15)
Fluorene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Chrysene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)	ND (10)	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-22 (0-5') 15-12-14 09:05	Bb-23 (0-5') 15-12-14 08:50	Bb-24 (0-5') 15-12-14 08:35
Acetone	8260B	ug/Kg	ND (120)	ND (120)	ND (130)
Benzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Bromobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Bromochloromethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Bromodichloromethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Bromoform	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Bromomethane	8260B	ug/Kg	ND (24)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
n-Butylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
sec-Butylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
tert-Butylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Carbon Disulfide	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
Carbon Tetrachloride	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Chlorobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Chloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Chloroform	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Chloromethane	8260B	ug/Kg	ND (24)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
4-Chlorotoluene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Dibromochloromethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (9.8)	ND (9.9)	ND (10)
1,2-Dibromoethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Dibromomethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Dichlorodifluoromethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1-Dichloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2-Dichloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1-Dichloroethene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2-Dichloropropane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,3-Dichloropropane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
2,2-Dichloropropane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1-Dichloropropene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Ethylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
2-Hexanone	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
Isopropylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-22 (0-5') 15-12-14 09:05	Bb-23 (0-5') 15-12-14 08:50	Bb-24 (0-5') 15-12-14 08:35
p-Isopropyltoluene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Methylene Chloride	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
Naphthalene	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
n-Propylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Styrene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Tetrachloroethene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Toluene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (9.8)	ND (9.9)	ND (10)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
Trichloroethene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Trichlorofluoromethane	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Vinyl Acetate	8260B	ug/Kg	ND (49)	ND (50)	ND (51)
Vinyl Chloride	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
p/m-Xylene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
o-Xylene	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Xylenes (total)	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (4.9)	ND (5.0)	ND (5.1)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-22 (0-5') 15-12-14 09:05	Bb-23 (0-5') 15-12-14 08:50	Bb-24 (0-5') 15-12-14 08:35
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)	ND (50)	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)	ND (100)	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)	ND (5.0)	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)	ND (3.9)	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)	ND (2.0)	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)	ND (0.49)	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)	ND (250)	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)	ND (10000)	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)	ND (10)	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)	ND (100)	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)	ND (50)	ND (50)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-25 (0-5') 15-12-14 08:30
TRPH	418.1 M	mg/Kg	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.52)

Naphthalene	8310C	ug/Kg	ND (15)
Acenaphthylene	8310C	ug/Kg	ND (30)
Acenaphthene	8310C	ug/Kg	ND (15)
Fluorene	8310C	ug/Kg	ND (10)
Phenanthrene	8310C	ug/Kg	ND (10)
Anthracene	8310C	ug/Kg	ND (10)
Fluoranthene	8310C	ug/Kg	ND (10)
Pyrene	8310C	ug/Kg	ND (10)
Benzo (a) Anthracene	8310C	ug/Kg	ND (10)
Chrysene	8310C	ug/Kg	ND (10)
Benzo (b) Fluoranthene	8310C	ug/Kg	ND (10)
Benzo (k) Fluoranthene	8310C	ug/Kg	ND (10)
Benzo (a) Pyrene	8310C	ug/Kg	ND (10)
Dibenz (a,h) Anthracene	8310C	ug/Kg	ND (10)
Benzo (g,h,i) Perylene	8310C	ug/Kg	ND (10)
Indeno (1,2,3-c,d) Pyrene	8310C	ug/Kg	ND (10)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-25 (0-5') 15-12-14 08:30
Acetone	8260B	ug/Kg	ND (120)
Benzene	8260B	ug/Kg	ND (5.0)
Bromobenzene	8260B	ug/Kg	ND (5.0)
Bromochloromethane	8260B	ug/Kg	ND (5.0)
Bromodichloromethane	8260B	ug/Kg	ND (5.0)
Bromoform	8260B	ug/Kg	ND (5.0)
Bromomethane	8260B	ug/Kg	ND (25)
2-Butanone	8260B	ug/Kg	ND (50)
n-Butylbenzene	8260B	ug/Kg	ND (5.0)
sec-Butylbenzene	8260B	ug/Kg	ND (5.0)
tert-Butylbenzene	8260B	ug/Kg	ND (5.0)
Carbon Disulfide	8260B	ug/Kg	ND (50)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.0)
Chlorobenzene	8260B	ug/Kg	ND (5.0)
Chloroethane	8260B	ug/Kg	ND (5.0)
Chloroform	8260B	ug/Kg	ND (5.0)
Chloromethane	8260B	ug/Kg	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.0)
4-Chlorotoluene	8260B	ug/Kg	ND (5.0)
Dibromochloromethane	8260B	ug/Kg	ND (5.0)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (9.9)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.0)
Dibromomethane	8260B	ug/Kg	ND (5.0)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.0)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.0)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.0)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.0)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.0)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.0)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.0)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.0)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.0)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.0)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.0)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)
Ethylbenzene	8260B	ug/Kg	ND (5.0)
2-Hexanone	8260B	ug/Kg	ND (50)
Isopropylbenzene	8260B	ug/Kg	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-25 (0-5') 15-12-14 08:30
p-Isopropyltoluene	8260B	ug/Kg	ND (5.0)
Methylene Chloride	8260B	ug/Kg	ND (50)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (50)
Naphthalene	8260B	ug/Kg	ND (50)
n-Propylbenzene	8260B	ug/Kg	ND (5.0)
Styrene	8260B	ug/Kg	ND (5.0)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)
Tetrachloroethene	8260B	ug/Kg	ND (5.0)
Toluene	8260B	ug/Kg	ND (5.0)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (9.9)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.0)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.0)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.0)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (50)
Trichloroethene	8260B	ug/Kg	ND (5.0)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.0)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.0)
Trichlorofluoromethane	8260B	ug/Kg	ND (50)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.0)
Vinyl Acetate	8260B	ug/Kg	ND (50)
Vinyl Chloride	8260B	ug/Kg	ND (5.0)
p/m-Xylene	8260B	ug/Kg	ND (5.0)
o-Xylene	8260B	ug/Kg	ND (5.0)
Xylenes (total)	8260B	ug/Kg	ND (5.0)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.0)

Alpha-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Gamma-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Beta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Heptachlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Delta-BHC	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Aldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Heptachlor Epoxide	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Endosulfan I	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Dieldrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
4,4'-DDE	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Endrin	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Endrin Aldehyde	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
4,4'-DDD	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Endosulfan II	8081A (O-Cl Pest)	ug/Kg	ND (5.0)

ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 2 - SOIL SAMPLE RESULTS: Bb-SERIES
LONGBOAT SOLAR PROJECT, SAN BERNARDINO COUNTY, CA
Project Number 1443-3-5; JANUARY 2015

08:15:00	METHOD NUMBER	UNIT MEASURED	Bb-25 (0-5') 15-12-14 08:30
4,4'-DDT	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Endosulfan Sulfate	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Methoxychlor	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Chlordane	8081A (O-Cl Pest)	ug/Kg	ND (50)
Toxaphene	8081A (O-Cl Pest)	ug/Kg	ND (100)
Endrin Ketone	8081A (O-Cl Pest)	ug/Kg	ND (5.0)
Azinphos Methyl	8041A (O-P Pest)	ug/Kg	ND (0.50)
Bolstar	8041A (O-P Pest)	ug/Kg	ND (0.50)
Chlorpyrifos	8041A (O-P Pest)	ug/Kg	ND (0.50)
Coumaphos	8041A (O-P Pest)	ug/Kg	ND (0.50)
Diazinon	8041A (O-P Pest)	ug/Kg	ND (0.50)
Dichlorvos	8041A (O-P Pest)	ug/Kg	ND (0.50)
Disulfoton	8041A (O-P Pest)	ug/Kg	ND (0.50)
Ethoprop	8041A (O-P Pest)	ug/Kg	ND (0.50)
Fensulfothion	8041A (O-P Pest)	ug/Kg	ND (0.50)
Fenthion	8041A (O-P Pest)	ug/Kg	ND (0.50)
Merphos	8041A (O-P Pest)	ug/Kg	ND (0.50)
Methyl Parathion	8041A (O-P Pest)	ug/Kg	ND (0.50)
Mevinphos	8041A (O-P Pest)	ug/Kg	ND (0.50)
Naled	8041A (O-P Pest)	ug/Kg	ND (4.0)
Phorate	8041A (O-P Pest)	ug/Kg	ND (0.50)
Ronnel	8041A (O-P Pest)	ug/Kg	ND (0.50)
Stirophos	8041A (O-P Pest)	ug/Kg	ND (2.0)
Tokuthion	8041A (O-P Pest)	ug/Kg	ND (0.50)
Trichloronate	8041A (O-P Pest)	ug/Kg	ND (0.50)
Demeton-o/s	8041A (O-P Pest)	ug/Kg	ND (0.50)
Dalapon	8151A (Herbicides)	ug/Kg	ND (250)
Dicamba	8151A (Herbicides)	ug/Kg	ND (10)
MCPP	8151A (Herbicides)	ug/Kg	ND (10000)
MCPA	8151A (Herbicides)	ug/Kg	ND (10000)
Dichlorprop	8151A (Herbicides)	ug/Kg	ND (100)
2,4-D	8151A (Herbicides)	ug/Kg	ND (100)
2,4,5-TP (Silvex)	8151A (Herbicides)	ug/Kg	ND (10)
2,4,5-T	8151A (Herbicides)	ug/Kg	ND (10)
2,4-DB	8151A (Herbicides)	ug/Kg	ND (100)
Dinoseb	8151A (Herbicides)	ug/Kg	ND (50)

Attachment 3: Soil Sampling Results: Bc-Series

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-01-01 15-12-14 13:03	Bc-01-05 15-12-14 13:03	Bc-02-01 15-12-14 14:15	Bc-02-05 15-12-14 14:15	Bc-03-01 15-12-14 15:00	Bc-03-05 15-12-14 15:00	Bc-04-01 07-01-15 14:20	Bc-04-05 07-01-15 14:30	Bc-05-01 07-01-15 14:05
TOTAL PETROLEUM HYDROCARBON COMPOUNDS (TPH)											
TRPH	418.1 M	mg/Kg	**4100**	ND (10)	**12**	ND (10)	**38**	ND (10)	ND (10)	ND (10)	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	**7.3**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	**12**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C21-C22	8015B (M)	mg/Kg	**28**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C23-C24	8015B (M)	mg/Kg	**55**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C25-C28	8015B (M)	mg/Kg	**120**	ND (5.0)	ND (5.0)	ND (5.0)	**11**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C29-C32	8015B (M)	mg/Kg	**210**	ND (5.0)	ND (5.0)	ND (5.0)	**19**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C33-C36	8015B (M)	mg/Kg	**170**	ND (5.0)	**8.0**	ND (5.0)	**22**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C37-C40	8015B (M)	mg/Kg	**140**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C41-C44	8015B (M)	mg/Kg	**96**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	**850**	ND (5.0)	**12**	ND (5.0)	**59**	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.51)	ND (0.49)	ND (0.51)	ND (0.51)	ND (0.52)	ND (0.50)	ND (0.53)	ND (0.49)	ND (0.48)

VOLATILE ORGANIC COMPOUNDS (VOCs)											
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (130)	ND (120)	ND (130)	ND (120)	ND (130)	ND (130)	ND (120)
Benzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Bromobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Bromochloromethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Bromodichloromethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Bromoform	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Bromomethane	8260B	ug/Kg	ND (25)	ND (25)	ND (26)	ND (24)	ND (25)	ND (24)	ND (25)	ND (25)	ND (25)
2-Butanone	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
n-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-01-01 15-12-14 13:03	Bc-01-05 15-12-14 13:03	Bc-02-01 15-12-14 14:15	Bc-02-05 15-12-14 14:15	Bc-03-01 15-12-14 15:00	Bc-03-05 15-12-14 15:00	Bc-04-01 07-01-15 14:20	Bc-04-05 07-01-15 14:30	Bc-05-01 07-01-15 14:05
sec-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
tert-Butylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Carbon Disulfide	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Chlorobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Chloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Chloroform	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Chloromethane	8260B	ug/Kg	ND (25)	ND (25)	ND (26)	ND (24)	ND (25)	ND (24)	ND (25)	ND (25)	ND (25)
2-Chlorotoluene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
4-Chlorotoluene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Dibromochloromethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (10)	ND (10)	ND (9.8)	ND (10)	ND (9.8)	ND (10)	ND (10)	ND (9.9)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Dibromomethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Ethylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
2-Hexanone	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
Isopropylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
p-Isopropyltoluene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-01-01 15-12-14 13:03	Bc-01-05 15-12-14 13:03	Bc-02-01 15-12-14 14:15	Bc-02-05 15-12-14 14:15	Bc-03-01 15-12-14 15:00	Bc-03-05 15-12-14 15:00	Bc-04-01 07-01-15 14:20	Bc-04-05 07-01-15 14:30	Bc-05-01 07-01-15 14:05
Methylene Chloride	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
Naphthalene	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
n-Propylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Styrene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Tetrachloroethene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Toluene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (10)	ND (10)	ND (9.8)	ND (10)	ND (9.8)	ND (10)	ND (10)	ND (9.9)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (50)	ND (50)	ND (50)	ND (49)	ND (50)	ND (49)	ND (51)	ND (50)	ND (50)
Trichloroethene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Trichlorofluoromethane	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Vinyl Acetate	8260B	ug/Kg	ND (50)	ND (51)	ND (52)	ND (49)	ND (51)	ND (49)	ND (51)	ND (50)	ND (50)
Vinyl Chloride	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
p/m-Xylene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
o-Xylene	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Xylenes (total)	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.0)	ND (5.1)	ND (5.2)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.0)	ND (5.0)

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-05-05 07-01-15 14:10	Bc-06-01 15-12-14 15:30	Bc-06-05 15-12-14 15:30
TRPH	418.1 M	mg/Kg	ND (10)	**200**	ND (10)
C6	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C7	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C8	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C9-C10	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C11-C12	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C13-C14	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C15-C16	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C17-C18	8015B (M)	mg/Kg	ND (5.0)	ND (5.0)	ND (5.0)
C19-C20	8015B (M)	mg/Kg	ND (5.0)	**9.2**	ND (5.0)
C21-C22	8015B (M)	mg/Kg	ND (5.0)	**17**	ND (5.0)
C23-C24	8015B (M)	mg/Kg	ND (5.0)	**36**	ND (5.0)
C25-C28	8015B (M)	mg/Kg	ND (5.0)	**91**	ND (5.0)
C29-C32	8015B (M)	mg/Kg	ND (5.0)	**170**	ND (5.0)
C33-C36	8015B (M)	mg/Kg	ND (5.0)	**150**	ND (5.0)
C37-C40	8015B (M)	mg/Kg	ND (5.0)	**97**	ND (5.0)
C41-C44	8015B (M)	mg/Kg	ND (5.0)	**51**	ND (5.0)
C6-C44 Total	8015B (M)	mg/Kg	ND (5.0)	**640**	ND (5.0)
TPH as Gasoline	8015B (M)	mg/Kg	ND (0.49)	ND (0.52)	ND (0.52)
Acetone	8260B	ug/Kg	ND (130)	ND (130)	ND (120)
Benzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Bromobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Bromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Bromodichloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Bromoform	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Bromomethane	8260B	ug/Kg	ND (26)	ND (25)	ND (24)
2-Butanone	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
n-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-05-05 07-01-15 14:10	Bc-06-01 15-12-14 15:30	Bc-06-05 15-12-14 15:30
sec-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
tert-Butylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Carbon Disulfide	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
Carbon Tetrachloride	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Chlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Chloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Chloroform	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Chloromethane	8260B	ug/Kg	ND (26)	ND (25)	ND (24)
2-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
4-Chlorotoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Dibromochloromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2-Dibromo-3-Chloropropane	8260B	ug/Kg	ND (10)	ND (10)	ND (9.8)
1,2-Dibromoethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Dibromomethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,3-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,4-Dichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Dichlorodifluoromethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2-Dichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
c-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
t-1,2-Dichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,3-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
2,2-Dichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
c-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
t-1,3-Dichloropropene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Ethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
2-Hexanone	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
Isopropylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
p-Isopropyltoluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)

Notes:
ND - Not detected
mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram

ATTACHMENT 3 - SOIL SAMPLE RESULTS: Bc-SERIES
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Bc-05-05 07-01-15 14:10	Bc-06-01 15-12-14 15:30	Bc-06-05 15-12-14 15:30
Methylene Chloride	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
4-Methyl-2-Pentanone	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
Naphthalene	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
n-Propylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Styrene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1,1,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1,2,2-Tetrachloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Tetrachloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Toluene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2,3-Trichlorobenzene	8260B	ug/Kg	ND (10)	ND (10)	ND (9.8)
1,2,4-Trichlorobenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1,1-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1,2-Trichloroethane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/Kg	ND (50)	ND (50)	ND (49)
Trichloroethene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2,3-Trichloropropane	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
1,2,4-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Trichlorofluoromethane	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
1,3,5-Trimethylbenzene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Vinyl Acetate	8260B	ug/Kg	ND (51)	ND (51)	ND (49)
Vinyl Chloride	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
p/m-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
o-Xylene	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Xylenes (total)	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/Kg	ND (5.1)	ND (5.1)	ND (4.9)

Attachment 4: Soil Sampling Results: Bd-Series and Existing Domestic Wells

Notes:
ND - Not detected
mg/L - milligrams per liter
ug/L - micrograms per liter

ATTACHMENT 4 - SAMPLE RESULTS
Bd-SERIES AND EXISTING DOMESTIC WELLS
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Well #1 (J) 08-01-15 10:10	Well #2 08-01-15 10:40	Well #3 08-01-15 10:55	Well #4 08-01-15 11:25	Well #5 08-01-15 09:45	Bd-01 05-01-15 12:45	Trip Blank #1 Cooler #1	Trip Blank #2 Cooler #2	Trip Blank #3 Cooler #3	Trip Blank #4 Cooler #4
GENERAL MINERALS AND PARAMETERS												
pH	SM 4500 H+ B	pH Units	7.26	7.22	7.25	7.27	7.32	7.25				
Specific Conductance (SC)	SM 2510B	umhos/cm	740	740	810	750	940	620				
Total Dissolved Solids (TDS)	SM 2540C	mg/L	540	515	570	540	675	435				
Iron (Dissolved)	6010B	mg/L	0.809	0.955	ND (0.10)	ND (0.10)	ND (0.10)	214				
Fluoride	300.0	mg/L	0.55	0.64	0.70	0.66	0.53	0.79				
Chloride	300.0	mg/L	81	80	92	84	110	65				
PERCHLORATE												
Perchlorate	314.0	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)				
TOTAL AND FECAL COLIFORM												
Total Coliform	SM 9221B	MPN/100ml	<18	<18	<18	<18	<18	<18				
Fecal Coliform	SM 9221B/E	MPN/100ml	<18	<18	<18	<18	<18	<18				
TOTAL PETROLEUM HYDROCARBON COMPOUNDS (TPH)												
TRPH	418.1	mg/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)					
C6	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C7	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C8	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C9-C10	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C11-C12	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C13-C14	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C15-C16	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C17-C18	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C19-C20	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C21-C22	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C23-C24	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C25-C28	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C29-C32	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C33-C36	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C37-C40	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C41-C44	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
C6-C44 Total	8015B	ug/L	ND (49)	ND (49)	ND (49)	ND (50)	ND (50)					
TPH as Motor Oil	8015B (M)	ug/L	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)					
TPH as Diesel	8015B (M)	ug/L	ND (49)	ND (49)	ND (49)	ND (49)	ND (50)					
TPH as Gasoline	6010	ug/L	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)					

Notes:
ND - Not detected
mg/L - milligrams per liter
ug/L - micrograms per liter

ATTACHMENT 4 - SAMPLE RESULTS
Bd-SERIES AND EXISTING DOMESTIC WELLS
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Well #1 (J) 08-01-15 10:10	Well #2 08-01-15 10:40	Well #3 08-01-15 10:55	Well #4 08-01-15 11:25	Well #5 08-01-15 09:45	Bd-01 05-01-15 12:45	Trip Blank #1 Cooler #1	Trip Blank #2 Cooler #2	Trip Blank #3 Cooler #3	Trip Blank #4 Cooler #4
VOLATILE ORGANIC COMPOUNDS (VOCs)												
		TRIP BLANK (COOLER #)	#1	#1	#1	#2	#3	#4	TB01	TB02	TB03	TB04
Acetone	8260B	ug/L	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	8260B	ug/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromochloromethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromoform	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Bromomethane	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Butanone	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
sec-Butylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
tert-Butylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Carbon Disulfide	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	8260B	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloroethane	8260B	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroform	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Chloromethane	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Chlorotoluene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
4-Chlorotoluene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromochloromethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dibromo-3-Chloropropane	8260B	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dibromoethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dibromomethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,4-Dichlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Dichlorodifluoromethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethane	8260B	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2-Dichloroethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloroethene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
c-1,2-Dichloroethene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
t-1,2-Dichloroethene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2-Dichloropropane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3-Dichloropropane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2,2-Dichloropropane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1-Dichloropropene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
c-1,3-Dichloropropene	8260B	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)

Notes:
ND - Not detected
mg/L - milligrams per liter
ug/L - micrograms per liter

ATTACHMENT 4 - SAMPLE RESULTS
Bd-SERIES AND EXISTING DOMESTIC WELLS
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Well #1 (J) 08-01-15 10:10	Well #2 08-01-15 10:40	Well #3 08-01-15 10:55	Well #4 08-01-15 11:25	Well #5 08-01-15 09:45	Bd-01 05-01-15 12:45	Trip Blank #1 Cooler #1	Trip Blank #2 Cooler #2	Trip Blank #3 Cooler #3	Trip Blank #4 Cooler #4
t-1,3-Dichloropropene	8260B	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Ethylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
2-Hexanone	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Isopropylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
p-Isopropyltoluene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methylene Chloride	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Methyl-2-Pentanone	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1,2-Tetrachloroethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2,2-Tetrachloroethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Tetrachloroethene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Toluene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,3-Trichlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,2,4-Trichlorobenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,1-Trichloroethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichloroethene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Trichlorofluoromethane	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,3-Trichloropropane	8260B	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2,4-Trimethylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
1,3,5-Trimethylbenzene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vinyl Acetate	8260B	ug/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Vinyl Chloride	8260B	ug/L	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
p/m-Xylene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
o-Xylene	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Xylenes (total)	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Methyl-t-Butyl Ether (MTBE)	8260B	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)

SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)								
Naphthalene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Acenaphthylene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Acenaphthene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Fluorene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Phenanthrene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Anthracene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Fluoranthene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)
Pyrene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)

Notes:
ND - Not detected
mg/L - milligrams per liter
ug/L - micrograms per liter

ATTACHMENT 4 - SAMPLE RESULTS
Bd-SERIES AND EXISTING DOMESTIC WELLS
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Well #1 (J) 08-01-15 10:10	Well #2 08-01-15 10:40	Well #3 08-01-15 10:55	Well #4 08-01-15 11:25	Well #5 08-01-15 09:45	Bd-01 05-01-15 12:45	Trip Blank #1 Cooler #1	Trip Blank #2 Cooler #2	Trip Blank #3 Cooler #3	Trip Blank #4 Cooler #4
Benzo (a) Anthracene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Chrysene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Benzo (b) Fluoranthene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Benzo (k) Fluoranthene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Benzo (a) Pyrene	8310C	ug/L	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.20)				
Dibenz (a,h) Anthracene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Benzo (g,h,i) Perylene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
Indeno (1,2,3-c,d) Pyrene	8310C	ug/L	ND (0.96)	ND (0.95)	ND (0.96)	ND (0.96)	ND (0.95)	ND (1.0)				
PESTICIDES AND HERBICIDES												
Alpha-BHC	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Gamma-BHC	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Beta-BHC	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Heptachlor	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Delta-BHC	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Aldrin	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Heptachlor Epoxide	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Endosulfan I	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Dieldrin	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
4,4'-DDE	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Endrin	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Endrin Aldehyde	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
4,4'-DDD	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Endosulfan II	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
4,4'-DDT	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Endosulfan Sulfate	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Methoxychlor	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Chlordane	8081A (O-Cl Pest)	ugIL	ND (0.96)	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.97)	ND (0.99)				
Toxaphene	8081A (O-Cl Pest)	ugIL	ND (1.9)	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	ND (2.0)				
Endrin Ketone	8081A (O-Cl Pest)	ugIL	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.10)	ND (0.097)	ND (0.099)				
Azinphos Methyl	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Bolstar	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Chlorpyrifos	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Coumaphos	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Diazinon	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Dichlorvos	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Disulfoton	8041A (O-P Pest)	ugIL	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0094)	ND (0.0094)	ND (0.0099)				
Ethoprop	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Fensulfothion	8041A (O-P Pest)	ugIL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				

Notes:
ND - Not detected
mg/L - milligrams per liter
ug/L - micrograms per liter

ATTACHMENT 4 - SAMPLE RESULTS
Bd-SERIES AND EXISTING DOMESTIC WELLS
LONGBOAT SOLAR PROJECT
SAN BERNARDINO COUNTY, CA
Project 1443-3-5; JANUARY 2015

COMPOUND NAME	METHOD NUMBER	UNIT MEASURED	Well #1 (J) 08-01-15 10:10	Well #2 08-01-15 10:40	Well #3 08-01-15 10:55	Well #4 08-01-15 11:25	Well #5 08-01-15 09:45	Bd-01 05-01-15 12:45	Trip Blank #1 Cooler #1	Trip Blank #2 Cooler #2	Trip Blank #3 Cooler #3	Trip Blank #4 Cooler #4
Fenthion	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Merphos	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Methyl Parathion	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Mevinphos	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Naled	8041A (O-P Pest)	uglL	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.040)				
Phorate	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Ronnel	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Stirophos	8041A (O-P Pest)	uglL	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.020)				
Tokuthion	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Trichloronate	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Demeton-o/s	8041A (O-P Pest)	uglL	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0049)	ND (0.0050)				
Dalapon	8151A (Herbicides)	uglL	ND (12)	ND (12)	ND (12)	ND (13)	ND (13)	ND (13)				
Dicamba	8151A (Herbicides)	uglL	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.50)	ND (0.49)	ND (0.50)				
MCPP	8151A (Herbicides)	uglL	ND (480)	ND (480)	ND (480)	ND (500)	ND (500)	ND (500)				
MCPA	8151A (Herbicides)	uglL	ND (480)	ND (480)	ND (480)	ND (500)	ND (500)	ND (500)				
Dichlorprop	8151A (Herbicides)	uglL	ND (4.8)	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.9)	ND (5.0)				
2,4-D	8151A (Herbicides)	uglL	ND (4.8)	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.9)	ND (5.0)				
2,4,5-TP (Silvex)	8151A (Herbicides)	uglL	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.50)	ND (0.49)	ND (0.50)				
2,4,5-T	8151A (Herbicides)	uglL	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.50)	ND (0.49)	ND (0.50)				
2,4-DB	8151A (Herbicides)	uglL	ND (4.8)	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.9)	ND (5.0)				
Dinoseb	8151A (Herbicides)	uglL	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.5)				

Appendices

Appendix A: Health and Safety Plan

SITE HEALTH AND SAFETY PLAN—Environmental Intelligence (Barstow)

Client: Environmental Intelligence, Inc.	**Project #:** 1443-3-5	**Date:** 12/05/14
Address: 1590 South Coast Highway, Suite 17 Laguna Beach, California 92651	**Job Location:** Longboat Solar Project (Proposed) 25409-25749 Community Rd, Barstow, CA 95076	

Work Objectives: Deep soil boring and groundwater grab sample; 16 hand auger borings in ditches and tree line; 6 hand auger borings at surface soil stained areas, geophysical survey and 25 direct push borings.

Key Individuals:

Primary Health & Safety: Ross Brown — Telephone No: (775) 857-9445

Site Health and Safety: Richard Frizzell — Telephone No.: (714) 632-9969 (office)
Telephone No: (714) 745-3284 (cell)

Reviewed by: Richard Frizzell **Signature:**

Chemical Hazards: (choose any or all which apply)

General:

X Possible organic vapors in soil and/or groundwater. ❑ Possible methane in soil and/or groundwater. LEL - 5 -15%

X Other: Organochlorinated & Organophosphorus Pesticides and Herbicides

Specific: (List, if known. Otherwise, state unknown): Common to landfill gas (LFG)—Primary is Methane:

Chemical Name, CAS #	OSHA Permissible Exposure Level	Health Effects
2,4,5-TP (Silvex): 93-72-1	Ingestion: LD50: 276 mg/kg	TYP: EPA 8151B: Irritant. Target Organs: Eyes, Skin, Ingestion
Diazinon: 333-41-5	0.1 mg/kg	TYP: EPA 8141B: headache, dizziness, blurred vision, nausea. Target Organs: skin, eyes, ingestion
4,4'-DDT: 50-29-3	1 mg/kg	TYP: EPA 8081B: headache, dizziness, nausea, rash, pulmonary; Target Organs: Heart, skin, inh., ing.
Chlordane: 57-74-9	0.5 mg/kg	Headache, dizziness, rash, dizziness, nausea. Target Organs: Eyes, skin, ingestion, inhalation
Heptachlor: 76-44-8	0.5 mg/kg	Headache, dizziness, rash, dizziness, nausea. Target Organs: Eyes, skin, ingestion, inhalation
Toxaphene: 8001-35-2	0.5 mg/kg	Headache, dizziness, rash, dizziness, nausea. Target Organs: Eyes, skin, ingestion, inhalation

Physical Hazards: (choose any or all which apply)

X Heavy equipment
X Slips, trips, falls
X Noise (from diesel or gasoline powered equipment)
X Flying debris; Splashes into eyes or face
X Other (specify) Dust, insect and snake bite
X Broken or damaged cable wires
❑ Overhead power lines
X Underground utility lines
❑ Heat stress
❑ Keep electrical cords away from water

SITE HEALTH AND SAFETY PLAN—Environmental Intelligence (Barstow)

Personal Protective Equipment: (choose any or all which apply)

X Hard Hat
X Steel toed shoes or boots
X Safety glasses
☐ Face shield (required where splash hazard exists)
X Gloves (specify type, ***leather*** while drilling operations, others during sampling of vapor) _____
☐ Half mask or full face mask air purifying respirator required if organic vapor levels exceed 5 ppm (specify cartridge or filter type to be used)Overhead power lines
X Ear plugs or muffs in high noise areas
☐ Tyvek suit
☐ Other (specify)_____

Monitoring Equipment To Be Used: (choose any or all which apply)

☐ Photoionization detector (specify lamp) _____ or _____
(If levels exceed 5 ppm, use respirator as indicated under personal protective equipment.)
☐ Combustible gas meter. (If levels exceed 20% of lower explosive limit, drilling operations will temporarily be shut down.)—RKI Eagle or GEM500
☐ Organic vapor analyzer. (If levels exceed 5 ppm, use respirator as indicated under personal protective equipment.)
☐ Personal monitoring equipment (specify type) _____
☐ Other (specify) Additional monitoring equipment may be used as conditions warrant.

Site Control Measures: (choose any or all which apply)

☐ Fence
☐ Caution Tape
X Other (specify) Safety cones

Decontamination Procedures?

- Equipment will be steamed cleaned
- Any contaminated clothing will be removed and placed in plastic bags for later disposal
- Hands must be thoroughly washed before leaving site

Emergency/Contingency Plans:

- Stop all work in case of accident or injury
- Know locations of emergency power and shut offs, eye wash/shower, first aid kit, telephone, fire extinguisher.
- Contact: Ross Brown Telephone # (775) 857-9445

Hospital/Clinic: (attach map)

Address: Barstow Community Hospital
820 East Mountain View Street
Barstow, CA 92311

Telephone #: (760) 255-4224

Distance: 9.7 miles / 11 minutes

Paramedic Phone #:	**Fire Dept. Phone #:**	**Police Dept. Phone #:**
911	**911**	**911**

Confined Space Entry Procedures? (Not Required at this time)

- Monitor for LEL prior to entry into crawl space
- Continuously monitor for LEL during work in crawl space
- If LEL alarm condition, immediately evacuate crawl space..

SITE HEALTH AND SAFETY PLAN—Environmental Intelligence (Barstow)

Pre-job Safety Meeting:

Signature	Name (Printed)	Date
	Max Geissel	12-15-14
	ERIC HERRERA	12-15-14
	Juan Osorio	12-15-14
	ROGELIO PANIAGUA	12-15-14
	Richard Frizzell	12-15-14 GCE

Personal Air Monitoring: (if applicable)

Type_____ Type_____

Name_____ Name_____

Date_____ Date_____

Time on_____ Time off_____ Time on_____ Time off_____

Chemicals analyzed for_____ Chemicals analyzed for_____

Results_____ Results_____

PEL_____ PEL_____

SITE HEALTH AND SAFETY PLAN—Environmental Intelligence (Barstow)

Additional Safety Meetings:		
Signature	**Name (Printed)**	**Date**
JDK	Soto, Kilgoberto	1-5-15
JDK	Brian Alandar	1-5-15
JDK	S. Lopez	1-5-15
GCE	Richard Frazell	1-5-15

Additional Safety Meetings:		
Signature	**Name (Printed)**	**Date**

Notes

mapquest

Trip to:

820 E Mountain View St
Barstow, CA 92311-3004
9.66 miles / 11 minutes

25409 Community Blvd, Barstow, CA 92311-9672

Download Free App

1. Start out going **west** on **Community Blvd** toward **Lenwood Rd**. Map — **0.01 Mi** — *0.01 Mi Total*

2. Take the **1st right** onto **Lenwood Rd**. Map — **0.7 Mi** — *0.7 Mi Total*
If you reach Saggitarius Rd you've gone about 0.5 miles too far

3. Take the **1st right** onto **CA-58**. Map — **4.1 Mi** — *4.8 Mi Total*
If you reach Old Highway 58 you've gone about 0.3 miles too far

4. Merge onto **I-15 N / Barstow Fwy N** toward **I-40 E / Las Vegas**. Map — **3.6 Mi** — *8.4 Mi Total*

5. Take the **Barstow Rd / CA-247** exit, **EXIT 183**. Map — **0.3 Mi** — *8.8 Mi Total*

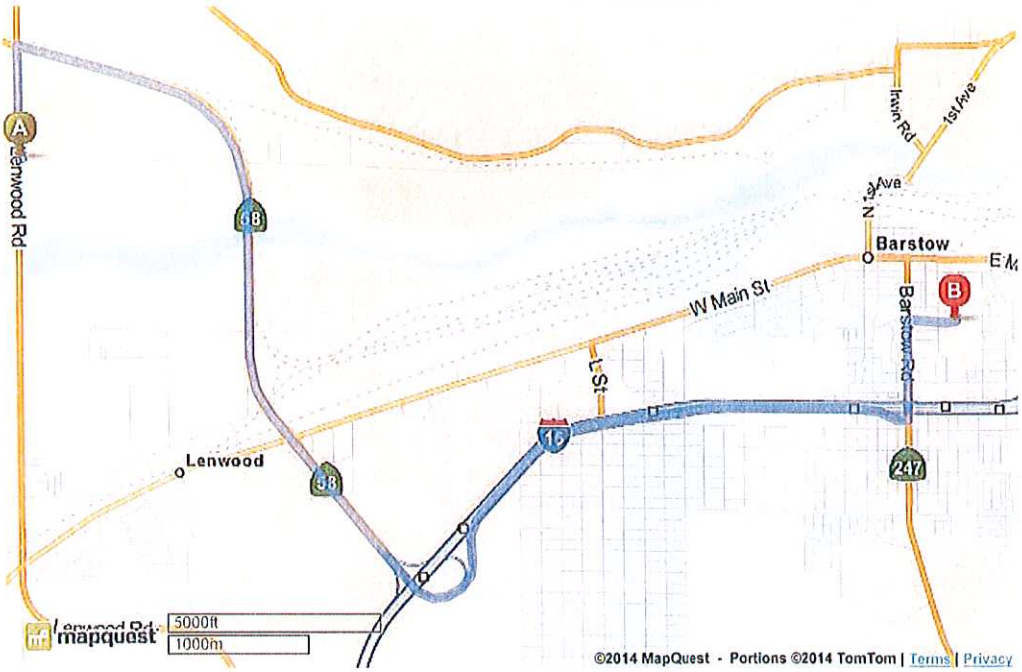
6. Turn **left** onto **Barstow Rd / CA-247**. Continue to follow **Barstow Rd**. Map — **0.6 Mi** — *9.3 Mi Total*

7. Turn **right** onto **E Mountain View St**. Map — **0.3 Mi** — *9.7 Mi Total*
E Mountain View St is just past Lance Dr
St Joseph's Catholic Church is on the corner
If you reach Pioneer St you've gone a little too far

8. **820 E MOUNTAIN VIEW ST**. Map
Your destination is 0.1 miles past S 7th Ave
If you reach Melissa Ave you've gone a little too far

820 E Mountain View St, Barstow, CA 92311-3004

Total Travel Estimate: **9.66 miles - about 11 minutes**



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Notes

mapquest

Trip to:

820 E Mountain View St
Barstow, CA 92311-3004
9.66 miles / 11 minutes

25409 Community Blvd, Barstow, CA 92311-9672

Download Free App

1. Start out going **west** on **Community Blvd** toward **Lenwood Rd**. Map	**0.01 Mi** *0.01 Mi Total*
2. Take the 1st **right** onto **Lenwood Rd**. Map *If you reach Saggitarius Rd you've gone about 0.5 miles too far*	**0.7 Mi** *0.7 Mi Total*
3. Take the 1st **right** onto **CA-58**. Map *If you reach Old Highway 58 you've gone about 0.3 miles too far*	**4.1 Mi** *4.8 Mi Total*
4. Merge onto **I-15 N / Barstow Fwy N** toward **I-40 E / Las Vegas**. Map	**3.6 Mi** *8.4 Mi Total*
5. Take the **Barstow Rd / CA-247** exit, **EXIT 183**. Map	**0.3 Mi** *8.8 Mi Total*
6. Turn **left** onto **Barstow Rd / CA-247**. Continue to follow **Barstow Rd**. Map	**0.6 Mi** *9.3 Mi Total*
7. Turn **right** onto **E Mountain View St**. Map *E Mountain View St is just past Lance Dr* *St Joseph's Catholic Church is on the corner* *If you reach Pioneer St you've gone a little too far*	**0.3 Mi** *9.7 Mi Total*
8. **820 E MOUNTAIN VIEW ST**. Map *Your destination is 0.1 miles past S 7th Ave* *If you reach Melissa Ave you've gone a little too far*	

820 E Mountain View St, Barstow, CA 92311-3004

Total Travel Estimate: **9.66 miles - about 11 minutes**

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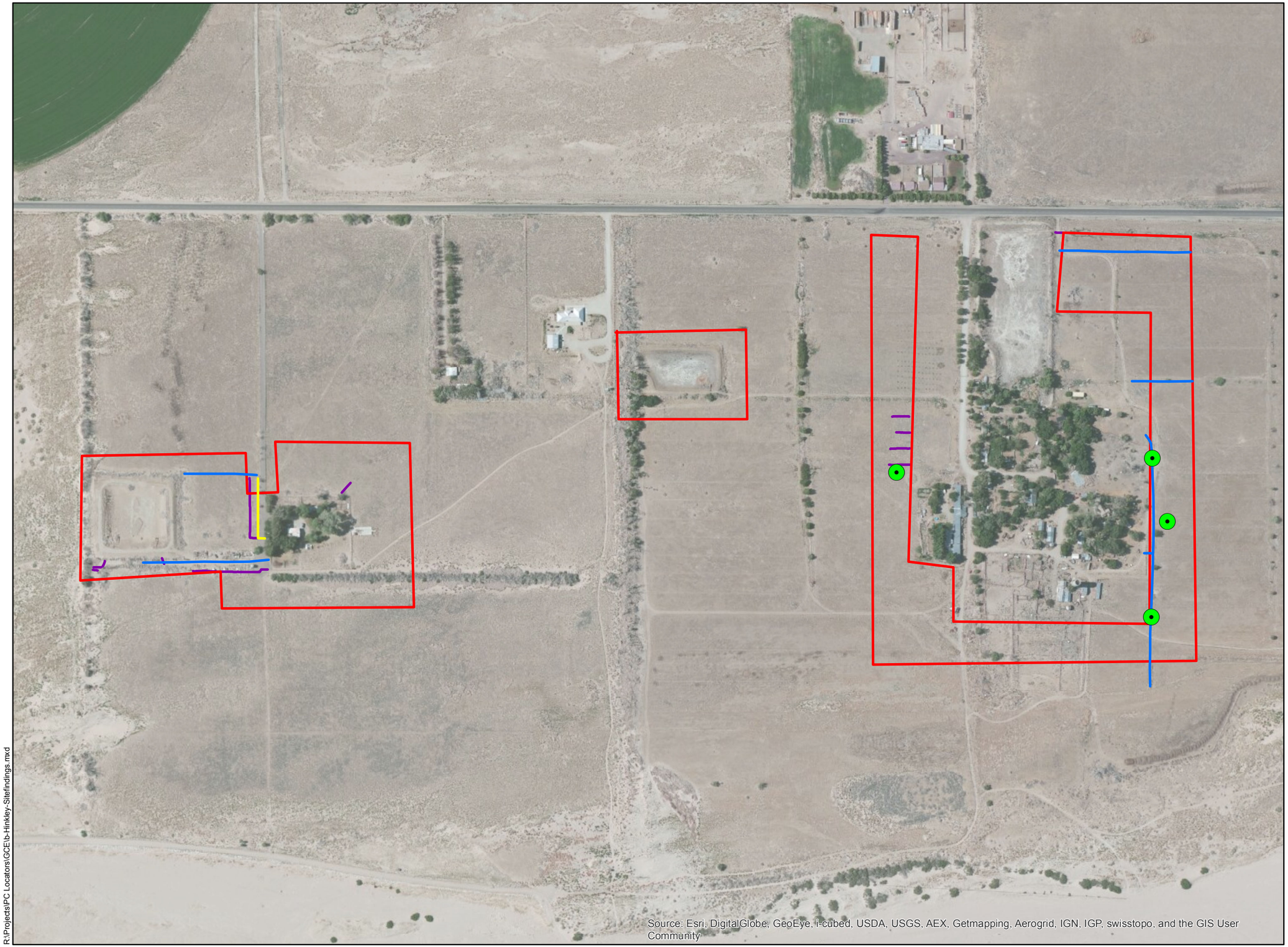
Appendix B: Geophysical Survey



2606 Foothill Boulevard, Suite G
La Crescenta, CA. 91214

SITE UTILITY FINDINGS

Community Blvd.
Hinkley, Ca

LEGEND

Possible Fill Area

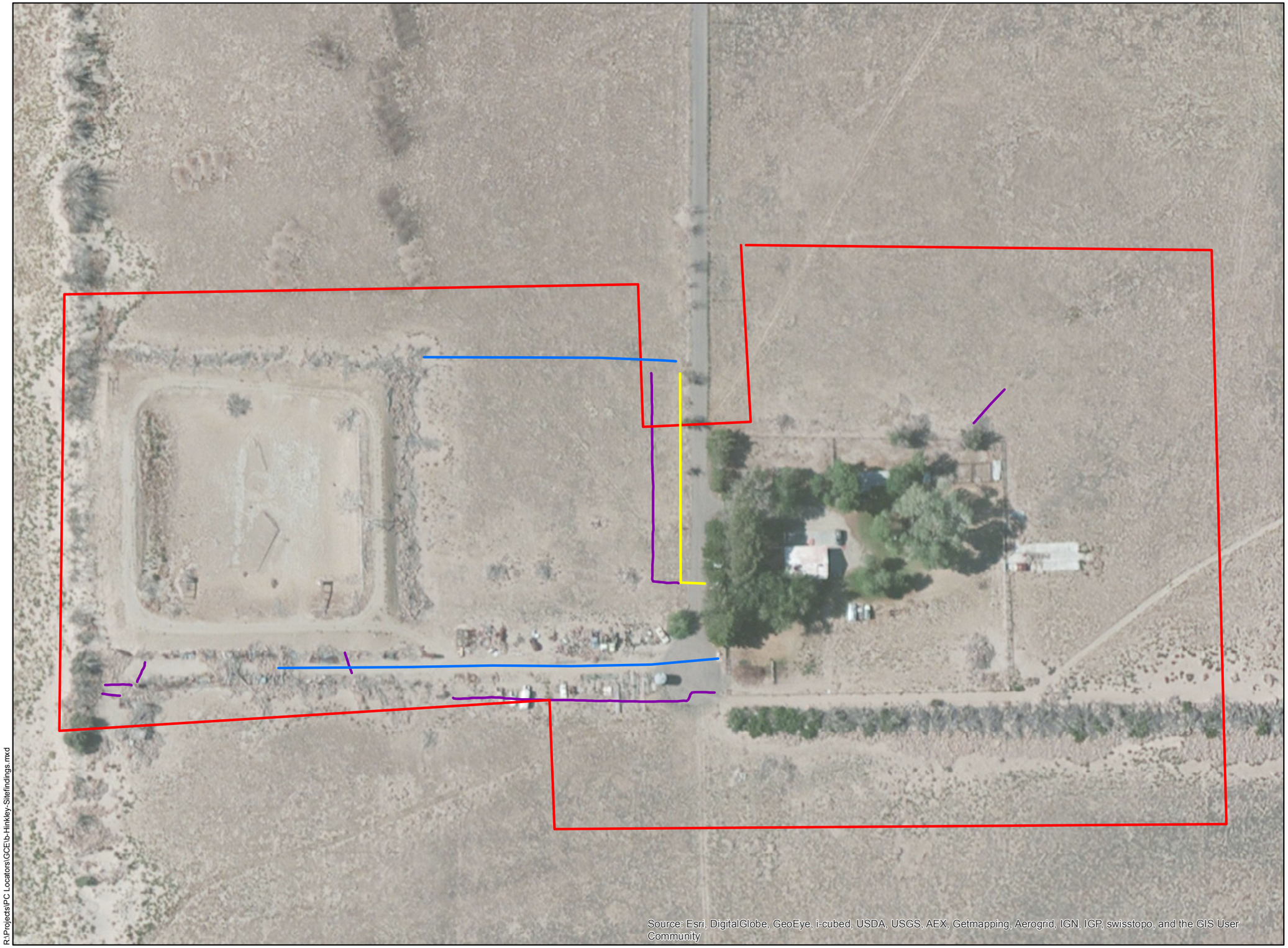
Type

- Area of Survey
- Gas
- Linear GPR Anomoly
- Water

N

0 175 350 700
Feet

R:\Projects\PC Locators\GCE\b-Hinkley-Sitefindings.mxd



2606 Foothill Boulevard, Suite G
La Crescenta, CA. 91214

SITE UTILITY FINDINGS

Community Blvd.
Hinkley, Ca

LEGEND

Possible Fill Area

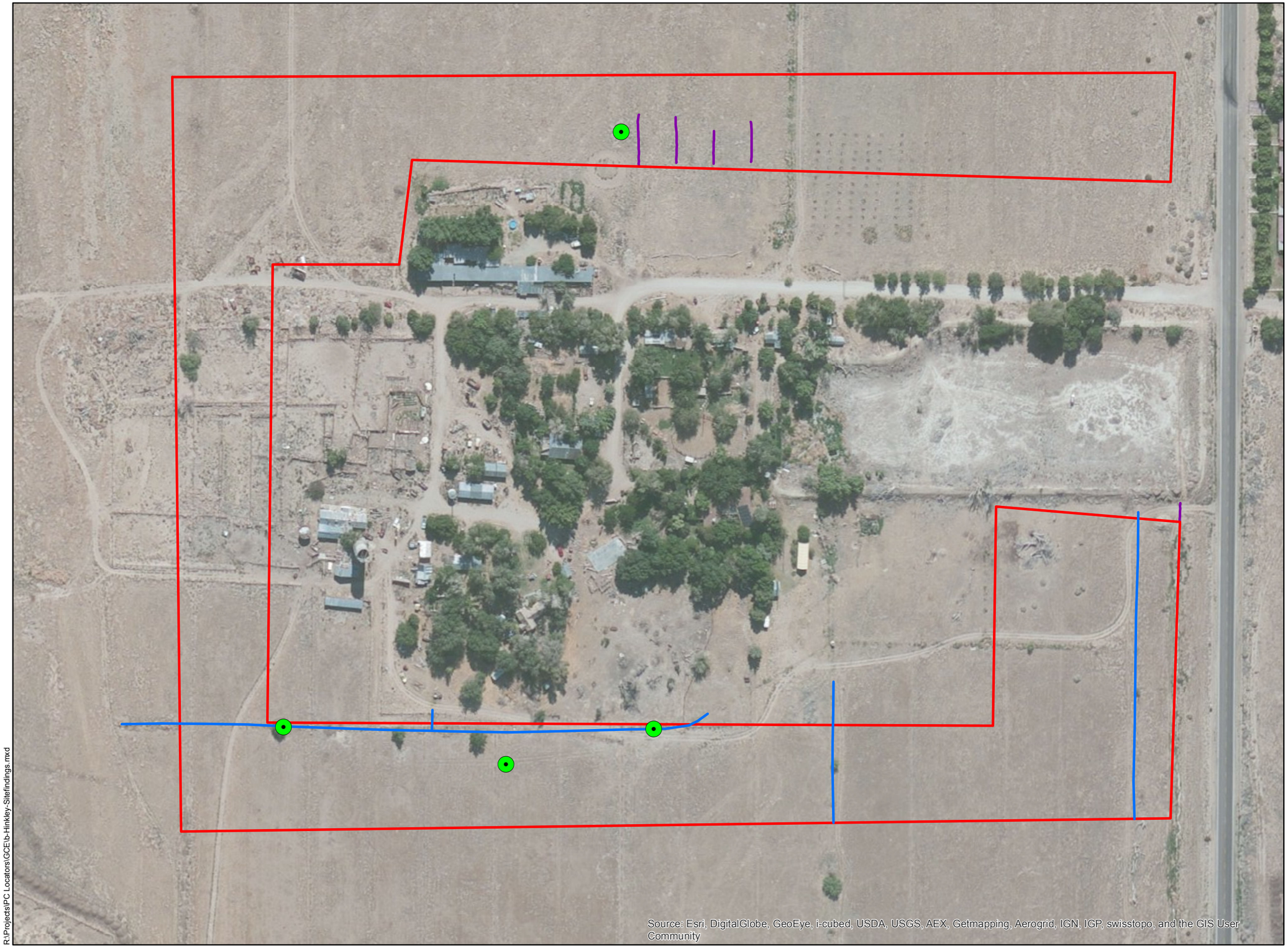
Type

- Area of Survey
- Gas
- Linear GPR Anomoly
- Water

N

0 50 100 200
Feet

R:\Projects\PC Locators\GCElb-Hinkley-Sitefindings.mxd



2606 Foothill Boulevard, Suite G
La Crescenta, CA. 91214

SITE UTILITY FINDINGS

Community Blvd.
Hinkley, Ca

LEGEND

Possible Fill Area

Type

- Area of Survey
- Gas
- Linear GPR Anomoly
- Water

N

0 75 150 300
Feet

R:\Projects\PC Locators\GCE\b-Hinkley-Sitefindings.mxd

Appendix C: Underground Utility Service Alert Confirmation

Richard Frizzell <rfrizzell@gc-environmental.com>

DigAlert Confirmation for Ticket A43420715-00A

1 message

noreply@digalert.org <noreply@digalert.org> Mon, Dec 8, 2014 at 10:41 AM
To: RFRIZZELL@gc-environmental.com

```
EMLCFM 00685A USAS 12/08/14 10:41:04 A43420715-00A NORM NEW GRID

Thank you for calling Underground Service Alert of Southern
California.  This is an automatically generated confirmation of
your DigAlert.  For your safety, please respect and protect the
marks, and excavate carefully around the marked utility lines.

This email comes from an automated program that is NOT MONITORED.
DO NOT REPLY BACK TO THIS EMAIL.

Ticket : A43420715  Date: 12/08/14 Time: 10:26 Oper: RKC Chan: 100
Old Tkt: A43420715  Date: 12/08/14 Time: 10:40 Oper: RKC Revision: 00A

Company: BC2 ENVRIONMENTAL DRILLING     Caller: RICHARD FRIZZELL - GC ENVIRONM
Co Addr: 1150 W TRENTON AVE
City&St: ORANGE, CA                     Zip: 92867      Fax: 714-632-9968
Phone: 714-632-9969 Ext:      Call back: ANYTIME
Formn: RICHARD FRIZZELL     Phone: 714-745-3284
Email: RFRIZZELL@GC-ENVIRONMENTAL.COM

State: CA County: SAN BERNARDINO  Place: BARSTOW
Delineated: Y
Delineated Method: STAKES
Address:             Street:COMMUNITY BLVD
X/ST 1 : 58
MPM 1:              MPM 2:
Locat: 25409 & 25749 COMMUNITY BLVD LOC IN A BOUNDED AREA:  N/BY COMMUNITY BLVD,
     : W/BY APPROX 4950FT W/OF HWY 58, S/BY THE  MOJAVE RIVER (LOC APPROX 2250FT
     : S/OF COMMUNITY BLVD)  AND  E/BY HWY 58

Excav Enters Into St/Sidewalk: N

Grids: 3678G02      3678G032     3678H02      3678H0312
Grids: 3678J0213    3678J031
Lat/Long  : 34.907028/-117.110565 34.906822/-117.093751
          : 34.898778/-117.110666 34.898572/-117.093852
Caller GPS:

Boring: Y  Explosives: N  Vacuum: N
Re-Mark: N

Work : HAND AUGER, DIRECT PUSH,HOLLOW END AUGER SOIL & GROUND WATER SAMPLES 30-35
Wkend: N  Night: N
Work date: 12/10/14 Time: 10:30 Priority: 2
Instruct : MARK BY                      Permit: PENDING
Done for : ENVIRONMENTAL INTELLIGENCE

Tkt Exp: 01/05/15

Mbrs :
BAR61  C/OF BARSTOW-TR S,SWR,ST DR   LAURIE                    760-255-5161x3215
MOJWTR MOJAVE WATER AGENCY           KURT CARLSON              760-946-7035
MOPLW  MOJAVE PIPELINE OPER CO       MOJAVE PIPELINE OPERATIN  800-334-8047
PGEHIS PACIFIC GAS & ELECTRIC        DAN LYTLE                 800-743-5000
SBC64  SBDO CO AREA 64-SEWER         SAN BERNARDINO CO AREA 6  760-955-9885x21543
SWG01  SOUTHWEST GAS                 DISPATCH                  800-867-9091
USCE72 UTILIQUEST 4 SCE - BARSTOW    SC EDISON PERSONNEL       800-611-1911
UTWCBAR UTILIQUEST/TIME WARNER-BARST Jaquine Buttermore        760-256-3526
UVZBIS UTILIQUEST FOR VERIZON -BISHO Not available             800-837-4966
```

Richard Frizzell <rfrizzell@gc-environmental.com>

DigAlert Confirmation for Ticket A43420722-00A

1 message

noreply@digalert.org <noreply@digalert.org> Mon, Dec 8, 2014 at 10:44 AM
To: RFRIZZELL@gc-environmental.com

```
EMLCFM 00701A USAS 12/08/14 10:44:54 A43420722-00A NORM NEW GRID

Thank you for calling Underground Service Alert of Southern
California.  This is an automatically generated confirmation of
your DigAlert.  For your safety, please respect and protect the
marks, and excavate carefully around the marked utility lines.

This email comes from an automated program that is NOT MONITORED.
DO NOT REPLY BACK TO THIS EMAIL.

Ticket : A43420722  Date: 12/08/14 Time: 10:41 Oper: RKC Chan: 100
Old Tkt: A43420722  Date: 12/08/14 Time: 10:44 Oper: RKC Revision: 00A

Company: BC2 ENVRIONMENTAL DRILLING     Caller: RICHARD FRIZZELL - GC ENVIRONM
Co Addr: 1150 W TRENTON AVE
City&St: ORANGE, CA                     Zip: 92867      Fax: 714-632-9968
Phone: 714-632-9969 Ext:      Call back: ANYTIME
Formn: RICHARD FRIZZELL     Phone: 714-745-3284
Email: RFRIZZELL@GC-ENVIRONMENTAL.COM

State: CA County: SAN BERNARDINO  Place: BARSTOW
Delineated: Y
Delineated Method: STAKES
Address:             Street:COMMUNITY BLVD
X/ST 1 : 58
MPM 1:             MPM 2:
Locat: VACANT LOT  BOUNDED S/BY COMMUNITY BLVD, W/BY APPROX 1900FT W/OF HWY 58
     : AND N/E/BY HWY 58

Excav Enters Into St/Sidewalk: N

Grids: 3678H0124    3678H022     3678J013     3678J021
Lat/Long  : 34.912796/-117.100845 34.912796/-117.093826
          : 34.906948/-117.100845 34.906948/-117.093826
Caller GPS:

Boring: Y  Explosives: N  Vacuum: N
Re-Mark: N

Work : SOIL SAMPLES 4-7
Wkend: N  Night: N
Work date: 12/10/14 Time: 10:41 Priority: 2
Instruct : MARK BY                        Permit: PENDING
Done for : ENVIRONMENTAL INTELLIGENCE

Tkt Exp: 01/05/15

Mbrs :
MOJWTR MOJAVE WATER AGENCY           KURT CARLSON             760-946-7035
MOPLW  MOJAVE PIPELINE OPER CO       MOJAVE PIPELINE OPERATIN 800-334-8047
SWG01  SOUTHWEST GAS                 DISPATCH                 800-867-9091
USCE72 UTILIQUEST 4 SCE - BARSTOW    SC EDISON PERSONNEL      800-611-1911
UTWCBAR UTILIQUEST/TIME WARNER-BARST Jaquine Buttermore       760-256-3526
UVZBIS UTILIQUEST FOR VERIZON -BISHO Not available            800-837-4966
```

Richard Frizzell <rfrizzell@gc-environmental.com>

NO LOCATE RESPONSE - DO NOT REPLY Ticket Reference: [689967]

1 message

onecall_ng_notify@kindermorgan.com <onecall_ng_notify@kindermorgan.com> Tue, Dec 9, 2014 at 5:36 AM

To: RFRIZZELL@gc-environmental.com

Ticket Reference: [689967]

In reference to: One Call - Locate Request Number A43420722 received by Terminal Code or CDC MOPLW at address COMMUNITY BLVD at intersection 58
in the town of BARSTOW .
Kinder Morgan, Inc., and the affiliated entities for which it acts as operator El Paso Natural Gas Company. (EPNG) and has received notice from the One Call system that you are planning an excavation, which may be in the vicinity of a Kinder Morgan pipeline.

Based upon the location of your planned excavation provided to Kinder Morgan, in our judgment, your excavation will not affect a Kinder Morgan pipeline maintained by the above Terminal Code or CDC. Therefore, this Kinder Morgan Terminal Code or CDC does not plan to mark the approximate location of its pipeline(s). Please be advised that there may be more than one Kinder Morgan Terminal Code or CDC in this vicinity and they will respond seperately
to your Locate Request.

Should you feel that your excavation will in fact affect a Kinder Morgan pipeline or if the location provided to Kinder Morgan changes, please immediately contact Kinder Morgan's Gas Control Center at:

El Paso Natural Gas Company LLC 800-334-8047

Thank You for using the One Call System! For Additional information on pipeline safety and public awareness please visit our website at: www.KinderMorgan.com/Public_Awarenes

Richard Frizzell <rfrizzell@gc-environmental.com>

NO LOCATE RESPONSE - DO NOT REPLY Ticket Reference: [689958]

1 message

onecall_ng_notify@kindermorgan.com <onecall_ng_notify@kindermorgan.com> Tue, Dec 9, 2014 at 5:40 AM

To: RFRIZZELL@gc-environmental.com

Ticket Reference: [689958]

In reference to: One Call - Locate Request Number A43420715 received by Terminal Code or CDC MOPLW at address COMMUNITY BLVD at intersection 58
in the town of BARSTOW .
Kinder Morgan, Inc., and the affiliated entities for which it acts as operator El Paso Natural Gas Company. (EPNG) and has received notice from the One Call system that you are planning an excavation, which may be in the vicinity of a Kinder Morgan pipeline.

Based upon the location of your planned excavation provided to Kinder Morgan, in our judgment, your excavation will not affect a Kinder Morgan pipeline maintained by the above Terminal Code or CDC. Therefore, this Kinder Morgan Terminal Code or CDC does not plan to mark the approximate location of its pipeline(s). Please be advised that there may be more than one Kinder Morgan Terminal Code or CDC in this vicinity and they will respond seperately
to your Locate Request.

Should you feel that your excavation will in fact affect a Kinder Morgan pipeline or if the location provided to Kinder Morgan changes, please immediately contact Kinder Morgan's Gas Control Center at:

El Paso Natural Gas Company LLC 800-334-8047

Thank You for using the One Call System! For Additional information on pipeline safety and public awareness please visit our website at: www.KinderMorgan.com/Public_Awarenes

Richard Frizzell <rfrizzell@gc-environmental.com>

PG&E Response to a USA Locate Request

1 message

agt_comm@irth.com <agt_comm@irth.com> Tue, Dec 9, 2014 at 1:38 PM
To: RFRIZZELL@gc-environmental.com

==========
To: BC2 ENVRIONMENTAL DRILLING Attn: RICHARD FRIZZELL - GC ENVIRONM
Voice: 7146329969 Fax: 7146329968
Re: PG&E Response to a USA Locate Request

This is a message from Pacific Gas & Electric Company replying to your request to mark our facilities.

==========

Ticket: A43420715
County: SAN BERNARDINO Place: BARSTOW
Address: COMMUNITY BLVD

PGEHIS:
A site visit / field meet is required for this ticket. Please contact the locator to schedule a meeting. *Caution!! - Critical facility identified. PG&E has Critical facilities near the area of your proposed excavation. A 48-hour advance notification is required to schedule a standby person. No excavation is allowed without a standby person on site.*

==========

Please call USA at 8-1-1 if you have questions about white paint or the USA process. If you have a question for PG&E, please call 1-800-743-5000.

==========

This message was generated by an automated system. Please do not reply to this email.

Richard Frizzell <rfrizzell@gc-environmental.com>

Response to Dig Request

2 messages

agt_comm@irth.com <agt_comm@irth.com> Tue, Dec 9, 2014 at 3:57 PM
To: RFRIZZELL@gc-environmental.com

==========
To: BC2 ENVRIONMENTAL DRILLING Attn: RICHARD FRIZZELL - GC ENVIRONM
Voice: 7146329969 Fax: 7146329968
Re: Response to Dig Request

This is an important message from Southwest Gas replying to your request to locate our underground facilities in an area described on the one call center ticket.

==========

Ticket: A43420715
County: SAN BERNARDINO Place: BARSTOW
Address: COMMUNITY BLVD

SWG01:
E L M has completed a review of your locate request and determined that natural gas facilities are not in conflict with your work area.

==========

If you have any questions please contact Southwest Gas.

==========

This message was generated by an automated system. Please do not reply to this email.

---

agt_comm@irth.com <agt_comm@irth.com> Tue, Dec 9, 2014 at 3:57 PM
To: RFRIZZELL@gc-environmental.com

==========
To: BC2 ENVRIONMENTAL DRILLING Attn: RICHARD FRIZZELL - GC ENVIRONM
Voice: 7146329969 Fax: 7146329968
Re: Response to Dig Request

This is an important message from Southwest Gas replying to your request to locate our underground facilities in an area described on the one call center ticket.

==========

Ticket: A43420722
[Quoted text hidden]

Richard Frizzell <rfrizzell@gc-environmental.com>

PG&E Response to a USA Locate Request

1 message

agt_comm@irth.com <agt_comm@irth.com> Thu, Dec 11, 2014 at 7:32 AM
To: RFRIZZELL@gc-environmental.com

==========
To: BC2 ENVRIONMENTAL DRILLING Attn: RICHARD FRIZZELL - GC ENVIRONM
Voice: 7146329969 Fax: 7146329968
Re: PG&E Response to a USA Locate Request

This is a message from Pacific Gas & Electric Company replying to your request to mark our facilities.

==========

Ticket: A43420715
County: SAN BERNARDINO Place: BARSTOW
Address: COMMUNITY BLVD

PGEHIS:
P G & E has determined that there is no conflict with our facilities at this excavation site.

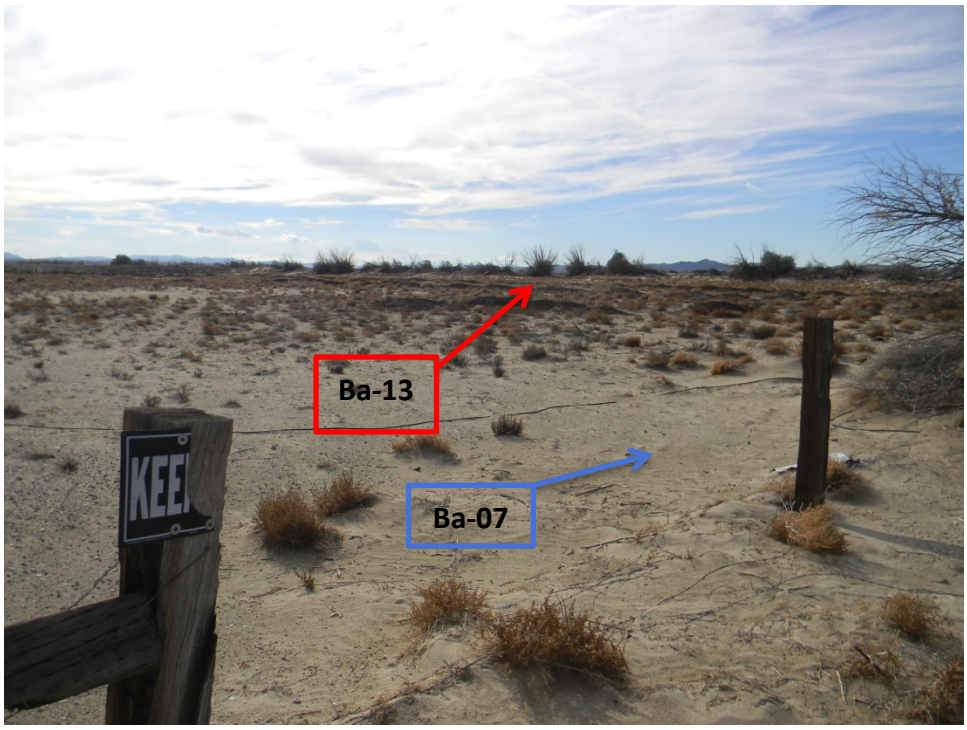
==========

Please call USA at 8-1-1 if you have questions about white paint or the USA process. If you have a question for PG&E, please call 1-800-743-5000.

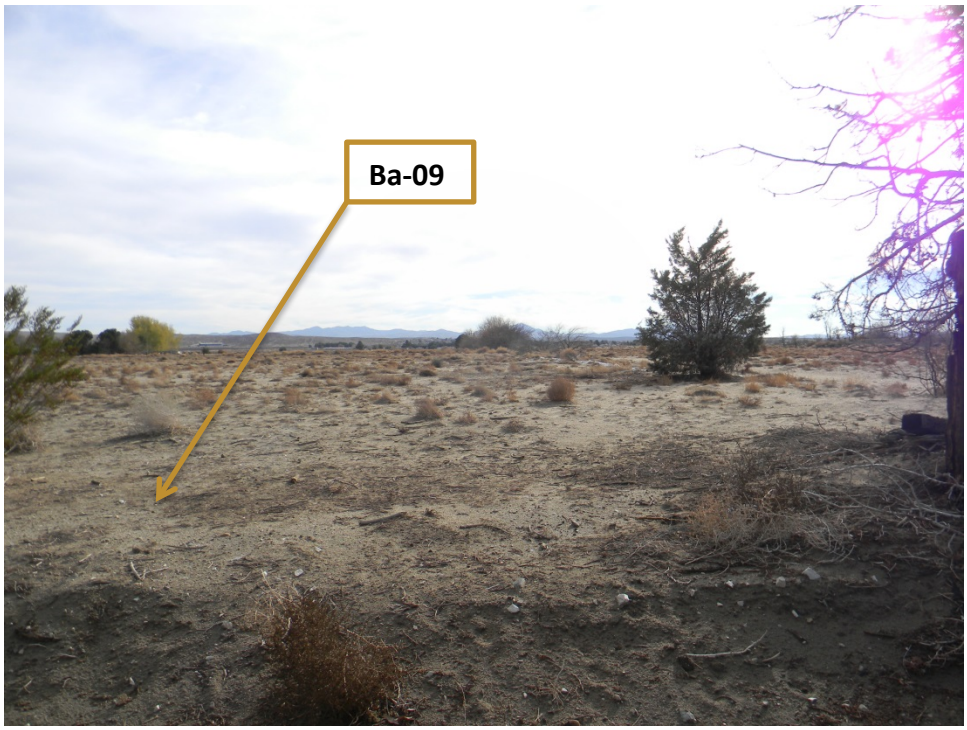
==========

This message was generated by an automated system. Please do not reply to this email.

Appendix D: Photographic Log



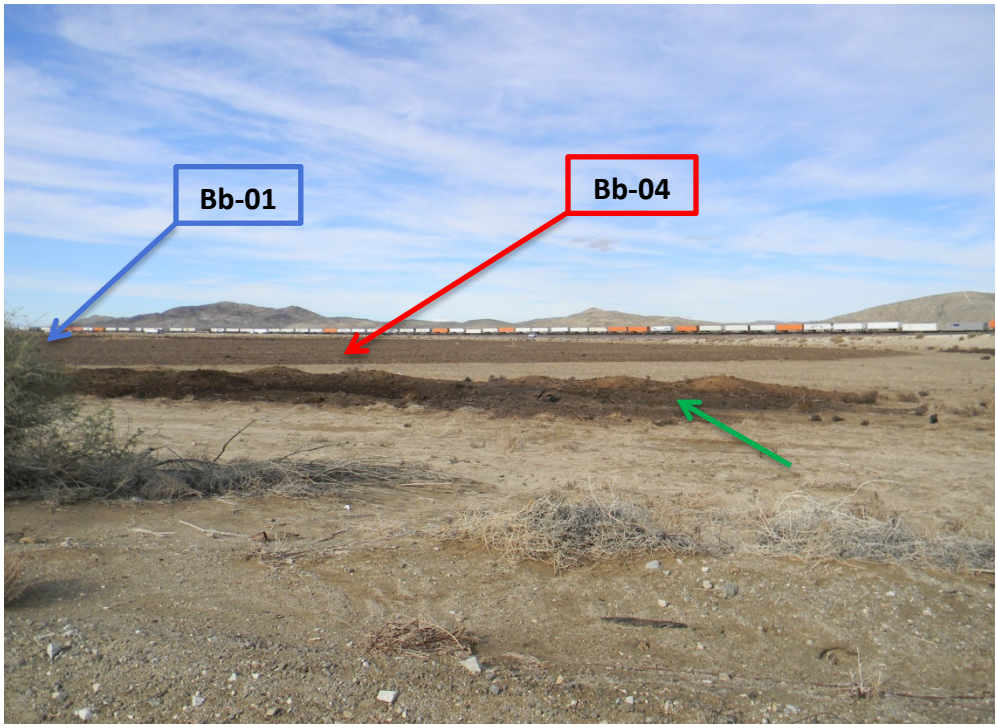
Photograph 1: The **Ba-series** of soil borings were completed in areas of potential standing water as a result of runoff. View of area of soil boring **Ba-07** (*red arrow*); this boring was completed in collection point for the field; **Ba-13** (*blue arrow*) was completed in what appeared to have been a ditch.



Photograph 2: South-facing view of the area of soil boring **Ba-09**. The top soil in this area appears to contained detectable concentrations of ΣDDT and trace concentrations of others.

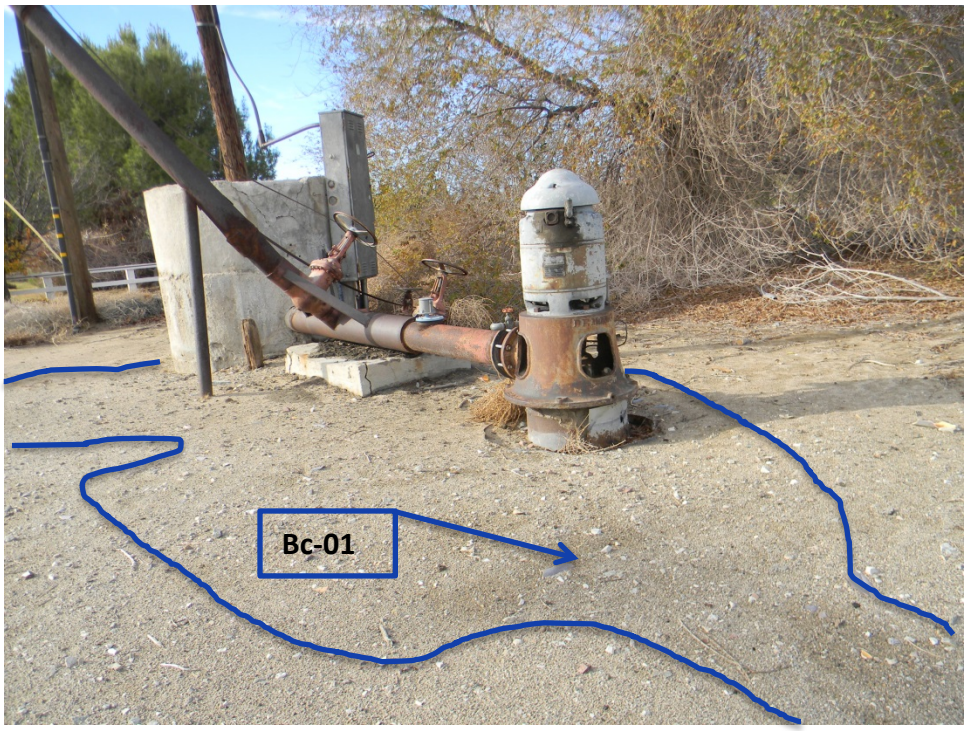
Copyright 2014, GC Environmental, Inc.

Photograph 3: Direct-push drilling rig used to complete the **Bb-series** of borings; the drilling crew is completing boring **Bb-04**. The soil samples were collected in acrylic tubing sleeves and cut into 2 ½ -foot long sections (*see insert*). The soil samples were transported to the laboratory in the sleeves where the laboratory composited the soil samples for analysis.



Photograph 4: Northeast-facing view of the northern parcel. Soil samples from the Bb-series detected Acenaphthene in boring **Bb-01** (30 µg/Kg; *red arrow*) and **Bb-04** (73 µg/Kg; *blue arrow*). This area appears to have been covered from the stockpiled material in the foreground (*green arrow*).

Copyright 2014, GC Environmental, Inc.



Photograph 5: The **Bc-series** of soil borings were intended to check the soils around the pumps associated with the groundwater wells at the site. In view is **Well #1** (*"J"-well or "North Well"*). Note that the surface appears discolored. The laboratory reported that the soil at 1 foot (**Bc-01**) contained 4,100 ppm of petroleum compounds. The outline of the area of soil discoloration is noted in blue.

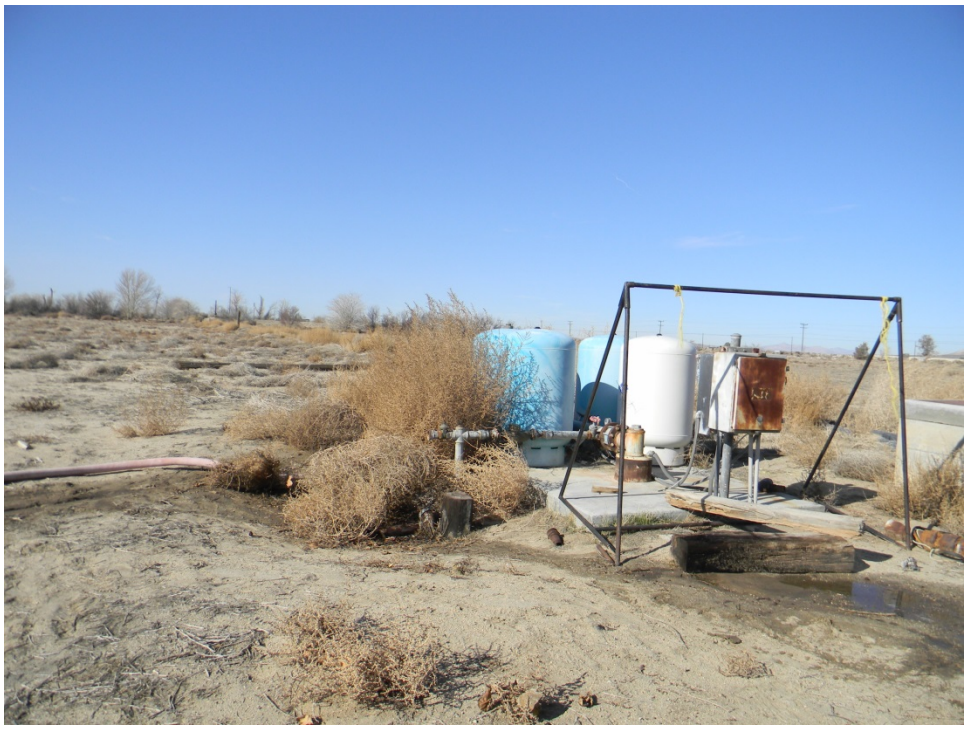
Photograph 6: West-facing view of western parcel; visible in the middle of the photograph is a trench that has been filled with construction debris (plywood, lumber, etc.). Boring **Bc-05** was drilled inside this trench. The laboratory did not report detectable concentrations of the parameters tested.

Copyright 2014, GC Environmental, Inc.

Photograph 7: View of the area of **Bc-06.** The non-functioning groundwater pump is noted with a blue arrow. The outline of the area of surface discoloration is noted with a blue line.

Photograph 8: East-facing view of the truck-mounted hollow-stem drilling rig used to collect the grab groundwater sample **Bd-01**. Soils encountered were silty sand to sand with minor amounts of sandy gravel. Several paleosol horizons were encountered (*Insert: orange intervals*) at 25 feet bgs.

Copyright 2014, GC Environmental, Inc.



Photograph 9: West-facing view of **Well #2**; this is a domestic well that is currently being used by the bungalows that are in the eastern area of the property.

Photograph 10: East-facing view of **Well #3** that is adjacent to a bungalow in the eastern portion of the property.

Copyright 2014, GC Environmental, Inc.

Photograph 11: Close-up of **Well #4**; located in the area of the bungalows in the eastern portion of the property.

Photograph 12: Southeast-facing view of **Well #5**, located in the western portion of the property.

Copyright 2014, GC Environmental, Inc.

Appendix E: Well Permit for Bd-01

12-11-14

SR# 66389

SAN BERNARDINO COUNTY

Public Health
Environmental Health Services
APPLICATION FOR WELL PERMIT

www.sbcounty.gov/dph/dehs
Phone: (800) 442-2283

THIS SECTION TO BE COMPLETED BY APPLICANT • HEALTH PERMITS ARE NOT TRANSFERABLE

1 – PROPERTY INFORMATION

Property Owner: Hills Ranch, Inc.			Phone Number: 760-792-5403
Site Address: 25749 Community Blvd.	City: Barstow	State: CA	Zip: 92311
Assessor's Parcel Number: 0497-101-05	Email: Tsmith@gc-environmental.com		
Township: N/S Tier: T9N	E/W Range: R2W	Section: 5	
Well Head: Latitude (decimal): 34.9068 N (Approximate)	Longitude (decimal): 117.1038 W (Approximate)		
Property Owner's Mailing Address: 25749 Community Blvd.	City: Barstow	State: CA	Zip: 92311

2 – CONSULTANT INFORMATION

Name of Consultant: GC Environmental, Inc.	Email: Tsmith@gc-environmental.com		Phone Number: 714-632-9969
Address: 1230 N. Jefferson Street Suite J	City: Anaheim	State: CA	Zip: 92807

3 – REGISTERED WELL DRILLER INFORMATION

Name of Driller: JDK Drilling, Inc.		Phone Number: 714-279-0131
Email: dkinloch@jdkdrilling.com	County Registration Number: PR 307	C-57 License Number: 887038

Return well permit to ☐ Well Driller ☒ Consultant ☐ Property Owner

Return by ☐ Mail ☒ Email

4 – TYPE OF WORK

☒ New ☐ Reconstruction ☐ Destruction

Date of Work	Start Date: 12/11/14	Completion Date: 12/11/14

5 – WELL TYPE

☐ Agriculture	☐ Horizontal	☐ Test
☐ Cathodic	☒ Monitoring/Observation	☐ Dairy
☐ Residential	☐ Community/PWS/City	☐ Other
☐ Industrial	☐ Geothermal	☐ Mining

6 – ANNULAR SEAL

Seal Depth (ft.) 100

☐ Driven Conductor Diameter (in.) N/A ☐ Wall (gauge) (in.) N/A

☒ Sealing Material Bentonite ☐ Thickness (in.) N/A

Sealing material shall be placed in one continuous pour. Annular seal thickness must be at least 3 inches for public water supply wells.

ITEMS 7 THROUGH 10 TO BE ESTIMATED FOR NEW WELLS, EXACT FOR ALL OTHER WELLS

7 – DIMENSIONS

Proposed Depth of Well (ft.)	Existing Depth of Well (ft.)	Diameter of Bore (in.)
100	N/A	8.25

8 – CASING INSTALLED

☐ Casing Standard ☐ Steel ☐ Plastic ☐ Standard Casing ☐ Other

From (ft.)	To (ft.)	Diameter (ft.)	Wall (Gauge)
N/A	N/A	N/A	N/A

Gravel Pack	☐ Yes	☒ No	From (ft.)	To (ft.)
Other Backfill Material	☒ Yes	☐ No	From (ft.) 100	To (ft.) 0

9 – PERFORATIONS (list all if applicable)

From (ft.) N/A	To (ft.) N/A	Pumping Rate (gpm) N/A

10 – SEALED ZONES (list all if applicable)

From (ft.) N/A	To (ft.) N/A

11 – PLOT PLAN

a) In perspective to the well site, sketch and label the following items on a separate paper: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

b) Indicate the distance, in feet, of any of the above which are within 500 ft. of the well site. The plot plan needs to be drawn to scale (½ inch = 100 feet). Show the approximate drainage pattern of the property and show access roads to the well site within 500 feet.

c) ☐ None of the above is within 500 feet.

d) Solid or Liquid Disposal Site within Two Miles ☐ Yes ☒ No Location

12 – METHOD OF CONSTRUCTION OR DESTRUCTION

(Language will go here)

We will be drilling a well for groundwater sampling. Groundwater is expected between 60 to 100 feet. There will be no casing or well installed; the sampling will be done through the hollow-stem auger. The boring will be backfilled with bentonite.

13 – AGREEMENT AND SIGNATURE

I have read this application and agree to comply with all laws regulating the type of work being performed.

Property Owner's Signature	X Silvia Pike	Date	12-9-14
Print Property Owner's Name	Silvia Pike Pres Hillsboro Inc		
C-57 Contractor's Signature	X Ron Kinlach	Date	12/9/14
Print Contractor's Name	JDK DRILLING, INC		

For Office Use Only DISPOSITION OF PERMIT For Office Use Only DISPOSITION OF PERMIT

☐ Sent to Water Agency

☐ Water Agency conditions or recommendations attached

☐ Denied

☒ Approved subject to the following:

Permit Number:	2014 012 759
Expiration Date:	06-26-15
WP Number:	WP 0027108

A. ☐ Notify the Division's Safe Drinking Water Program at (800) 442-2283 at least seventy two (72) hours in advance to make an inspection of the following operations: (Inspections are conducted Monday – Friday between 8:00 AM to 5:00 PM). Failure to cancel or reschedule appointments may result in an additional hourly fee.

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
- ☐ After installation of the surface protective slab and pumping equipment.
- ☐ After installation of the surface features.
- ☐ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Division, within thirty (30) days after completion of work, a copy of:

☒ Water Well Driller's Report ☐ Bacterial Analysis ☐ Inorganic Chemical Analysis ☐ General Physical

☐ Radiological Analysis ☐ General Mineral ☐ Organic Chemical Analysis

Comments: Well will be sealed with bentonite to full depth of drill on same day.

For Office Use Only For Office Use Only For Office Use Only For Office Use Only For Office Use Only

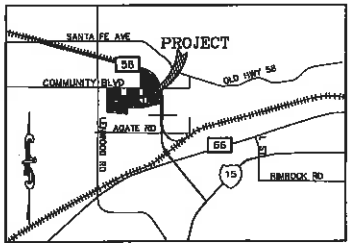
Fee:	FA Number:	Record ID:	PE Number: 4555
Late Fee: ☐ Y ☐ N	Designated Employee:	Received By:	Date:
Check One: ☐ New ☐ Transfer ☐ Reactivate		Changes (please specify):	

SR 66389

● Existing Wells

○ Proposed Sampling Location

LONGBOAT SOLAR ALTA/ACSM SURVEY



VICINITY MAP
NOT TO SCALE

SURVEYOR'S CERTIFICATION

TO: LONGBOAT SOLAR, LLC, A DELAWARE LIMITED LIABILITY COMPANY, TICOR TITLE COMPANY OF CALIFORNIA AND _____.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 3, 5, 8(a), 8, AND 11(a), OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED IN OCTOBER, 2013.

DATE OF PLAT OR MAP: OCTOBER 6, 2014

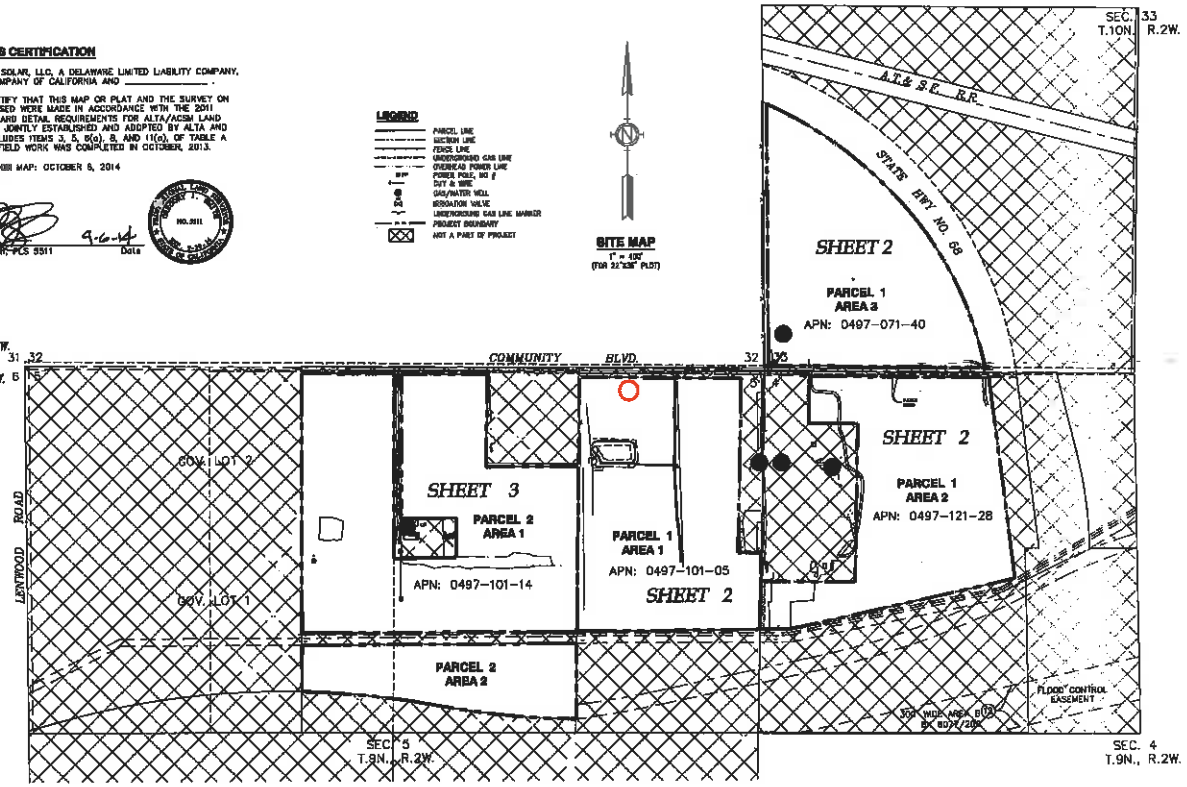
9-6-14

Gregory C. Smith, PLS 5511 — Date

LEGEND

- PARCEL LINE
- SECTION LINE
- FENCE LINE
- UNDERGROUND GAS LINE
- OVERHEAD POWER LINE
- P/P POWER POLE, NO #
- GUY & WIRE
- GAS/WATER WELL
- IRRIGATION VALVE
- UNDERGROUND GAS LINE MARKER
- PROJECT BOUNDARY
- NOT A PART OF PROJECT

SITE MAP
1" = 400'
(FOR 22"x36" PLOT)



COMMITMENT FOR TITLE INSURANCE

SCHEDULE A

NAME AND ADDRESS OF TITLE INSURANCE COMPANY: TICOR TITLE COMPANY OF CALIFORNIA, 18302 IRVINE BOULEVARD, SUITE 100, TUSTIN, CA 92780

TITLE OFFICER: JAI PRASCH — ORDER NO.: 00257905-997-JP4

ESCROW OFFICER: ORANGE COUNTY OAC EO

1. EFFECTIVE DATE: SEPTEMBER 23, 2014 AT 7:30 A.M.
2. POLICY OR POLICIES TO BE ISSUED: — AMOUNT
   - A. ALTA EXTENDED OWNERS POLICY (8-17-06) PROPOSED INSURED: LONGBOAT SOLAR, LLC, A DELAWARE LIMITED LIABILITY COMPANY — $TO BE DETERMINED
   - B. NONE PROPOSED INSURED: — $0.00
   - C. NONE PROPOSED INSURED: — $0.00
3. THE ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THIS COMMITMENT IS:

   ESTATE 1:

   A LEASEHOLD ESTATE AS CREATED BY THAT CERTAIN MEMORANDUM OF SOLAR LAND LEASE FOR THE TERM AND UPON AND SUBJECT TO ALL OF THE PROVISIONS CONTAINED IN SAID DOCUMENT, AND IN SAID LEASE, DATED SEPTEMBER 18, 2012, EXECUTED BY HILL'S RANCH, INC., A CALIFORNIA CORPORATION WHO ACQUIRED TITLE AS HILL'S RANCH, INC., AS LESSOR AND EDF RENEWABLE DEVELOPMENT, INC., A DELAWARE CORPORATION, AS LESSEE, AS REFERENCED IN THE INSTRUMENT RECORDED JUNE 25, 2013 AS INSTRUMENT NO. 2013-0259432 OF OFFICIAL RECORDS.

   ASSIGNMENT OF THE LESSEE'S INTEREST UNDER SAID LEASE,

   ASSIGNOR: EDF RENEWABLE DEVELOPMENT, INC., A DELAWARE CORPORATION
   ASSIGNEE: LONGBOAT SOLAR, LLC, A DELAWARE LIMITED LIABILITY COMPANY
   RECORDING DATE: SEPTEMBER 3, 2014
   RECORDING NO: 2014-0331449
   AND RECORDED: OCTOBER 1, 2014
   RECORDING NO.: 2014-0358807
   AS TO PARCEL 1; AND

   ESTATE 2:

   A LEASEHOLD ESTATE AS CREATED BY THAT CERTAIN MEMORANDUM OF SOLAR LAND LEASE FOR THE TERM AND UPON AND SUBJECT TO ALL OF THE PROVISIONS CONTAINED IN SAID DOCUMENT, AND IN SAID LEASE, DATED APRIL 24, 2012, EXECUTED BY WAYNE A. SOPPELAND AND JANET M. SOPPELAND, TRUSTEES OF THE SOPPELAND REVOCABLE TRUST DATED DECEMBER 5, 2008, AS LESSOR AND EMODE DEVELOPMENT CORPORATION, A DELAWARE CORPORATION, AS LESSEE, AS REFERENCED IN THE INSTRUMENT RECORDED JUNE 4, 2012 AS INSTRUMENT NO. 2012-0218959 OF OFFICIAL RECORDS

   AND AMENDED BY A "MEMORANDUM OF FIRST AMENDMENT TO SOLAR LAND LEASE", DATED DECEMBER 18, 2012, RECORDED FEBRUARY 12, 2013 AS INSTRUMENT NO. 2013-0068945 OF OFFICIAL RECORDS,

   ASSIGNMENT OF THE LESSEE'S INTEREST UNDER SAID LEASE,

   ASSIGNOR: EDF RENEWABLE DEVELOPMENT, INC., A DELAWARE CORPORATION
   ASSIGNEE: LONGBOAT SOLAR, LLC, A DELAWARE LIMITED LIABILITY COMPANY
   RECORDING DATE: SEPTEMBER 5, 2014
   RECORDING NO: 2014-0331449
   AND RECORDED: OCTOBER 1, 2014
   RECORDING NO.: 2014-0358807
   AS TO PARCEL 2
4. TITLE TO THE FEE ESTATE OR INTEREST IN THE LAND IS AT THE EFFECTIVE DATE VESTED IN:

   LONGBOAT SOLAR, LLC, A DELAWARE LIMITED LIABILITY COMPANY
5. THE LAND REFERRED TO IN THIS COMMITMENT IS DESCRIBED AS FOLLOWS:

   SEE EXHIBIT A ATTACHED HERETO AND MADE A PART HEREOF.

SHEET NO.	PARCEL	PORTION(S) OF APN	LOCATION
1	SHEET INDEX & MAP		
2	1	0497-101-05	SECTION 5, T.9N., R.2W.
		0497-121-28	SECTION 4, T.9N., R.2W.
		0497-071-40	SECTION 33, T.10N., R.2W.
3	2	0497-101-14	SECTION 6, T.9N., R.2W.

TITLE INFORMATION:

THE PROPERTY SHOWN HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN THE COMMITMENT FOR TITLE INSURANCE BY TICOR TITLE INSURANCE COMPANY, ORDER NO. 00257905-997-JP4, DATED SEPTEMBER 23, 2014 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS, REFERENCED IN SAID COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE SITE OR OTHERWISE KNOWN TO US HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE SUBJECT PROPERTY.

SURVEYOR'S NOTES:

THE UNDERGROUND UTILITIES THAT APPEAR ON THIS MAP HAVE BEEN LOCATED BY FIELD OBSERVATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

RECORD MAPS USED:

THE INFORMATION SHOWN HEREON IS BASED UPON A FIELD SURVEY AND A COMPILATION OF AVAILABLE RECORD MAPS AND TITLE INFORMATION.

MAPS USED:
- PARCEL MAP NO. 7321, FILED IN MAP BOOK 72, PAGE 49
- RECORD OF SURVEY FILED IN BOOK 37, PAGES 72
- RECORD OF SURVEY FILED IN BOOK 62, PAGES 90-91

FLOOD ZONE INFORMATION:

THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD RATE MAP FOR COMMUNITY NO. 060701 PANEL NO. 3915E, REVISED AUGUST 28, 2008 SHOWS THAT THE LOCATION OF THIS SITE FALLS WITHIN ZONE X, WHICH ARE AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

ZONING:

AG – AGRICULTURE (FOR APN: 0497-071-40 ONLY)
RL – RURAL LIVING, 5 ACRE MINIMUM

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE GRID BEARINGS OF THE CALIFORNIA STATE PLANE SYSTEM, NAD83, ZONE 5, EPOCH 1991.35, BASED ON GPS OBSERVATION OF NGS POINTS 0 JILL (PID EV0622) AND 8 SSS (PID EV0082).

BENCHMARK:

NGS BENCHMARK 6 SSS 1A5M (PID EV0082) ELEVATION = 2319.3.

SMITHCO SURVEYING & MAPPING
P.O. BOX 81626 BAKERSFIELD, CA 93380
PHONE: (661) 393-1217 FAX: (661) 393-1218

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DATE: 08/20/14
SCALE: AS SHOWN
DRAWN: DL
APPROVED:

REVISIONS

DATE	DESCRIPTION	BY
08/27/14	SUBMITTED	DL
09/15/14	NEW PRO FORMA REVIEWED	DL
10/05/14	TITLE COMMITMENT REVIEWED	DL

PREPARED FOR: EDF RENEWABLE ENERGY

PROJECT SITE: LONGBOAT SOLAR ALTA/ACSM SURVEY

DESCRIPTION: SHEET INDEX
SECTIONS 4, 5, T.9N., R.2W., S.B.B.&M.
SECTION 33, T.10N., R.2W., S.B.B.&M.
SAN BERNARDINO COUNTY

SHEET: 1 OF 3
JOB NO.: 85-077

Proposed Groundwater Sampling Location

Appendix F: Boring Log for Bd-01

WELL CONSTRUCTION	CHEMICAL ANALYSES Laboratory	CHEMICAL ANALYSES Field PID/ OVA (ppm)	Blow Count	Depth (feet)	SAMPLE Interval	SAMPLE Number	Lithology Symbol	U.S.C.S. Designation	SOIL DESCRIPTION S – Grab Sample, P - Photograph
				0					0905
			9	5				SM	SILTY SAND, fine, gray, slightly damp, medium density
			9						
			12						
			9	10					
			10						Contact in SPT 0920
			18					SP	SAND, coarse to fine with some silt, light grayish brown, slightly damp, med. density
			7	15	S				
			7					SM	SILTY SAND, fine with some medium, dark brown to dark gray, medium density, damp
			8						
			9	20					
			12					SP	SAND, coarse to fine with traces of silt, dark reddish brown, medium density, damp
			16						
	Backfilled with Bentonite Volclay Grout		8	25				NO	SAMPLE – Small amount of sand
			13						
			11						COLOR CHANGE @ 27' – Reddish brown
			8	30	S			SP	SAND, coarse to fine and fine gravel, dark reddish brown, medium density, damp
			10					GP	
			13						
			9	35	P				0945
			14					SM	SILTY SAND, alternating dark reddish brown and grayish brown, medium density, moist
			14		S				
			6	40					
			9					SP	SAND, coarse to medium with some fine gravel and traces of fine, reddish brown, medium density, damp
			7						
			7	45	S				
			7		P			CL	CLAY, with traces of silt, dark gray, dense, damp
			15						
				50					

RIM ELEVATION (feet):
GROUND SURFACE ELEVATION:
TOTAL DEPTH (feet): 86
DATE DRILLED: 1/5/15

LOGGED BY: RF
DRILL RIG: CME-85 JDK Drilling
DIAMETER OF BORING (in): 8.25"
WATER ENCOUNTERED AT DEPTH (feet): 79'

GC ENVIRONMENTAL, INC.

California Contractor's License #709413 714-632-9969

PROJECT NUMBER 1443-3-5

LOG OF BORING

Bd-01

PLATE

ENVIRON GINT - BLANK.GPJ GCE.GDT 8/6/12

WELL CONSTRUCTION	CHEMICAL ANALYSES: Laboratory	CHEMICAL ANALYSES: Field PID/ OVA (ppm)	Blow Count	Depth (feet)	SAMPLE: Interval	SAMPLE: Number	Lithology Symbol	U.S.C.S. Designation	SOIL DESCRIPTION
				50					
								SM	SILTY SAND, medium to fine, dark gray, moist
				55				SM	SILTY SAND, coarse to fine, dark reddish brown, moist
				60				SP	SAND, coarse to fine with traces of silt and clay, dark brown, moist 0955
				65				SP	SAND, coarse to fine with traces of silt and clay, dark brown, moist
				70				SP	SAND, coarse to fine with traces of silt, dark brown, very moist
Backfilled with Bentonite Volclay Grout				75				SP	SAND, coarse to fine with traces of silt, dark brown, wet 1005
		1012		80				SP	SAND, coarse to fine with traces of silt, dark brown, wet
				85				SP	SAND, coarse to fine with traces of silt, dark brown, wet 1010
				90					Total Depth = 86', wet
				95					

RIM ELEVATION (feet):
GROUND SURFACE ELEVATION:
TOTAL DEPTH (feet): 86
DATE DRILLED: 1/5/15

LOGGED BY: RF
DRILL RIG: CME-85 JDK Drilling
DIAMETER OF BORING (in): 8.25"
WATER ENCOUNTERED AT DEPTH (feet): 79'

GC ENVIRONMENTAL, INC.

California Contractor's License #709413 714-632-9969

PROJECT NUMBER 1443-3-5

LOG OF BORING

Bd-01

PLATE

Appendix G: Laboratory Reports

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WORK ORDER NUMBER: 14-12-1129

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Farideh Kia
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 12/23/2014 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Client Project Name: EI (Barstow) / 1443-3-5
Work Order Number: 14-12-1129

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Work Order Narrative

Work Order: 14-12-1129 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/11/14. They were assigned to Work Order 14-12-1129.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	14-12-1129
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	12/11/14 15:33
		Number of Containers:	24
Attn:	Farideh Kia		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Ba-01-01	14-12-1129-1	12/10/14 14:00	1	Solid
Ba-01-05	14-12-1129-2	12/10/14 14:15	1	Solid
Ba-02-01	14-12-1129-3	12/10/14 14:45	1	Solid
Ba-02-05	14-12-1129-4	12/10/14 15:15	1	Solid
Ba-03-01	14-12-1129-5	12/10/14 13:00	1	Solid
Ba-03-05	14-12-1129-6	12/10/14 13:15	1	Solid
Ba-04-01	14-12-1129-7	12/11/14 08:30	1	Solid
Ba-04-05	14-12-1129-8	12/11/14 08:45	1	Solid
Ba-05-01	14-12-1129-9	12/11/14 09:05	1	Solid
Ba-05-05	14-12-1129-10	12/11/14 09:20	1	Solid
Ba-06-01	14-12-1129-11	12/11/14 09:50	1	Solid
Ba-06-05	14-12-1129-12	12/11/14 10:05	1	Solid
Ba-07-01	14-12-1129-13	12/11/14 10:15	1	Solid
Ba-07-05	14-12-1129-14	12/11/14 10:30	1	Solid
Ba-08-01	14-12-1129-15	12/11/14 10:45	1	Solid
Ba-08-05	14-12-1129-16	12/11/14 11:00	1	Solid
Ba-09-01	14-12-1129-17	12/11/14 11:10	1	Solid
Ba-09-05	14-12-1129-18	12/11/14 11:20	1	Solid
Ba-10-01	14-12-1129-19	12/11/14 11:35	1	Solid
Ba-10-05	14-12-1129-20	12/11/14 11:50	1	Solid
Ba-11-01	14-12-1129-21	12/11/14 12:05	1	Solid
Ba-11-05	14-12-1129-22	12/11/14 12:20	1	Solid
Ba-12-01	14-12-1129-23	12/11/14 12:30	1	Solid
Ba-12-05	14-12-1129-24	12/11/14 12:40	1	Solid

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Detections Summary

Client:	GC Environmental	Work Order:	14-12-1129
	1230 N. Jefferson Street, Suite J	Project Name:	EI (Barstow) / 1443-3-5
	Anaheim, CA 92807-1631	Received:	12/11/14
Attn:	Farideh Kia		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Ba-09-01 (14-12-1129-17)						
4,4'-DDD	25		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	38		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	15		5.0	ug/kg	EPA 8081A	EPA 3545
Heptachlor Epoxide	5.6		5.0	ug/kg	EPA 8081A	EPA 3545
Ba-09-05 (14-12-1129-18)						
4,4'-DDD	8.2		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDE	13		5.0	ug/kg	EPA 8081A	EPA 3545
4,4'-DDT	5.7		5.0	ug/kg	EPA 8081A	EPA 3545
Ba-10-05 (14-12-1129-20)						
4,4'-DDE	5.6		5.0	ug/kg	EPA 8081A	EPA 3545
Ba-12-01 (14-12-1129-23)						
4,4'-DDT	6.4		5.0	ug/kg	EPA 8081A	EPA 3545

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-01-01	**14-12-1129-1-A**	**12/10/14 14:00**	**Solid**	**GC 41**	**12/15/14**	**12/18/14 08:28**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-01-05	**14-12-1129-2-A**	**12/10/14 14:15**	**Solid**	**GC 41**	**12/15/14**	**12/18/14 08:43**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-02-01	**14-12-1129-3-A**	**12/10/14 14:45**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 18:37**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-02-05	**14-12-1129-4-A**	**12/10/14 15:15**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 18:52**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-03-01	**14-12-1129-5-A**	**12/10/14 13:00**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 19:07**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-03-05	**14-12-1129-6-A**	**12/10/14 13:15**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 19:23**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-04-01	**14-12-1129-7-A**	**12/11/14 08:30**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 19:38**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-04-05	**14-12-1129-8-A**	**12/11/14 08:45**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 19:53**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-05-01	**14-12-1129-9-A**	**12/11/14 09:05**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 20:08**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-05-05	**14-12-1129-10-A**	**12/11/14 09:20**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 20:23**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-06-01	**14-12-1129-11-A**	**12/11/14 09:50**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 20:38**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-06-05	**14-12-1129-12-A**	**12/11/14 10:05**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 20:53**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-07-01	**14-12-1129-13-A**	**12/11/14 10:15**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 21:08**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-07-05	**14-12-1129-14-A**	**12/11/14 10:30**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 21:23**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-08-01	**14-12-1129-15-A**	**12/11/14 10:45**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 21:38**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-08-05	**14-12-1129-16-A**	**12/11/14 11:00**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 21:53**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-09-01	**14-12-1129-17-A**	**12/11/14 11:10**	**Solid**	**GC 41**	**12/15/14**	**12/18/14 08:58**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	25	5.0	1.00	
4,4'-DDE	38	5.0	1.00	
4,4'-DDT	15	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	5.6	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-09-05	**14-12-1129-18-A**	**12/11/14 11:20**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 22:09**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.2	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	5.7	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-10-01	**14-12-1129-19-A**	**12/11/14 11:35**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 22:24**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-10-05	**14-12-1129-20-A**	**12/11/14 11:50**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 22:39**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.6	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-11-01	**14-12-1129-21-A**	**12/11/14 12:05**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 12:25**	**141215L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-11-05	**14-12-1129-22-A**	**12/11/14 12:20**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 15:41**	**141215L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-12-01	**14-12-1129-23-A**	**12/11/14 12:30**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 15:56**	**141215L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	6.4	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-12-05	**14-12-1129-24-A**	**12/11/14 12:40**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 16:11**	**141215L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1933**	**N/A**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 11:39**	**141215L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1935**	**N/A**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 16:27**	**141215L20**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-01-01	**14-12-1129-1-A**	**12/10/14 14:00**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 19:47**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	87	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-01-05	**14-12-1129-2-A**	**12/10/14 14:15**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 20:31**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	92	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-02-01	**14-12-1129-3-A**	**12/10/14 14:45**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 21:15**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	72	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-02-05	**14-12-1129-4-A**	**12/10/14 15:15**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 21:59**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	67	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-03-01	**14-12-1129-5-A**	**12/10/14 13:00**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 22:43**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	76	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-03-05	**14-12-1129-6-A**	**12/10/14 13:15**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 23:27**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	76	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-04-01	**14-12-1129-7-A**	**12/11/14 08:30**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 00:12**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	58	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-04-05	**14-12-1129-8-A**	**12/11/14 08:45**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 00:56**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	34	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-05-01	**14-12-1129-9-A**	**12/11/14 09:05**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 01:40**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	76	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-05-05	**14-12-1129-10-A**	**12/11/14 09:20**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 02:24**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	49	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-06-01	**14-12-1129-11-A**	**12/11/14 09:50**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 03:08**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	65	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-06-05	**14-12-1129-12-A**	**12/11/14 10:05**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 03:52**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	61	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-07-01	**14-12-1129-13-A**	**12/11/14 10:15**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 01:18**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	69	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-07-05	**14-12-1129-14-A**	**12/11/14 10:30**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 02:02**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	94	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-08-01	**14-12-1129-15-A**	**12/11/14 10:45**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 02:46**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	75	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-08-05	**14-12-1129-16-A**	**12/11/14 11:00**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 03:30**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	58	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-09-01	**14-12-1129-17-A**	**12/11/14 11:10**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 04:14**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	56	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-09-05	**14-12-1129-18-A**	**12/11/14 11:20**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 04:59**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	57	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-10-01	**14-12-1129-19-A**	**12/11/14 11:35**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 05:43**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	81	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-10-05	**14-12-1129-20-A**	**12/11/14 11:50**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 06:27**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	58	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-11-01	**14-12-1129-21-A**	**12/11/14 12:05**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 21:47**	**141216L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	52	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-11-05	**14-12-1129-22-A**	**12/11/14 12:20**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 22:33**	**141216L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	45	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-12-01	**14-12-1129-23-A**	**12/11/14 12:30**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 23:19**	**141216L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	68	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-12-05	**14-12-1129-24-A**	**12/11/14 12:40**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 18:44**	**141216L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	70	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-133**	**N/A**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 18:19**	**141216L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	136	30-130	7

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 26

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-131**	**N/A**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 14:55**	**141216L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	102	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-01-01	**14-12-1129-1-A**	**12/10/14 14:00**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 19:33**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

Ba-01-05	**14-12-1129-2-A**	**12/10/14 14:15**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 19:56**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	65	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-02-01	**14-12-1129-3-A**	**12/10/14 14:45**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 20:19**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	67	30-130	

Ba-02-05	**14-12-1129-4-A**	**12/10/14 15:15**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 20:43**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-03-01	**14-12-1129-5-A**	**12/10/14 13:00**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 21:06**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	80	30-130	

Ba-03-05	**14-12-1129-6-A**	**12/10/14 13:15**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 21:29**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	64	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-04-01	**14-12-1129-7-A**	**12/11/14 08:30**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 21:52**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	65	30-130	

Ba-04-05	**14-12-1129-8-A**	**12/11/14 08:45**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 22:15**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	68	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-05-01	**14-12-1129-9-A**	**12/11/14 09:05**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 22:38**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	60	30-130	

Ba-05-05	**14-12-1129-10-A**	**12/11/14 09:20**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 23:01**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	67	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-06-01	**14-12-1129-11-A**	**12/11/14 09:50**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 23:25**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

Ba-06-05	**14-12-1129-12-A**	**12/11/14 10:05**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 23:48**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-07-01	**14-12-1129-13-A**	**12/11/14 10:15**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 00:11**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	70	30-130	

Ba-07-05	**14-12-1129-14-A**	**12/11/14 10:30**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 00:34**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	71	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-08-01	**14-12-1129-15-A**	**12/11/14 10:45**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 00:57**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

Ba-08-05	**14-12-1129-16-A**	**12/11/14 11:00**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 01:20**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	70	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-09-01	**14-12-1129-17-A**	**12/11/14 11:10**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 01:44**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	67	30-130	

Ba-09-05	**14-12-1129-18-A**	**12/11/14 11:20**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 09:51**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-10-01	**14-12-1129-19-A**	**12/11/14 11:35**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 10:14**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

Ba-10-05	**14-12-1129-20-A**	**12/11/14 11:50**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 10:37**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	71	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-11-01	**14-12-1129-21-A**	**12/11/14 12:05**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 21:22**	**141216L02**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	83	30-130	

Ba-11-05	**14-12-1129-22-A**	**12/11/14 12:20**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 21:45**	**141216L02**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	69	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-12-01	**14-12-1129-23-A**	**12/11/14 12:30**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 22:08**	**141216L02**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	68	30-130	

Ba-12-05	**14-12-1129-24-A**	**12/11/14 12:40**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 22:31**	**141216L02**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	75	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-033-1245**	**N/A**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 19:10**	**141216L01**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	91	30-130	

Method Blank	**095-01-033-1243**	**N/A**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 13:41**	**141216L02**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-11-01	**Sample**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 12:25**	**141215S13**
Ba-11-01	**Matrix Spike**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 11:55**	**141215S13**
Ba-11-01	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 12:10**	**141215S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	18.69	75	18.66	75	50-135	0	0-25	
Alpha-BHC	ND	25.00	19.59	78	18.10	72	50-135	8	0-25	
Beta-BHC	ND	25.00	17.27	69	20.53	82	50-135	17	0-25	
4,4'-DDD	ND	25.00	20.71	83	21.26	85	50-135	3	0-25	
4,4'-DDE	ND	25.00	21.11	84	21.20	85	50-135	0	0-25	
4,4'-DDT	ND	25.00	21.98	88	21.84	87	50-135	1	0-25	
Delta-BHC	ND	25.00	20.10	80	20.00	80	50-135	0	0-25	
Dieldrin	ND	25.00	19.50	78	20.04	80	50-135	3	0-25	
Endosulfan I	ND	25.00	18.85	75	19.02	76	50-135	1	0-25	
Endosulfan II	ND	25.00	21.08	84	21.66	87	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	21.10	84	21.57	86	50-135	2	0-25	
Endrin	ND	25.00	21.76	87	20.81	83	50-135	5	0-25	
Endrin Aldehyde	ND	25.00	19.10	76	20.15	81	50-135	5	0-25	
Gamma-BHC	ND	25.00	20.50	82	18.99	76	50-135	8	0-25	
Heptachlor	ND	25.00	20.24	81	19.69	79	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	16.64	67	17.89	72	50-135	7	0-25	
Methoxychlor	ND	25.00	22.41	90	22.56	90	50-135	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-02-01	**Sample**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 18:37**	**141215S20**
Ba-02-01	**Matrix Spike**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 18:07**	**141215S20**
Ba-02-01	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 18:22**	**141215S20**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	20.85	83	20.13	81	50-135	4	0-25	
Alpha-BHC	ND	25.00	22.54	90	20.71	83	50-135	8	0-25	
Beta-BHC	ND	25.00	19.12	76	17.89	72	50-135	7	0-25	
4,4'-DDD	ND	25.00	24.72	99	21.95	88	50-135	12	0-25	
4,4'-DDE	ND	25.00	23.84	95	22.00	88	50-135	8	0-25	
4,4'-DDT	ND	25.00	25.87	103	23.41	94	50-135	10	0-25	
Delta-BHC	ND	25.00	22.77	91	21.01	84	50-135	8	0-25	
Dieldrin	ND	25.00	21.98	88	20.26	81	50-135	8	0-25	
Endosulfan I	ND	25.00	20.62	82	18.90	76	50-135	9	0-25	
Endosulfan II	ND	25.00	23.18	93	21.39	86	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	23.56	94	21.52	86	50-135	9	0-25	
Endrin	ND	25.00	24.76	99	23.04	92	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	21.48	86	19.69	79	50-135	9	0-25	
Gamma-BHC	ND	25.00	23.65	95	22.21	89	50-135	6	0-25	
Heptachlor	ND	25.00	23.21	93	21.45	86	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	19.84	79	18.24	73	50-135	8	0-25	
Methoxychlor	ND	25.00	24.94	100	22.76	91	50-135	9	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-03-01	**Sample**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 22:43**	**141216S12**
Ba-03-01	**Matrix Spike**	**Solid**	**GC 26**	**12/16/14**	**12/18/14 23:50**	**141216S12**
Ba-03-01	**Matrix Spike Duplicate**	**Solid**	**GC 26**	**12/16/14**	**12/19/14 00:34**	**141216S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	4.475	112	4.025	101	30-130	11	0-30	
Bolstar	ND	4.000	4.767	119	4.649	116	30-130	3	0-30	
Chlorpyrifos	ND	4.000	4.490	112	4.428	111	30-130	1	0-30	
Coumaphos	ND	4.000	4.538	113	4.148	104	30-130	9	0-30	
Diazinon	ND	4.000	3.368	84	3.103	78	30-130	8	0-30	
Disulfoton	ND	4.000	5.176	129	4.850	121	30-130	7	0-30	
Ethoprop	ND	4.000	3.956	99	3.367	84	30-130	16	0-30	
Fensulfothion	ND	4.000	3.560	89	1.987	50	30-130	57	0-30	4
Fenthion	ND	4.000	4.700	118	4.618	115	30-130	2	0-30	
Merphos	ND	4.000	4.034	101	3.850	96	30-130	5	0-30	
Methyl Parathion	ND	4.000	4.816	120	4.691	117	30-130	3	0-30	
Phorate	ND	4.000	4.383	110	4.360	109	30-130	1	0-30	
Ronnel	ND	4.000	4.511	113	4.401	110	30-130	2	0-30	
Stirophos	ND	4.000	3.708	93	3.195	80	30-130	15	0-30	
Tokuthion	ND	4.000	4.518	113	4.393	110	30-130	3	0-30	
Trichloronate	ND	4.000	4.402	110	4.281	107	30-130	3	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-12-05	**Sample**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 18:44**	**141216S13**
Ba-12-05	**Matrix Spike**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 19:30**	**141216S13**
Ba-12-05	**Matrix Spike Duplicate**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 20:15**	**141216S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	3.104	78	2.829	71	30-130	9	0-30	
Bolstar	ND	4.000	3.449	86	3.178	79	30-130	8	0-30	
Chlorpyrifos	ND	4.000	3.116	78	2.898	72	30-130	7	0-30	
Coumaphos	ND	4.000	3.336	83	3.009	75	30-130	10	0-30	
Diazinon	ND	4.000	2.798	70	2.470	62	30-130	12	0-30	
Disulfoton	ND	4.000	3.216	80	2.964	74	30-130	8	0-30	
Ethoprop	ND	4.000	2.936	73	2.603	65	30-130	12	0-30	
Fensulfothion	ND	4.000	2.691	67	2.337	58	30-130	14	0-30	
Fenthion	ND	4.000	3.200	80	2.965	74	30-130	8	0-30	
Merphos	ND	4.000	3.218	80	2.926	73	30-130	10	0-30	
Methyl Parathion	ND	4.000	3.109	78	2.878	72	30-130	8	0-30	
Phorate	ND	4.000	3.084	77	2.799	70	30-130	10	0-30	
Ronnel	ND	4.000	3.120	78	2.827	71	30-130	10	0-30	
Stirophos	ND	4.000	2.772	69	2.452	61	30-130	12	0-30	
Tokuthion	ND	4.000	3.383	85	3.120	78	30-130	8	0-30	
Trichloronate	ND	4.000	3.148	79	2.915	73	30-130	8	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-03-01	**Sample**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 21:06**	**141216S01**
Ba-03-01	**Matrix Spike**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 11:00**	**141216S01**
Ba-03-01	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**12/16/14**	**12/23/14 11:23**	**141216S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	283.4	71	289.2	72	30-130	2	0-30	
2,4,5-T	ND	40.00	32.40	81	33.10	83	30-130	2	0-30	
2,4-DB	ND	400.0	309.6	77	316.2	79	30-130	2	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-0975-3	**Sample**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 15:37**	**141216S02**
14-12-0975-3	**Matrix Spike**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 16:23**	**141216S02**
14-12-0975-3	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 16:46**	**141216S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	268.4	67	287.7	72	30-130	7	0-30	
2,4,5-T	ND	40.00	29.50	74	31.80	80	30-130	8	0-30	
2,4-DB	ND	400.0	277.6	69	305.2	76	30-130	9	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1933	**LCS**	**Solid**	**GC 41**	**12/15/14**	**12/16/14 18:55**	**141215L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	18.96	76	50-135	36-149	
Alpha-BHC	25.00	19.03	76	50-135	36-149	
Beta-BHC	25.00	17.06	68	50-135	36-149	
4,4'-DDD	25.00	20.24	81	50-135	36-149	
4,4'-DDE	25.00	20.56	82	50-135	36-149	
4,4'-DDT	25.00	21.76	87	50-135	36-149	
Delta-BHC	25.00	19.81	79	50-135	36-149	
Dieldrin	25.00	19.95	80	50-135	36-149	
Endosulfan I	25.00	18.40	74	50-135	36-149	
Endosulfan II	25.00	22.31	89	50-135	36-149	
Endosulfan Sulfate	25.00	22.72	91	50-135	36-149	
Endrin	25.00	20.96	84	50-135	36-149	
Endrin Aldehyde	25.00	20.41	82	50-135	36-149	
Gamma-BHC	25.00	20.56	82	50-135	36-149	
Heptachlor	25.00	20.45	82	50-135	36-149	
Heptachlor Epoxide	25.00	16.90	68	50-135	36-149	
Methoxychlor	25.00	23.32	93	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1935	**LCS**	**Solid**	**GC 41**	**12/15/14**	**12/17/14 17:52**	**141215L20**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.49	82	50-135	36-149	
Alpha-BHC	25.00	21.96	88	50-135	36-149	
Beta-BHC	25.00	18.34	73	50-135	36-149	
4,4'-DDD	25.00	21.27	85	50-135	36-149	
4,4'-DDE	25.00	21.45	86	50-135	36-149	
4,4'-DDT	25.00	22.80	91	50-135	36-149	
Delta-BHC	25.00	21.66	87	50-135	36-149	
Dieldrin	25.00	21.05	84	50-135	36-149	
Endosulfan I	25.00	19.35	77	50-135	36-149	
Endosulfan II	25.00	22.96	92	50-135	36-149	
Endosulfan Sulfate	25.00	23.28	93	50-135	36-149	
Endrin	25.00	21.98	88	50-135	36-149	
Endrin Aldehyde	25.00	21.50	86	50-135	36-149	
Gamma-BHC	25.00	22.97	92	50-135	36-149	
Heptachlor	25.00	22.23	89	50-135	36-149	
Heptachlor Epoxide	25.00	17.54	70	50-135	36-149	
Methoxychlor	25.00	23.79	95	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-133	**LCS**	**Solid**	**GC 26**	**12/16/14**	**12/17/14 19:03**	**141216L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	4.716	118	30-130	13-147	
Bolstar	4.000	4.575	114	30-130	13-147	
Chlorpyrifos	4.000	4.163	104	30-130	13-147	
Coumaphos	4.000	4.665	117	30-130	13-147	
Diazinon	4.000	5.327	133	30-130	13-147	ME
Disulfoton	4.000	4.495	112	30-130	13-147	
Ethoprop	4.000	4.668	117	30-130	13-147	
Fensulfothion	4.000	4.482	112	30-130	13-147	
Fenthion	4.000	4.687	117	30-130	13-147	
Merphos	4.000	4.069	102	30-130	13-147	
Methyl Parathion	4.000	4.870	122	30-130	13-147	
Phorate	4.000	4.504	113	30-130	13-147	
Ronnel	4.000	4.371	109	30-130	13-147	
Stirophos	4.000	2.999	75	30-130	13-147	
Tokuthion	4.000	4.059	101	30-130	13-147	
Trichloronate	4.000	4.117	103	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-131	**LCS**	**Solid**	**GC 35**	**12/16/14**	**12/18/14 21:01**	**141216L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	2.974	74	30-130	13-147	
Bolstar	4.000	3.189	80	30-130	13-147	
Chlorpyrifos	4.000	2.951	74	30-130	13-147	
Coumaphos	4.000	3.013	75	30-130	13-147	
Diazinon	4.000	3.346	84	30-130	13-147	
Disulfoton	4.000	3.347	84	30-130	13-147	
Ethoprop	4.000	3.341	84	30-130	13-147	
Fensulfothion	4.000	3.035	76	30-130	13-147	
Fenthion	4.000	3.133	78	30-130	13-147	
Merphos	4.000	2.832	71	30-130	13-147	
Methyl Parathion	4.000	3.153	79	30-130	13-147	
Phorate	4.000	3.300	82	30-130	13-147	
Ronnel	4.000	3.095	77	30-130	13-147	
Stirophos	4.000	2.397	60	30-130	13-147	
Tokuthion	4.000	3.133	78	30-130	13-147	
Trichloronate	4.000	3.002	75	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1245	**LCS**	**Solid**	**GC 40**	**12/16/14**	**12/22/14 18:47**	**141216L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	327.2	82	30-130	
2,4,5-T	40.00	42.70	107	30-130	
2,4-DB	400.0	365.9	91	30-130	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/11/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1129
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1243	**LCS**	**Solid**	**GC 40**	**12/16/14**	**12/18/14 16:00**	**141216L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	268.1	67	30-130	
2,4,5-T	40.00	30.10	75	30-130	
2,4-DB	400.0	291.4	73	30-130	

RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-12-1129

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 12/11/14
PAGE: 1 OF 3

WO NO. / LAB USE ONLY: **14-12-1129**

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N. Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9969 x110 E-MAIL: rfrizzell@gcenvironmental.com

CLIENT PROJECT NAME / NO.: ET (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Robards
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) O-Chlor	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Phos Pesticide (8141)	Herbicide (8151)		
1	Ba-01-01	12/10/14	1400	Soil	1													X					X	X		
2	Ba-01-05	12/10/14	1415															X					X	X		
3	Ba-02-01	12/10/14	1445															X					X	X		
4	Ba-02-05	12/10/14	1515															X					X	X		
5	Ba-03-01	12/10/14	1300															X					X	X		
6	Ba-03-05	12/10/14	1315															X					X	X		
7	Ba-04-01	12/10/14	0830															X					X	X		
8	Ba-04-05	12/11/14	0845															X					X	X		
9	Ba-05-01	12/11/14	0905															X					X	X		
10	Ba-05-05	12/11/14	0920															X					X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danielle ETI	Date: 12/11/14	Time: 15:33
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 12/11/14
PAGE: 2 OF 3

WO NO. / LAB USE ONLY: 14-12-1129

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9969 x110
E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EJ (Bowston) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell / Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) O-Chlor	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Phos Pesticide (8141)	Herbicide (8151)		
11	Ba-06-01	12/11/14	0950	Soil	1													X					X	X		
12	Ba-06-05		1005															X					X	X		
13	Ba-07-01		1015															X					X	X		
14	Ba-07-05		1030															X					X	X		
15	Ba-08-01		1045															X					X	X		
16	Ba-08-05		1100															X					X	X		
17	Ba-09-01		1110															X					X	X		
18	Ba-09-05		1120															X					X	X		
19	Ba-10-01		1135															X					X	X		
20	Ba-10-05		1150															X					X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Danny Le EEI	12/11/14	15:33
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 12/11/14
PAGE: 3 OF 3

WO NO. / LAB USE ONLY: 14-12-1129

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell | Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) O-Chlor	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Phos Pesticide (8141)	Herbicide (8151)		
21	Ba-11-01	12/11/14	1205	Soil	1													X					X	X		
22	Ba-11-05	↓	1220	↓	↓													X					X	X		
23	Ba-12-01		1230															X					X	X		
24	Ba-12-05		1240															X					X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Danielle GCE	12/11/14	15:33
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER #: 14-12-1129

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GC Envl, Inc.

DATE: 12/11/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.6 °C - 0.2 °C (CF) = 4.4 °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 689

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 689

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 965

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 689

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 689

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WORK ORDER NUMBER: 15-01-0373

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Richard Frizzell
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 01/20/2015 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-01-0373

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Work Order Narrative

Work Order: 15-01-0373 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/08/15. They were assigned to Work Order 15-01-0373.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	15-01-0373
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	01/08/15 14:49
		Number of Containers:	12
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Ba-13-01	15-01-0373-1	01/07/15 13:35	1	Solid
Ba-13-05	15-01-0373-2	01/07/15 13:45	1	Solid
Ba-14-01	15-01-0373-3	01/07/15 15:05	1	Solid
Ba-14-05	15-01-0373-4	01/07/15 15:15	1	Solid
Ba-15-01	15-01-0373-5	01/07/15 15:35	1	Solid
Ba-15-05	15-01-0373-6	01/07/15 15:45	1	Solid
Ba-16-01	15-01-0373-7	01/07/15 15:55	1	Solid
Ba-16-05	15-01-0373-8	01/07/15 16:10	1	Solid
Bc-04-01	15-01-0373-9	01/07/15 14:20	1	Solid
Bc-04-05	15-01-0373-10	01/07/15 14:30	1	Solid
Bc-05-01	15-01-0373-11	01/07/15 14:05	1	Solid
Bc-05-05	15-01-0373-12	01/07/15 14:10	1	Solid

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-01	**15-01-0373-9-A**	**01/07/15 14:20**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-05	**15-01-0373-10-A**	**01/07/15 14:30**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-01	**15-01-0373-11-A**	**01/07/15 14:05**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-05	**15-01-0373-12-A**	**01/07/15 14:10**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-015-2049**	**N/A**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-01	**15-01-0373-9-A**	**01/07/15 14:20**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 06:35**	**150109B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-05	**15-01-0373-10-A**	**01/07/15 14:30**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 06:53**	**150109B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	67	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-01	**15-01-0373-11-A**	**01/07/15 14:05**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 07:10**	**150109B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	65	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-05	**15-01-0373-12-A**	**01/07/15 14:10**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 07:28**	**150109B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1354**	**N/A**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 05:25**	**150109B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-01	**15-01-0373-9-A**	**01/07/15 14:20**	**Solid**	**GC 57**	**01/08/15**	**01/10/15 08:08**	**150109L033**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	65	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-05	**15-01-0373-10-A**	**01/07/15 14:30**	**Solid**	**GC 57**	**01/08/15**	**01/10/15 08:40**	**150109L033**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	106	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-01	**15-01-0373-11-A**	**01/07/15 14:05**	**Solid**	**GC 57**	**01/08/15**	**01/10/15 09:11**	**150109L033**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	67	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-05	**15-01-0373-12-A**	**01/07/15 14:10**	**Solid**	**GC 57**	**01/08/15**	**01/10/15 09:43**	**150109L033**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	75	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-2067**	**N/A**	**Solid**	**GC 57**	**01/09/15**	**01/10/15 06:02**	**150109L033**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	75	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-13-01	**15-01-0373-1-A**	**01/07/15 13:35**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 11:52**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-13-05	**15-01-0373-2-A**	**01/07/15 13:45**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 12:06**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-14-01	**15-01-0373-3-A**	**01/07/15 15:05**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 12:43**	**150114L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-14-05	**15-01-0373-4-A**	**01/07/15 15:15**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 12:35**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-15-01	**15-01-0373-5-A**	**01/07/15 15:35**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 14:15**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-15-05	**15-01-0373-6-A**	**01/07/15 15:45**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 14:29**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	61	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-16-01	**15-01-0373-7-A**	**01/07/15 15:55**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 15:56**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-16-05	**15-01-0373-8-A**	**01/07/15 16:10**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 16:10**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1986**	**N/A**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 11:09**	**150113L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1987**	**N/A**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 10:49**	**150114L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-13-01	**15-01-0373-1-A**	**01/07/15 13:35**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 03:58**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	32	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-13-05	**15-01-0373-2-A**	**01/07/15 13:45**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 04:42**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	50	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-14-01	**15-01-0373-3-A**	**01/07/15 15:05**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 05:26**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	57	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-14-05	**15-01-0373-4-A**	**01/07/15 15:15**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 06:10**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	32	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-15-01	**15-01-0373-5-A**	**01/07/15 15:35**	**Solid**	**GC 26**	**01/12/15**	**01/17/15 00:35**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	53	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-15-05	**15-01-0373-6-A**	**01/07/15 15:45**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 07:39**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	46	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-16-01	**15-01-0373-7-A**	**01/07/15 15:55**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 08:23**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	57	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-16-05	**15-01-0373-8-A**	**01/07/15 16:10**	**Solid**	**GC 26**	**01/12/15**	**01/17/15 01:19**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	87	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-152**	**N/A**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 00:17**	**150112L27**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	119	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-13-01	**15-01-0373-1-A**	**01/07/15 13:35**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 12:04**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

Ba-13-05	**15-01-0373-2-A**	**01/07/15 13:45**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 12:27**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	60	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-14-01	**15-01-0373-3-A**	**01/07/15 15:05**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 12:50**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	69	30-130	

Ba-14-05	**15-01-0373-4-A**	**01/07/15 15:15**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 13:13**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	61	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-15-01	**15-01-0373-5-A**	**01/07/15 15:35**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 13:37**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	56	30-130	

Ba-15-05	**15-01-0373-6-A**	**01/07/15 15:45**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 14:00**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	75	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ba-16-01	**15-01-0373-7-A**	**01/07/15 15:55**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 14:23**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	63	30-130	

Ba-16-05	**15-01-0373-8-A**	**01/07/15 16:10**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 14:46**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	63	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-033-1261**	**N/A**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 01:45**	**150109L13**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	74	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-01	**15-01-0373-9-A**	**01/07/15 14:20**	**Solid**	**GC/MS RR**	**01/08/15**	**01/09/15 15:37**	**150109L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-132	
Dibromofluoromethane	104	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-04-05	**15-01-0373-10-A**	**01/07/15 14:30**	**Solid**	**GC/MS RR**	**01/08/15**	**01/09/15 16:04**	**150109L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	106	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-01	**15-01-0373-11-A**	**01/07/15 14:05**	**Solid**	**GC/MS RR**	**01/08/15**	**01/09/15 16:32**	**150109L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	109	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-05-05	**15-01-0373-12-A**	**01/07/15 14:10**	**Solid**	**GC/MS RR**	**01/08/15**	**01/09/15 16:59**	**150109L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	108	63-141	
1,2-Dichloroethane-d4	109	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9259**	**N/A**	**Solid**	**GC/MS RR**	**01/09/15**	**01/09/15 12:53**	**150109L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-04-01	**Sample**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114S01**
Bc-04-01	**Matrix Spike**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114S01**
Bc-04-01	**Matrix Spike Duplicate**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TRPH	ND	100.0	106.5	106	102.8	103	55-135	3	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-04-01	**Sample**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 06:35**	**150109S13**
Bc-04-01	**Matrix Spike**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 06:00**	**150109S13**
Bc-04-01	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 06:18**	**150109S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	392.8	98	406.7	102	64-130	3	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0409-1	**Sample**	**Solid**	**GC 57**	**01/09/15**	**01/10/15 06:33**	**150109S020**
15-01-0409-1	**Matrix Spike**	**Solid**	**GC 57**	**01/09/15**	**01/10/15 07:05**	**150109S020**
15-01-0409-1	**Matrix Spike Duplicate**	**Solid**	**GC 57**	**01/09/15**	**01/10/15 07:37**	**150109S020**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	6.946	69	7.541	75	48-114	8	0-23	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-15-01	**Sample**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 14:15**	**150113S06**
Ba-15-01	**Matrix Spike**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 11:23**	**150113S06**
Ba-15-01	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 11:38**	**150113S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	21.07	84	20.76	83	50-135	1	0-25	
Alpha-BHC	ND	25.00	21.00	84	21.06	84	50-135	0	0-25	
Beta-BHC	ND	25.00	19.34	77	19.56	78	50-135	1	0-25	
4,4'-DDD	ND	25.00	24.54	98	24.90	100	50-135	1	0-25	
4,4'-DDE	ND	25.00	20.45	82	20.28	81	50-135	1	0-25	
4,4'-DDT	ND	25.00	12.87	51	11.56	46	50-135	11	0-25	3
Delta-BHC	ND	25.00	20.28	81	20.02	80	50-135	1	0-25	
Dieldrin	ND	25.00	21.17	85	21.12	84	50-135	0	0-25	
Endosulfan I	ND	25.00	20.23	81	20.20	81	50-135	0	0-25	
Endosulfan II	ND	25.00	21.30	85	20.99	84	50-135	1	0-25	
Endosulfan Sulfate	ND	25.00	19.66	79	19.17	77	50-135	3	0-25	
Endrin	ND	25.00	20.34	81	19.94	80	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	20.96	84	20.53	82	50-135	2	0-25	
Gamma-BHC	ND	25.00	21.00	84	21.01	84	50-135	0	0-25	
Heptachlor	ND	25.00	19.50	78	18.96	76	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	20.10	80	19.81	79	50-135	1	0-25	
Methoxychlor	ND	25.00	12.13	49	10.88	44	50-135	11	0-25	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0713-1	**Sample**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 11:32**	**150114S11**
15-01-0713-1	**Matrix Spike**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 11:03**	**150114S11**
15-01-0713-1	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 11:17**	**150114S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	21.87	87	19.91	80	50-135	9	0-25	
Alpha-BHC	ND	25.00	21.94	88	19.59	78	50-135	11	0-25	
Beta-BHC	ND	25.00	21.51	86	19.76	79	50-135	8	0-25	
4,4'-DDD	ND	25.00	21.98	88	20.21	81	50-135	8	0-25	
4,4'-DDE	ND	25.00	21.20	85	20.04	80	50-135	6	0-25	
4,4'-DDT	ND	25.00	22.06	88	20.19	81	50-135	9	0-25	
Delta-BHC	ND	25.00	21.85	87	19.91	80	50-135	9	0-25	
Dieldrin	ND	25.00	21.97	88	20.10	80	50-135	9	0-25	
Endosulfan I	ND	25.00	23.19	93	20.76	83	50-135	11	0-25	
Endosulfan II	ND	25.00	24.13	97	21.49	86	50-135	12	0-25	
Endosulfan Sulfate	ND	25.00	23.06	92	20.53	82	50-135	12	0-25	
Endrin	ND	25.00	22.74	91	20.65	83	50-135	10	0-25	
Endrin Aldehyde	ND	25.00	22.52	90	18.71	75	50-135	18	0-25	
Gamma-BHC	ND	25.00	22.78	91	20.62	82	50-135	10	0-25	
Heptachlor	ND	25.00	22.95	92	20.95	84	50-135	9	0-25	
Heptachlor Epoxide	ND	25.00	21.15	85	18.95	76	50-135	11	0-25	
Methoxychlor	ND	25.00	23.43	94	21.10	84	50-135	10	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Ba-15-01	**Sample**	**Solid**	**GC 26**	**01/12/15**	**01/17/15 00:35**	**150112S27**
Ba-15-01	**Matrix Spike**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 01:46**	**150112S27**
Ba-15-01	**Matrix Spike Duplicate**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 02:30**	**150112S27**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	3.483	87	3.533	88	30-130	1	0-30	
Bolstar	ND	4.000	3.797	95	3.831	96	30-130	1	0-30	
Chlorpyrifos	ND	4.000	3.762	94	3.810	95	30-130	1	0-30	
Coumaphos	ND	4.000	3.635	91	3.669	92	30-130	1	0-30	
Diazinon	ND	4.000	3.079	77	3.167	79	30-130	3	0-30	
Disulfoton	ND	4.000	4.102	103	4.231	106	30-130	3	0-30	
Ethoprop	ND	4.000	3.321	83	3.442	86	30-130	4	0-30	
Fensulfothion	ND	4.000	1.588	40	2.305	58	30-130	37	0-30	4
Fenthion	ND	4.000	3.849	96	3.874	97	30-130	1	0-30	
Merphos	ND	4.000	4.185	105	4.298	107	30-130	3	0-30	
Methyl Parathion	ND	4.000	3.943	99	3.949	99	30-130	0	0-30	
Phorate	ND	4.000	4.184	105	4.238	106	30-130	1	0-30	
Ronnel	ND	4.000	3.840	96	3.892	97	30-130	1	0-30	
Stirophos	ND	4.000	1.731	43	1.878	47	30-130	8	0-30	
Tokuthion	ND	4.000	3.744	94	3.778	94	30-130	1	0-30	
Trichloronate	ND	4.000	3.760	94	3.810	95	30-130	1	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0254-1	**Sample**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 02:31**	**150109S13**
15-01-0254-1	**Matrix Spike**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 15:09**	**150109S13**
15-01-0254-1	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 15:32**	**150109S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	314.7	79	290.5	73	30-130	8	0-30	
2,4,5-T	ND	40.00	35.10	88	32.00	80	30-130	9	0-30	
2,4-DB	ND	400.0	314.8	79	297.6	74	30-130	6	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0409-1	**Sample**	**Solid**	**GC/MS RR**	**01/09/15**	**01/09/15 13:48**	**150109S010**
15-01-0409-1	**Matrix Spike**	**Solid**	**GC/MS RR**	**01/09/15**	**01/09/15 14:15**	**150109S010**
15-01-0409-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS RR**	**01/09/15**	**01/09/15 14:42**	**150109S010**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.83	98	52.85	106	61-127	8	0-20	
Carbon Tetrachloride	ND	50.00	48.13	96	52.27	105	51-135	8	0-29	
Chlorobenzene	ND	50.00	46.82	94	49.95	100	57-123	6	0-20	
1,2-Dibromoethane	ND	50.00	46.85	94	49.76	100	64-124	6	0-20	
1,2-Dichlorobenzene	ND	50.00	44.34	89	47.41	95	35-131	7	0-25	
1,2-Dichloroethane	ND	50.00	47.79	96	51.16	102	80-120	7	0-20	
1,1-Dichloroethene	ND	50.00	43.72	87	46.66	93	47-143	7	0-25	
Ethylbenzene	ND	50.00	47.79	96	51.39	103	57-129	7	0-22	
Toluene	ND	50.00	48.07	96	51.59	103	63-123	7	0-20	
Trichloroethene	ND	50.00	44.30	89	47.74	95	44-158	7	0-20	
Vinyl Chloride	ND	50.00	46.86	94	48.20	96	49-139	3	0-47	
p/m-Xylene	ND	100.0	94.14	94	100.8	101	70-130	7	0-30	
o-Xylene	ND	50.00	47.96	96	50.92	102	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.84	86	49.72	99	57-123	15	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-015-2049	**LCS**	**Solid**	**IR 2**	**01/14/15**	**01/14/15 10:54**	**150114L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TRPH	100.0	99.66	100	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1354	**LCS**	**Solid**	**GC 46**	**01/09/15**	**01/13/15 05:43**	**150109B13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	446.7	112	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-2067	**LCS**	**Solid**	**GC 57**	**01/09/15**	**01/10/15 04:59**	**150109L033**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	8.569	86	70-124	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1986	**LCS**	**Solid**	**GC 44**	**01/13/15**	**01/14/15 10:55**	**150113L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.37	81	50-135	36-149	
Alpha-BHC	25.00	20.54	82	50-135	36-149	
Beta-BHC	25.00	19.51	78	50-135	36-149	
4,4'-DDD	25.00	25.18	101	50-135	36-149	
4,4'-DDE	25.00	20.17	81	50-135	36-149	
4,4'-DDT	25.00	14.36	57	50-135	36-149	
Delta-BHC	25.00	19.99	80	50-135	36-149	
Dieldrin	25.00	21.75	87	50-135	36-149	
Endosulfan I	25.00	20.11	80	50-135	36-149	
Endosulfan II	25.00	22.41	90	50-135	36-149	
Endosulfan Sulfate	25.00	21.53	86	50-135	36-149	
Endrin	25.00	19.74	79	50-135	36-149	
Endrin Aldehyde	25.00	23.42	94	50-135	36-149	
Gamma-BHC	25.00	20.45	82	50-135	36-149	
Heptachlor	25.00	18.80	75	50-135	36-149	
Heptachlor Epoxide	25.00	20.15	81	50-135	36-149	
Methoxychlor	25.00	13.34	53	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1987	**LCS**	**Solid**	**GC 44**	**01/14/15**	**01/15/15 10:35**	**150114L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	22.59	90	50-135	36-149	
Alpha-BHC	25.00	22.15	89	50-135	36-149	
Beta-BHC	25.00	22.20	89	50-135	36-149	
4,4'-DDD	25.00	22.53	90	50-135	36-149	
4,4'-DDE	25.00	21.69	87	50-135	36-149	
4,4'-DDT	25.00	22.57	90	50-135	36-149	
Delta-BHC	25.00	22.05	88	50-135	36-149	
Dieldrin	25.00	23.51	94	50-135	36-149	
Endosulfan I	25.00	23.93	96	50-135	36-149	
Endosulfan II	25.00	24.76	99	50-135	36-149	
Endosulfan Sulfate	25.00	23.44	94	50-135	36-149	
Endrin	25.00	22.96	92	50-135	36-149	
Endrin Aldehyde	25.00	23.94	96	50-135	36-149	
Gamma-BHC	25.00	23.03	92	50-135	36-149	
Heptachlor	25.00	23.69	95	50-135	36-149	
Heptachlor Epoxide	25.00	21.35	85	50-135	36-149	
Methoxychlor	25.00	23.88	96	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-152	**LCS**	**Solid**	**GC 26**	**01/12/15**	**01/16/15 01:02**	**150112L27**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	3.849	96	30-130	13-147	
Bolstar	4.000	3.953	99	30-130	13-147	
Chlorpyrifos	4.000	3.821	96	30-130	13-147	
Coumaphos	4.000	3.857	96	30-130	13-147	
Diazinon	4.000	4.084	102	30-130	13-147	
Disulfoton	4.000	4.160	104	30-130	13-147	
Ethoprop	4.000	4.241	106	30-130	13-147	
Fensulfothion	4.000	4.477	112	30-130	13-147	
Fenthion	4.000	4.019	100	30-130	13-147	
Merphos	4.000	4.373	109	30-130	13-147	
Methyl Parathion	4.000	4.084	102	30-130	13-147	
Phorate	4.000	4.302	108	30-130	13-147	
Ronnel	4.000	3.929	98	30-130	13-147	
Stirophos	4.000	2.174	54	30-130	13-147	
Tokuthion	4.000	3.869	97	30-130	13-147	
Trichloronate	4.000	3.839	96	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1261	**LCS**	**Solid**	**GC 40**	**01/09/15**	**01/15/15 01:22**	**150109L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	342.1	86	30-130	
2,4,5-T	40.00	35.10	88	30-130	
2,4-DB	400.0	383.8	96	30-130	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0373
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9259	**LCS**	**Solid**	**GC/MS RR**	**01/09/15**	**01/09/15 11:52**	**150109L008**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	53.31	107	78-120	71-127	
Carbon Tetrachloride	50.00	53.53	107	49-139	34-154	
Chlorobenzene	50.00	51.00	102	79-120	72-127	
1,2-Dibromoethane	50.00	50.13	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.23	102	75-120	68-128	
1,2-Dichloroethane	50.00	50.99	102	80-120	73-127	
1,1-Dichloroethene	50.00	49.16	98	74-122	66-130	
Ethylbenzene	50.00	52.23	104	76-120	69-127	
Toluene	50.00	51.89	104	77-120	70-127	
Trichloroethene	50.00	47.63	95	80-120	73-127	
Vinyl Chloride	50.00	50.52	101	68-122	59-131	
p/m-Xylene	100.0	103.3	103	75-125	67-133	
o-Xylene	50.00	52.17	104	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	45.28	91	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 15-01-0373 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 1 OF 2

WO NO. / LAB USE ONLY: **15-01-0373**

LABORATORY CLIENT: GC Environmental, Inc
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: (714) 632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell / Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) (O-Cl)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Pb Pesticide 8141	Herbicides 8151		
1	Ba-13-01	1/7/15	1335	Soil	1	X												X					X	X		
2	Ba-13-05		1345			X												X					X	X		
3	Ba-14-01		1505			X												X					X	X		
4	Ba-14-05		1515			X												X					X	X		
5	Ba-15-01		1535			X												X					X	X		
6	Ba-15-05		1545			X												X					X	X		
7	Ba-16-01		1555			X												X					X	X		
8	Ba-16-05		1610			X												X					X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Danny le EEE	1/8/15	1449
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 2 OF 2

WO NO. / LAB USE ONLY: 01-0373

LABORATORY CLIENT: GC Environmental, Inc
ADDRESS: 1230 N Jefferson Ave, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO 8015	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 C-Chain	TPH 418.1	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 218.6				
9	BC-04-01	1/7/15	1420	Soil	1	X			X		X	X		X												
10	BC-04-05	↓	1430	↓	↓	X			X		X	X		X												
11	BC-05-01		1405			X			X		X	X		X												
12	BC-05-05	↓	1418	↓	↓	X			X		X	X		X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Danielle ELL	1/8/15	1449
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER #: 15-01-0373

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GC Env'l Inc.

DATE: 01/08/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.7 °C + 0.2 °C (CF) = 4.9 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 965

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 862

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 862

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WORK ORDER NUMBER: 14-12-1563

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Richard Frizzell
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 12/31/2014 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-12-1563

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Work Order Narrative

Work Order: 14-12-1563 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/16/14. They were assigned to Work Order 14-12-1563.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	14-12-1563
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	12/16/14 14:38
		Number of Containers:	81
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Bb-01(0-2.5')	14-12-1563-1	12/15/14 07:55	1	Solid
Bb-01(2.5-5')	14-12-1563-2	12/15/14 07:55	1	Solid
Bb-02(0-2.5')	14-12-1563-3	12/15/14 07:55	1	Solid
Bb-02(2.5-5')	14-12-1563-4	12/15/14 07:55	1	Solid
Bb-03(0-2.5')	14-12-1563-5	12/15/14 08:10	1	Solid
Bb-03(2.5-5')	14-12-1563-6	12/15/14 08:10	1	Solid
Bb-04(0-2.5')	14-12-1563-7	12/15/14 08:15	1	Solid
Bb-04(2.5-5')	14-12-1563-8	12/15/14 08:15	1	Solid
Bb-05(0-2.5')	14-12-1563-9	12/15/14 08:55	1	Solid
Bb-05(2.5-5')	14-12-1563-10	12/15/14 08:55	1	Solid
Bb-06(0-2.5')	14-12-1563-11	12/15/14 08:50	1	Solid
Bb-06(2.5-5')	14-12-1563-12	12/15/14 08:50	1	Solid
Bb-07(0-2.5')	14-12-1563-13	12/15/14 09:10	1	Solid
Bb-07(2.5-5')	14-12-1563-14	12/15/14 09:10	1	Solid
Bb-08(0-2.5')	14-12-1563-15	12/15/14 09:20	1	Solid
Bb-08(2.5-5')	14-12-1563-16	12/15/14 09:20	1	Solid
Bb-09(0-2.5')	14-12-1563-17	12/15/14 09:30	1	Solid
Bb-09(2.5-5')	14-12-1563-18	12/15/14 09:30	1	Solid
Bb-10(0-2.5')	14-12-1563-19	12/15/14 09:45	1	Solid
Bb-10(2.5-5')	14-12-1563-20	12/15/14 09:45	1	Solid
Bb-11(0-2.5')	14-12-1563-21	12/15/14 09:55	1	Solid
Bb-11(2.5-5')	14-12-1563-22	12/15/14 09:55	1	Solid
Bb-12(0-2.5')	14-12-1563-23	12/15/14 10:25	1	Solid
Bb-12(2.5-5')	14-12-1563-24	12/15/14 10:25	1	Solid
Bb-13(0-2.5')	14-12-1563-25	12/15/14 10:10	1	Solid
Bb-13(2.5-5')	14-12-1563-26	12/15/14 10:10	1	Solid
Bb-14(0-2.5')	14-12-1563-27	12/15/14 10:23	1	Solid
Bb-14(2.5-5')	14-12-1563-28	12/15/14 10:23	1	Solid
Bb-15(0-2.5')	14-12-1563-29	12/15/14 10:18	1	Solid
Bb-15(2.5-5')	14-12-1563-30	12/15/14 10:18	1	Solid
Bb-16(0-2.5')	14-12-1563-31	12/15/14 10:08	1	Solid
Bb-16(2.5-5')	14-12-1563-32	12/15/14 10:08	1	Solid
Bb-17(0-2.5')	14-12-1563-33	12/15/14 09:45	1	Solid
Bb-17(2.5-5')	14-12-1563-34	12/15/14 09:45	1	Solid
Bb-18(0-2.5')	14-12-1563-35	12/15/14 09:40	1	Solid
Bb-18(2.5-5')	14-12-1563-36	12/15/14 09:40	1	Solid
Bb-19(0-2.5')	14-12-1563-37	12/15/14 09:30	1	Solid
Bb-19(2.5-5')	14-12-1563-38	12/15/14 09:30	1	Solid
Bb-20(0-2.5')	14-12-1563-39	12/15/14 09:21	1	Solid
Bb-20(2.5-5')	14-12-1563-40	12/15/14 09:21	1	Solid
Bb-21(0-2.5')	14-12-1563-41	12/15/14 09:12	1	Solid
Bb-21(2.5-5')	14-12-1563-42	12/15/14 09:12	1	Solid

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	14-12-1563
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	12/16/14 14:38
		Number of Containers:	81
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Bb-22(0-2.5')	14-12-1563-43	12/15/14 09:05	1	Solid
Bb-22(2.5-5')	14-12-1563-44	12/15/14 09:05	1	Solid
Bb-23(0-2.5')	14-12-1563-45	12/15/14 08:50	1	Solid
Bb-23(2.5-5')	14-12-1563-46	12/15/14 08:50	1	Solid
Bb-24(0-2.5')	14-12-1563-47	12/15/14 08:35	1	Solid
Bb-24(2.5-5')	14-12-1563-48	12/15/14 08:35	1	Solid
Bb-25(0-2.5')	14-12-1563-49	12/15/14 08:30	1	Solid
Bb-25(2.5-5')	14-12-1563-50	12/15/14 08:30	1	Solid
Bb-26(0-2.5')	14-12-1563-51	12/15/14 10:35	1	Solid
Bb-26(2.5-5')	14-12-1563-52	12/15/14 10:35	1	Solid
Bb-27(0-2.5')	14-12-1563-53	12/15/14 08:25	1	Solid
Bb-27(2.5-5')	14-12-1563-54	12/15/14 08:25	1	Solid
Comp(Bb-01(0-5'))	14-12-1563-55	12/15/14 07:55	1	Solid
Comp(Bb-02(0-5'))	14-12-1563-56	12/15/14 07:55	1	Solid
Comp(Bb-03(0-5'))	14-12-1563-57	12/15/14 08:10	1	Solid
Comp(Bb-04(0-5'))	14-12-1563-58	12/15/14 08:15	1	Solid
Comp(Bb-05(0-5'))	14-12-1563-59	12/15/14 08:55	1	Solid
Comp(Bb-06(0-5'))	14-12-1563-60	12/15/14 08:50	1	Solid
Comp(Bb-07(0-5'))	14-12-1563-61	12/15/14 09:10	1	Solid
Comp(Bb-08(0-5'))	14-12-1563-62	12/15/14 09:20	1	Solid
Comp(Bb-09(0-5'))	14-12-1563-63	12/15/14 09:30	1	Solid
Comp(Bb-10(0-5'))	14-12-1563-64	12/15/14 09:45	1	Solid
Comp(Bb-11(0-5'))	14-12-1563-65	12/15/14 09:55	1	Solid
Comp(Bb-12(0-5'))	14-12-1563-66	12/15/14 10:25	1	Solid
Comp(Bb-13(0-5'))	14-12-1563-67	12/15/14 10:10	1	Solid
Comp(Bb-14(0-5'))	14-12-1563-68	12/15/14 10:23	1	Solid
Comp(Bb-15(0-5'))	14-12-1563-69	12/15/14 10:18	1	Solid
Comp(Bb-16(0-5'))	14-12-1563-70	12/15/14 10:08	1	Solid
Comp(Bb-17(0-5'))	14-12-1563-71	12/15/14 09:45	1	Solid
Comp(Bb-18(0-5'))	14-12-1563-72	12/15/14 09:40	1	Solid
Comp(Bb-19(0-5'))	14-12-1563-73	12/15/14 09:30	1	Solid
Comp(Bb-20(0-5'))	14-12-1563-74	12/15/14 09:21	1	Solid
Comp(Bb-21(0-5'))	14-12-1563-75	12/15/14 09:12	1	Solid
Comp(Bb-22(0-5'))	14-12-1563-76	12/15/14 09:05	1	Solid
Comp(Bb-23(0-5'))	14-12-1563-77	12/15/14 08:50	1	Solid
Comp(Bb-24(0-5'))	14-12-1563-78	12/15/14 08:35	1	Solid
Comp(Bb-25(0-5'))	14-12-1563-79	12/15/14 08:30	1	Solid
Comp(Bb-26(0-5'))	14-12-1563-80	12/15/14 10:35	1	Solid
Comp(Bb-27(0-5'))	14-12-1563-81	12/15/14 08:25	1	Solid

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Detections Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order: Project Name: Received:	14-12-1563 EI (Barstow) / 1443-3-5 12/16/14
Attn:	Richard Frizzell		

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Comp(Bb-01(0-5')) (14-12-1563-55)						
Acenaphthene	30		15	ug/kg	EPA 8310	EPA 3545
Comp(Bb-04(0-5')) (14-12-1563-58)						
Acenaphthene	73		15	ug/kg	EPA 8310	EPA 3545

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-02(0-5'))	14-12-1563-56-A	12/15/14 07:55	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-03(0-5'))	14-12-1563-57-A	12/15/14 08:10	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-04(0-5'))	14-12-1563-58-A	12/15/14 08:15	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-05(0-5'))	14-12-1563-59-A	12/15/14 08:55	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-06(0-5'))	14-12-1563-60-A	12/15/14 08:50	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-07(0-5'))	14-12-1563-61-A	12/15/14 09:10	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-08(0-5'))	14-12-1563-62-A	12/15/14 09:20	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-10(0-5'))	14-12-1563-64-A	12/15/14 09:45	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-11(0-5'))	14-12-1563-65-A	12/15/14 09:55	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-12(0-5'))	14-12-1563-66-A	12/15/14 10:25	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-13(0-5'))	14-12-1563-67-A	12/15/14 10:10	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-14(0-5'))	14-12-1563-68-A	12/15/14 10:23	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-15(0-5'))	14-12-1563-69-A	12/15/14 10:18	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-16(0-5'))	14-12-1563-70-A	12/15/14 10:08	Solid	IR 2	12/18/14	12/18/14 07:06	141218L02

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-015-2046**	**N/A**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Method Blank	**099-07-015-2045**	**N/A**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 22:45**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 23:03**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 23:19**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 23:37**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	117	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 23:55**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 00:12**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 00:29**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 00:46**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 01:03**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 01:21**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 01:55**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	77	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 02:13**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	61	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 02:30**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 02:47**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 03:04**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	114	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 03:22**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 03:39**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	62	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 03:56**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	116	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 04:14**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 04:31**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 06:15**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	62	61-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 06:32**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 06:49**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 07:06**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 07:24**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1325**	**N/A**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 21:36**	**141218B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 27 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1324**	**N/A**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 05:06**	**141218B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 22:27**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 23:01**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	106	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 23:34**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	85	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 00:08**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	98	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 00:42**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	101	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 01:16**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 01:50**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	99	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 02:24**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 02:57**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 03:31**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	103	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 14:46**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	106	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 15:20**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 15:54**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	86	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 16:52**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	96	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 17:26**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	99	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 18:00**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 18:34**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.53	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	101	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 19:08**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 19:42**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	97	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 13:48**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 13:04**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	100	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 14:22**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 14:56**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	82	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 15:30**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 16:04**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	107	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-2035**	**N/A**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 12:33**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-2036**	**N/A**	**Solid**	**GC 24**	**12/18/14**	**12/18/14 11:56**	**141218L051**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-2037**	**N/A**	**Solid**	**GC 24**	**12/19/14**	**12/19/14 12:37**	**141219L028**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 11:09**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	78	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 11:24**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 11:39**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	4.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	4.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	4.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	61	24-168	
2,4,5,6-Tetrachloro-m-Xylene	57	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 11:54**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 12:10**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	78	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 12:24**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 12:39**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 12:54**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 13:09**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	68	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 13:25**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 13:40**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 13:55**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	64	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 14:10**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 14:25**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	68	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 14:40**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	68	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 14:55**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 15:55**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	5.1	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	5.1	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	5.1	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 16:10**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	74	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 16:25**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 16:41**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 16:56**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 17:11**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 17:26**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 17:41**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 17:56**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1939**	**N/A**	**Solid**	**GC 41**	**12/18/14**	**12/18/14 13:27**	**141218L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 27 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1941**	**N/A**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 10:08**	**141218L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC 35**	**12/22/14**	**12/23/14 23:52**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	56	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 00:38**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	69	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 01:24**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	55	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 02:10**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	51	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 02:56**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	46	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 03:41**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	53	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 04:27**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	69	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 05:13**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	52	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 05:59**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	81	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 06:45**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	62	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 08:16**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	53	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 09:02**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	42	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 09:48**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	31	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 10:33**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	65	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 11:19**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	91	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 12:05**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	45	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 12:51**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	38	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 13:37**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	47	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 14:22**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	83	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 20:15**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	88	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 21:01**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	59	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC 35**	**12/22/14**	**12/29/14 22:28**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	71	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 22:32**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	57	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC 35**	**12/22/14**	**12/29/14 23:14**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	85	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC 35**	**12/22/14**	**12/30/14 00:00**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	70	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-135**	**N/A**	**Solid**	**GC 35**	**12/22/14**	**12/23/14 20:49**	**141222L12**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	110	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 27 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-134**	**N/A**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 16:10**	**141222L13**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	106	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 21:35**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	64	30-130	

Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 21:58**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	68	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 22:22**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	68	30-130	

Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 22:45**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 23:08**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	55	30-130	

Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 23:31**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 23:54**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 00:17**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	59	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 00:41**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	43	30-130	

Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 01:04**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	52	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 01:27**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	46	30-130	

Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 01:50**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	59	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 02:13**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	48	30-130	

Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 02:37**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	54	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 03:00**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	37	30-130	

Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 03:23**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	53	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 03:46**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	38	30-130	

Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 04:09**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	36	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 04:33**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	36	30-130	

Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 04:56**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	35	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 11:46**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	62	30-130	

Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 12:09**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	66	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 12:32**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	67	30-130	

Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 12:55**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	76	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 13:18**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	65	30-130	

Method Blank	**095-01-033-1246**	**N/A**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 20:03**	**141218L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	91	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-033-1244**	**N/A**	**Solid**	**GC 40**	**12/18/14**	**12/22/14 14:40**	**141218L16**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	73	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 15:02**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	30	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	57	8-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 15:34**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	75	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 16:07**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	47	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 16:39**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	73	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	58	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 17:12**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	73	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 17:44**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	59	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 18:17**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	16	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 18:49**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	42	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 19:22**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	67	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 20:27**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	34	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 20:59**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	28	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 21:32**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	49	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 22:04**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	57	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 22:37**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	49	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 23:09**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	53	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 23:42**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	66	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 00:14**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	48	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 00:46**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	23	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 01:19**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	27	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 01:51**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	54	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 02:24**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	63	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 02:56**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	80	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 03:29**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	54	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 04:01**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	81	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 04:34**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	68	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-002-1750**	**N/A**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 11:14**	**141226L01**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	92	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 27 of 27

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-002-1751**	**N/A**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 14:29**	**141226L02**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	15	1.00	
Acenaphthylene	ND	30	1.00	
Acenaphthene	ND	15	1.00	
Fluorene	ND	10	1.00	
Phenanthrene	ND	10	1.00	
Anthracene	ND	10	1.00	
Fluoranthene	ND	10	1.00	
Pyrene	ND	10	1.00	
Benzo (a) Anthracene	ND	10	1.00	
Chrysene	ND	10	1.00	
Benzo (b) Fluoranthene	ND	10	1.00	
Benzo (k) Fluoranthene	ND	10	1.00	
Benzo (a) Pyrene	ND	10	1.00	
Dibenz (a,h) Anthracene	ND	10	1.00	
Benzo (g,h,i) Perylene	ND	10	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	92	8-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-01(0-5'))	**14-12-1563-55-A**	**12/15/14 07:55**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 14:49**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	110	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-02(0-5'))	**14-12-1563-56-A**	**12/15/14 07:55**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 19:29**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-03(0-5'))	**14-12-1563-57-A**	**12/15/14 08:10**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 19:57**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-04(0-5'))	**14-12-1563-58-A**	**12/15/14 08:15**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 20:25**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-05(0-5'))	**14-12-1563-59-A**	**12/15/14 08:55**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 20:53**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Xylenes (total)	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	109	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-06(0-5'))	**14-12-1563-60-A**	**12/15/14 08:50**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 21:21**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-07(0-5'))	**14-12-1563-61-A**	**12/15/14 09:10**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 03:49**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-08(0-5'))	**14-12-1563-62-A**	**12/15/14 09:20**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 04:15**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-09(0-5'))	**14-12-1563-63-A**	**12/15/14 09:30**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 04:41**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	90	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-10(0-5'))	**14-12-1563-64-A**	**12/15/14 09:45**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 05:07**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	91	63-141	
1,2-Dichloroethane-d4	91	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-11(0-5'))	**14-12-1563-65-A**	**12/15/14 09:55**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 00:48**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Xylenes (total)	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	91	63-141	
1,2-Dichloroethane-d4	90	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 23 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-12(0-5'))	**14-12-1563-66-A**	**12/15/14 10:25**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 05:33**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 24 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 25 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-13(0-5'))	**14-12-1563-67-A**	**12/15/14 10:10**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 05:58**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 26 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Xylenes (total)	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	92	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 27 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-14(0-5'))	**14-12-1563-68-A**	**12/15/14 10:23**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 06:24**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 28 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	92	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 29 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-15(0-5'))	**14-12-1563-69-A**	**12/15/14 10:18**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 06:50**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 30 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 31 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-16(0-5'))	**14-12-1563-70-A**	**12/15/14 10:08**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 19:15**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 32 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 33 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-17(0-5'))	**14-12-1563-71-A**	**12/15/14 09:45**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 19:42**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 34 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 35 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-18(0-5'))	**14-12-1563-72-A**	**12/15/14 09:40**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 20:08**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 36 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 37 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-19(0-5'))	**14-12-1563-73-A**	**12/15/14 09:30**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 20:36**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 38 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Xylenes (total)	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 39 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-20(0-5'))	**14-12-1563-74-A**	**12/15/14 09:21**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 21:02**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.3	1.00	
Bromobenzene	ND	5.3	1.00	
Bromochloromethane	ND	5.3	1.00	
Bromodichloromethane	ND	5.3	1.00	
Bromoform	ND	5.3	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	53	1.00	
n-Butylbenzene	ND	5.3	1.00	
sec-Butylbenzene	ND	5.3	1.00	
tert-Butylbenzene	ND	5.3	1.00	
Carbon Disulfide	ND	53	1.00	
Carbon Tetrachloride	ND	5.3	1.00	
Chlorobenzene	ND	5.3	1.00	
Chloroethane	ND	5.3	1.00	
Chloroform	ND	5.3	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.3	1.00	
4-Chlorotoluene	ND	5.3	1.00	
Dibromochloromethane	ND	5.3	1.00	
1,2-Dibromo-3-Chloropropane	ND	11	1.00	
1,2-Dibromoethane	ND	5.3	1.00	
Dibromomethane	ND	5.3	1.00	
1,2-Dichlorobenzene	ND	5.3	1.00	
1,3-Dichlorobenzene	ND	5.3	1.00	
1,4-Dichlorobenzene	ND	5.3	1.00	
Dichlorodifluoromethane	ND	5.3	1.00	
1,1-Dichloroethane	ND	5.3	1.00	
1,2-Dichloroethane	ND	5.3	1.00	
1,1-Dichloroethene	ND	5.3	1.00	
c-1,2-Dichloroethene	ND	5.3	1.00	
t-1,2-Dichloroethene	ND	5.3	1.00	
1,2-Dichloropropane	ND	5.3	1.00	
1,3-Dichloropropane	ND	5.3	1.00	
2,2-Dichloropropane	ND	5.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 40 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.3	1.00	
c-1,3-Dichloropropene	ND	5.3	1.00	
t-1,3-Dichloropropene	ND	5.3	1.00	
Ethylbenzene	ND	5.3	1.00	
2-Hexanone	ND	53	1.00	
Isopropylbenzene	ND	5.3	1.00	
p-Isopropyltoluene	ND	5.3	1.00	
Methylene Chloride	ND	53	1.00	
4-Methyl-2-Pentanone	ND	53	1.00	
Naphthalene	ND	53	1.00	
n-Propylbenzene	ND	5.3	1.00	
Styrene	ND	5.3	1.00	
1,1,1,2-Tetrachloroethane	ND	5.3	1.00	
1,1,2,2-Tetrachloroethane	ND	5.3	1.00	
Tetrachloroethene	ND	5.3	1.00	
Toluene	ND	5.3	1.00	
1,2,3-Trichlorobenzene	ND	11	1.00	
1,2,4-Trichlorobenzene	ND	5.3	1.00	
1,1,1-Trichloroethane	ND	5.3	1.00	
1,1,2-Trichloroethane	ND	5.3	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	53	1.00	
Trichloroethene	ND	5.3	1.00	
1,2,3-Trichloropropane	ND	5.3	1.00	
1,2,4-Trimethylbenzene	ND	5.3	1.00	
Trichlorofluoromethane	ND	53	1.00	
1,3,5-Trimethylbenzene	ND	5.3	1.00	
Vinyl Acetate	ND	53	1.00	
Vinyl Chloride	ND	5.3	1.00	
p/m-Xylene	ND	5.3	1.00	
o-Xylene	ND	5.3	1.00	
Xylenes (total)	ND	5.3	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.3	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 41 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-21(0-5'))	**14-12-1563-75-A**	**12/15/14 09:12**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 12:40**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 42 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 43 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-22(0-5'))	**14-12-1563-76-A**	**12/15/14 09:05**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 21:28**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 44 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Xylenes (total)	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 45 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-23(0-5'))	**14-12-1563-77-A**	**12/15/14 08:50**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 21:55**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 46 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 47 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-24(0-5'))	**14-12-1563-78-A**	**12/15/14 08:35**	**Solid**	**GC/MS V V**	**12/17/14**	**12/19/14 21:40**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 48 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	119	63-141	
1,2-Dichloroethane-d4	122	62-146	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 49 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Comp(Bb-25(0-5'))	**14-12-1563-79-A**	**12/15/14 08:30**	**Solid**	**GC/MS V V**	**12/17/14**	**12/19/14 22:09**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 50 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-132	
Dibromofluoromethane	119	63-141	
1,2-Dichloroethane-d4	119	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 51 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9211**	**N/A**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 13:54**	**141217L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 52 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	91	63-141	
1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 53 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9220**	**N/A**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 23:56**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 54 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	88	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 55 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9216**	**N/A**	**Solid**	**GC/MS Q**	**12/19/14**	**12/19/14 11:48**	**141219L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 56 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	90	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 57 of 58

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9217**	**N/A**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 17:01**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 58 of 58

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-132	
Dibromofluoromethane	115	63-141	
1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1562-6	**Sample**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**
14-12-1562-6	**Matrix Spike**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**
14-12-1562-6	**Matrix Spike Duplicate**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TRPH	ND	100.0	84.06	84	86.96	87	55-135	3	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 2 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-17(0-5'))	**Sample**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218S02**
Comp(Bb-17(0-5'))	**Matrix Spike**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218S02**
Comp(Bb-17(0-5'))	**Matrix Spike Duplicate**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TRPH	ND	100.0	94.37	94	88.44	88	55-135	6	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-17(0-5'))	**Sample**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 03:39**	**141218S08**
Comp(Bb-17(0-5'))	**Matrix Spike**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 22:10**	**141218S08**
Comp(Bb-17(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 22:28**	**141218S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	394.6	99	385.7	96	64-130	2	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 4 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1678-1	**Sample**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 07:41**	**141218S09**
14-12-1678-1	**Matrix Spike**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 05:40**	**141218S09**
14-12-1678-1	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 05:57**	**141218S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	402.0	100	433.7	108	64-130	8	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 5 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1562-2	**Sample**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 15:08**	**141217S029**
14-12-1562-2	**Matrix Spike**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 19:04**	**141217S029**
14-12-1562-2	**Matrix Spike Duplicate**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 19:38**	**141217S029**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.399	94	9.562	96	48-114	2	0-23	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 6 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-21(0-5'))	**Sample**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 13:04**	**141218S029**
Comp(Bb-21(0-5'))	**Matrix Spike**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 13:38**	**141218S029**
Comp(Bb-21(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 24**	**12/17/14**	**12/18/14 14:12**	**141218S029**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	8.896	89	8.740	87	48-114	2	0-23	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 7 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-20(0-5'))	**Sample**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 13:48**	**141219S011**
Comp(Bb-20(0-5'))	**Matrix Spike**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 16:42**	**141219S011**
Comp(Bb-20(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 24**	**12/17/14**	**12/19/14 17:16**	**141219S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.043	90	9.710	97	48-114	7	0-23	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 8 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-0913-2	**Sample**	**Solid**	**GC 41**	**12/18/14**	**12/18/14 15:16**	**141218S03**
14-12-0913-2	**Matrix Spike**	**Solid**	**GC 41**	**12/18/14**	**12/18/14 19:17**	**141218S03**
14-12-0913-2	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**12/18/14**	**12/18/14 19:32**	**141218S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	17.59	70	17.55	70	50-135	0	0-25	
Alpha-BHC	ND	25.00	14.83	59	15.71	63	50-135	6	0-25	
Beta-BHC	ND	25.00	20.71	83	20.21	81	50-135	2	0-25	
4,4'-DDD	14.56	25.00	25.66	44	26.62	48	50-135	4	0-25	3
4,4'-DDE	333.5	25.00	365.1	127	365.1	127	50-135	0	0-25	
4,4'-DDT	ND	25.00	44.38	178	40.52	162	50-135	9	0-25	3
Delta-BHC	ND	25.00	15.48	62	16.61	66	50-135	7	0-25	
Dieldrin	ND	25.00	25.40	102	25.03	100	50-135	1	0-25	
Endosulfan I	ND	25.00	19.70	79	19.50	78	50-135	1	0-25	
Endosulfan II	ND	25.00	23.62	94	22.94	92	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	20.66	83	20.46	82	50-135	1	0-25	
Endrin	ND	25.00	23.62	94	23.61	94	50-135	0	0-25	
Endrin Aldehyde	ND	25.00	21.30	85	20.99	84	50-135	1	0-25	
Gamma-BHC	ND	25.00	15.46	62	16.43	66	50-135	6	0-25	
Heptachlor	ND	25.00	16.45	66	17.43	70	50-135	6	0-25	
Heptachlor Epoxide	ND	25.00	21.63	87	21.63	87	50-135	0	0-25	
Methoxychlor	ND	25.00	23.63	95	19.92	80	50-135	17	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 9 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-01(0-5'))	**Sample**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 11:09**	**141218S08**
Comp(Bb-01(0-5'))	**Matrix Spike**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 10:39**	**141218S08**
Comp(Bb-01(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 10:54**	**141218S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.73	79	19.24	77	50-135	3	0-25	
Alpha-BHC	ND	25.00	20.54	82	20.29	81	50-135	1	0-25	
Beta-BHC	ND	25.00	18.16	73	17.72	71	50-135	2	0-25	
4,4'-DDD	ND	25.00	20.07	80	20.60	82	50-135	3	0-25	
4,4'-DDE	ND	25.00	20.95	84	20.06	80	50-135	4	0-25	
4,4'-DDT	ND	25.00	21.32	85	20.50	82	50-135	4	0-25	
Delta-BHC	ND	25.00	20.44	82	20.25	81	50-135	1	0-25	
Dieldrin	ND	25.00	20.24	81	19.37	77	50-135	4	0-25	
Endosulfan I	ND	25.00	19.60	78	18.70	75	50-135	5	0-25	
Endosulfan II	ND	25.00	21.01	84	20.09	80	50-135	4	0-25	
Endosulfan Sulfate	ND	25.00	20.24	81	19.50	78	50-135	4	0-25	
Endrin	ND	25.00	21.90	88	21.49	86	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	19.21	77	18.84	75	50-135	2	0-25	
Gamma-BHC	ND	25.00	21.40	86	21.16	85	50-135	1	0-25	
Heptachlor	ND	25.00	21.57	86	21.18	85	50-135	2	0-25	
Heptachlor Epoxide	ND	25.00	18.32	73	17.00	68	50-135	7	0-25	
Methoxychlor	ND	25.00	21.12	84	20.27	81	50-135	4	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 10 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-13(0-5'))	**Sample**	**Solid**	**GC 35**	**12/22/14**	**12/24/14 09:48**	**141222S12**
Comp(Bb-13(0-5'))	**Matrix Spike**	**Solid**	**GC 35**	**12/22/14**	**12/23/14 22:21**	**141222S12**
Comp(Bb-13(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 35**	**12/22/14**	**12/23/14 23:06**	**141222S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	3.066	77	2.350	59	30-130	26	0-30	
Bolstar	ND	4.000	3.489	87	3.172	79	30-130	10	0-30	
Chlorpyrifos	ND	4.000	3.279	82	3.001	75	30-130	9	0-30	
Coumaphos	ND	4.000	3.297	82	2.745	69	30-130	18	0-30	
Diazinon	ND	4.000	2.794	70	2.152	54	30-130	26	0-30	
Disulfoton	ND	4.000	3.722	93	3.292	82	30-130	12	0-30	
Ethoprop	ND	4.000	3.044	76	2.288	57	30-130	28	0-30	
Fensulfothion	ND	4.000	2.271	57	1.421	36	30-130	46	0-30	4
Fenthion	ND	4.000	3.433	86	2.949	74	30-130	15	0-30	
Merphos	ND	4.000	2.651	66	2.513	63	30-130	5	0-30	
Methyl Parathion	ND	4.000	3.502	88	2.898	72	30-130	19	0-30	
Phorate	ND	4.000	3.564	89	3.104	78	30-130	14	0-30	
Ronnel	ND	4.000	3.441	86	2.949	74	30-130	15	0-30	
Stirophos	ND	4.000	2.560	64	1.937	48	30-130	28	0-30	
Tokuthion	ND	4.000	3.441	86	3.036	76	30-130	13	0-30	
Trichloronate	ND	4.000	3.347	84	3.334	83	30-130	0	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 11 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-20(0-5'))	**Sample**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 20:15**	**141222S13**
Comp(Bb-20(0-5'))	**Matrix Spike**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 18:43**	**141222S13**
Comp(Bb-20(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 19:29**	**141222S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	2.800	70	3.079	77	30-130	9	0-30	
Bolstar	ND	4.000	4.114	103	4.225	106	30-130	3	0-30	
Chlorpyrifos	ND	4.000	4.051	101	4.176	104	30-130	3	0-30	
Coumaphos	ND	4.000	3.178	79	3.474	87	30-130	9	0-30	
Diazinon	ND	4.000	0	0	2.985	75	30-130	0	0-30	3
Disulfoton	ND	4.000	7.579	189	4.521	113	30-130	51	0-30	3,4
Ethoprop	ND	4.000	2.757	69	3.158	79	30-130	14	0-30	
Fensulfothion	ND	4.000	2.278	57	2.624	66	30-130	14	0-30	
Fenthion	ND	4.000	4.045	101	4.153	104	30-130	3	0-30	
Merphos	ND	4.000	3.174	79	3.601	90	30-130	13	0-30	
Methyl Parathion	ND	4.000	4.076	102	4.203	105	30-130	3	0-30	
Phorate	ND	4.000	4.145	104	4.197	105	30-130	1	0-30	
Ronnel	ND	4.000	4.334	108	4.456	111	30-130	3	0-30	
Stirophos	ND	4.000	1.943	49	2.465	62	30-130	24	0-30	
Tokuthion	ND	4.000	4.256	106	4.350	109	30-130	2	0-30	
Trichloronate	ND	4.000	4.179	104	4.343	109	30-130	4	0-30	

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 12 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-11(0-5'))	**Sample**	**Solid**	**GC 40**	**12/18/14**	**12/25/14 01:27**	**141218S15**
Comp(Bb-11(0-5'))	**Matrix Spike**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 20:26**	**141218S15**
Comp(Bb-11(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 20:49**	**141218S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	544.8	136	296.9	74	30-130	59	0-30	3,4
2,4,5-T	ND	40.00	30.20	76	28.90	72	30-130	4	0-30	
2,4-DB	ND	400.0	317.2	79	290.6	73	30-130	9	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 13 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-25(0-5'))	**Sample**	**Solid**	**GC 40**	**12/18/14**	**12/23/14 13:18**	**141218S16**
Comp(Bb-25(0-5'))	**Matrix Spike**	**Solid**	**GC 40**	**12/18/14**	**12/22/14 15:27**	**141218S16**
Comp(Bb-25(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC 40**	**12/18/14**	**12/22/14 15:50**	**141218S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	265.3	66	266.4	67	30-130	0	0-30	
2,4,5-T	ND	40.00	30.50	76	30.80	77	30-130	1	0-30	
2,4-DB	ND	400.0	314.9	79	325.2	81	30-130	3	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 14 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-16(0-5'))	**Sample**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 23:42**	**141226S01**
Comp(Bb-16(0-5'))	**Matrix Spike**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 11:47**	**141226S01**
Comp(Bb-16(0-5'))	**Matrix Spike Duplicate**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 12:19**	**141226S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	100.0	55.56	56	56.88	57	23-167	2	0-46	
Acenaphthylene	ND	100.0	52.24	52	53.05	53	24-120	2	0-47	
Acenaphthene	ND	100.0	46.70	47	47.69	48	16-120	2	0-46	
Fluorene	ND	100.0	47.30	47	47.91	48	32-120	1	0-44	
Phenanthrene	ND	100.0	49.75	50	50.33	50	34-120	1	0-38	
Anthracene	ND	100.0	49.28	49	49.89	50	27-120	1	0-45	
Fluoranthene	ND	100.0	50.73	51	51.28	51	32-122	1	0-41	
Pyrene	ND	100.0	50.60	51	51.45	51	31-127	2	0-38	
Benzo (a) Anthracene	ND	100.0	52.04	52	52.40	52	32-122	1	0-43	
Chrysene	ND	100.0	51.17	51	51.98	52	30-132	2	0-42	
Benzo (b) Fluoranthene	ND	100.0	49.75	50	50.06	50	33-120	1	0-44	
Benzo (k) Fluoranthene	ND	100.0	47.49	47	49.97	50	23-149	5	0-44	
Benzo (a) Pyrene	ND	100.0	53.12	53	53.06	53	12-132	0	0-48	
Dibenz (a,h) Anthracene	ND	100.0	45.44	45	46.98	47	29-125	3	0-43	
Benzo (g,h,i) Perylene	ND	100.0	43.91	44	44.28	44	24-132	1	0-42	
Indeno (1,2,3-c,d) Pyrene	ND	100.0	45.88	46	45.94	46	29-143	0	0-42	

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 15 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-22(0-5'))	**Sample**	**Solid**	**HPLC 5**	**12/26/14**	**12/30/14 02:56**	**141226S02**
Comp(Bb-22(0-5'))	**Matrix Spike**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 12:52**	**141226S02**
Comp(Bb-22(0-5'))	**Matrix Spike Duplicate**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 13:24**	**141226S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	100.0	59.54	60	65.91	66	23-167	10	0-46	
Acenaphthylene	ND	100.0	63.51	64	64.32	64	24-120	1	0-47	
Acenaphthene	ND	100.0	67.62	68	70.27	70	16-120	4	0-46	
Fluorene	ND	100.0	60.71	61	61.39	61	32-120	1	0-44	
Phenanthrene	ND	100.0	65.55	66	66.25	66	34-120	1	0-38	
Anthracene	ND	100.0	62.67	63	62.91	63	27-120	0	0-45	
Fluoranthene	ND	100.0	63.84	64	64.32	64	32-122	1	0-41	
Pyrene	ND	100.0	61.36	61	61.96	62	31-127	1	0-38	
Benzo (a) Anthracene	ND	100.0	66.84	67	67.93	68	32-122	2	0-43	
Chrysene	ND	100.0	65.38	65	65.56	66	30-132	0	0-42	
Benzo (b) Fluoranthene	ND	100.0	62.79	63	63.10	63	33-120	0	0-44	
Benzo (k) Fluoranthene	ND	100.0	62.98	63	63.44	63	23-149	1	0-44	
Benzo (a) Pyrene	ND	100.0	64.78	65	65.38	65	12-132	1	0-48	
Dibenz (a,h) Anthracene	ND	100.0	58.17	58	57.94	58	29-125	0	0-43	
Benzo (g,h,i) Perylene	ND	100.0	59.94	60	61.38	61	24-132	2	0-42	
Indeno (1,2,3-c,d) Pyrene	ND	100.0	59.79	60	60.16	60	29-143	1	0-42	

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 16 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-01(0-5'))	**Sample**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 14:49**	**141217S004**
Comp(Bb-01(0-5'))	**Matrix Spike**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 15:17**	**141217S004**
Comp(Bb-01(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 15:45**	**141217S004**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	42.51	85	39.84	80	61-127	6	0-20	
Carbon Tetrachloride	ND	50.00	40.16	80	37.60	75	51-135	7	0-29	
Chlorobenzene	ND	50.00	39.86	80	37.02	74	57-123	7	0-20	
1,2-Dibromoethane	ND	50.00	42.16	84	40.16	80	64-124	5	0-20	
1,2-Dichlorobenzene	ND	50.00	35.28	71	33.57	67	35-131	5	0-25	
1,2-Dichloroethane	ND	50.00	42.55	85	39.07	78	80-120	9	0-20	3
1,1-Dichloroethene	ND	50.00	39.34	79	36.87	74	47-143	6	0-25	
Ethylbenzene	ND	50.00	42.03	84	39.66	79	57-129	6	0-22	
Toluene	ND	50.00	42.01	84	38.95	78	63-123	8	0-20	
Trichloroethene	ND	50.00	41.75	84	39.44	79	44-158	6	0-20	
Vinyl Chloride	ND	50.00	42.57	85	40.27	81	49-139	6	0-47	
p/m-Xylene	ND	100.0	86.49	86	81.37	81	70-130	6	0-30	
o-Xylene	ND	50.00	44.28	89	41.45	83	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.07	88	42.88	86	57-123	3	0-21	

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 17 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-11(0-5'))	**Sample**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 00:48**	**141218S039**
Comp(Bb-11(0-5'))	**Matrix Spike**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 01:14**	**141218S039**
Comp(Bb-11(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 01:40**	**141218S039**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	40.61	81	40.90	82	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	38.61	77	39.62	79	51-135	3	0-29	
Chlorobenzene	ND	50.00	38.32	77	39.17	78	57-123	2	0-20	
1,2-Dibromoethane	ND	50.00	41.11	82	41.40	83	64-124	1	0-20	
1,2-Dichlorobenzene	ND	50.00	31.93	64	32.18	64	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	39.04	78	40.22	80	80-120	3	0-20	3
1,1-Dichloroethene	ND	50.00	35.51	71	36.69	73	47-143	3	0-25	
Ethylbenzene	ND	50.00	38.98	78	39.74	79	57-129	2	0-22	
Toluene	ND	50.00	40.84	82	41.93	84	63-123	3	0-20	
Trichloroethene	ND	50.00	40.69	81	41.68	83	44-158	2	0-20	
Vinyl Chloride	ND	50.00	37.76	76	38.78	78	49-139	3	0-47	
p/m-Xylene	ND	100.0	77.58	78	79.68	80	70-130	3	0-30	
o-Xylene	ND	50.00	38.73	77	39.69	79	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	40.01	80	40.23	80	57-123	1	0-21	

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 18 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Comp(Bb-21(0-5'))	**Sample**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 12:40**	**141219S001**
Comp(Bb-21(0-5'))	**Matrix Spike**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 13:33**	**141219S001**
Comp(Bb-21(0-5'))	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 13:59**	**141219S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	40.06	80	39.49	79	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	39.74	79	39.97	80	51-135	1	0-29	
Chlorobenzene	ND	50.00	36.51	73	36.67	73	57-123	0	0-20	
1,2-Dibromoethane	ND	50.00	40.30	81	39.50	79	64-124	2	0-20	
1,2-Dichlorobenzene	ND	50.00	28.47	57	28.64	57	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	39.59	79	37.73	75	80-120	5	0-20	3
1,1-Dichloroethene	ND	50.00	35.98	72	35.31	71	47-143	2	0-25	
Ethylbenzene	ND	50.00	37.51	75	37.51	75	57-129	0	0-22	
Toluene	ND	50.00	40.31	81	39.45	79	63-123	2	0-20	
Trichloroethene	ND	50.00	40.88	82	39.73	79	44-158	3	0-20	
Vinyl Chloride	ND	50.00	36.72	73	35.83	72	49-139	2	0-47	
p/m-Xylene	ND	100.0	74.24	74	73.84	74	70-130	1	0-30	
o-Xylene	ND	50.00	37.22	74	37.39	75	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	39.37	79	38.32	77	57-123	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 19 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1783-1	**Sample**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 17:56**	**141219S013**
14-12-1783-1	**Matrix Spike**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 18:24**	**141219S013**
14-12-1783-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 18:52**	**141219S013**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	57.81	116	53.63	107	61-127	8	0-20	
Carbon Tetrachloride	ND	50.00	69.59	139	67.22	134	51-135	3	0-29	3
Chlorobenzene	ND	50.00	54.66	109	51.33	103	57-123	6	0-20	
1,2-Dibromoethane	ND	50.00	53.37	107	50.03	100	64-124	6	0-20	
1,2-Dichlorobenzene	ND	50.00	49.54	99	47.09	94	35-131	5	0-25	
1,2-Dichloroethane	ND	50.00	53.55	107	49.53	99	80-120	8	0-20	
1,1-Dichloroethene	ND	50.00	54.72	109	57.72	115	47-143	5	0-25	
Ethylbenzene	ND	50.00	55.96	112	52.79	106	57-129	6	0-22	
Toluene	ND	50.00	58.27	117	53.97	108	63-123	8	0-20	
Trichloroethene	ND	50.00	92.04	184	87.54	175	44-158	5	0-20	3
Vinyl Chloride	ND	50.00	55.05	110	53.03	106	49-139	4	0-47	
p/m-Xylene	ND	100.0	117.9	118	109.1	109	70-130	8	0-30	
o-Xylene	ND	50.00	58.15	116	54.56	109	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.10	92	44.75	89	57-123	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-015-2045	**LCS**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TRPH	100.0	97.24	97	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 2 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-015-2046	**LCS**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 07:06**	**141218L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TRPH	100.0	97.30	97	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1325	**LCS**	**Solid**	**GC 47**	**12/18/14**	**12/18/14 21:53**	**141218B08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	396.3	99	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 4 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1324	**LCS**	**Solid**	**GC 47**	**12/18/14**	**12/19/14 05:23**	**141218B09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	391.7	98	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 5 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-2035	**LCS**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 12:00**	**141217L049**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.15	101	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 6 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-2036	**LCS**	**Solid**	**GC 24**	**12/18/14**	**12/18/14 11:22**	**141218L051**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.19	102	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 7 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-2037	**LCS**	**Solid**	**GC 24**	**12/19/14**	**12/19/14 12:03**	**141219L028**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	9.527	95	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 8 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1939	**LCS**	**Solid**	**GC 41**	**12/18/14**	**12/18/14 20:09**	**141218L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	22.75	91	50-135	36-149	
Alpha-BHC	25.00	22.75	91	50-135	36-149	
Beta-BHC	25.00	21.15	85	50-135	36-149	
4,4'-DDD	25.00	23.02	92	50-135	36-149	
4,4'-DDE	25.00	24.34	97	50-135	36-149	
4,4'-DDT	25.00	23.32	93	50-135	36-149	
Delta-BHC	25.00	23.56	94	50-135	36-149	
Dieldrin	25.00	23.26	93	50-135	36-149	
Endosulfan I	25.00	22.37	89	50-135	36-149	
Endosulfan II	25.00	23.74	95	50-135	36-149	
Endosulfan Sulfate	25.00	22.98	92	50-135	36-149	
Endrin	25.00	22.78	91	50-135	36-149	
Endrin Aldehyde	25.00	22.75	91	50-135	36-149	
Gamma-BHC	25.00	23.91	96	50-135	36-149	
Heptachlor	25.00	24.22	97	50-135	36-149	
Heptachlor Epoxide	25.00	20.09	80	50-135	36-149	
Methoxychlor	25.00	23.83	95	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 9 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1941	**LCS**	**Solid**	**GC 41**	**12/18/14**	**12/20/14 10:23**	**141218L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.65	83	50-135	36-149	
Alpha-BHC	25.00	20.40	82	50-135	36-149	
Beta-BHC	25.00	20.14	81	50-135	36-149	
4,4'-DDD	25.00	21.20	85	50-135	36-149	
4,4'-DDE	25.00	22.01	88	50-135	36-149	
4,4'-DDT	25.00	22.02	88	50-135	36-149	
Delta-BHC	25.00	20.69	83	50-135	36-149	
Dieldrin	25.00	21.43	86	50-135	36-149	
Endosulfan I	25.00	20.93	84	50-135	36-149	
Endosulfan II	25.00	22.11	88	50-135	36-149	
Endosulfan Sulfate	25.00	21.00	84	50-135	36-149	
Endrin	25.00	21.59	86	50-135	36-149	
Endrin Aldehyde	25.00	20.59	82	50-135	36-149	
Gamma-BHC	25.00	21.23	85	50-135	36-149	
Heptachlor	25.00	22.12	88	50-135	36-149	
Heptachlor Epoxide	25.00	17.57	70	50-135	36-149	
Methoxychlor	25.00	21.58	86	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 10 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-135	**LCS**	**Solid**	**GC 35**	**12/22/14**	**12/23/14 21:35**	**141222L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	3.319	83	30-130	13-147	
Bolstar	4.000	3.676	92	30-130	13-147	
Chlorpyrifos	4.000	3.280	82	30-130	13-147	
Coumaphos	4.000	3.366	84	30-130	13-147	
Diazinon	4.000	3.563	89	30-130	13-147	
Disulfoton	4.000	4.067	102	30-130	13-147	
Ethoprop	4.000	3.956	99	30-130	13-147	
Fensulfothion	4.000	3.614	90	30-130	13-147	
Fenthion	4.000	3.740	94	30-130	13-147	
Merphos	4.000	2.836	71	30-130	13-147	
Methyl Parathion	4.000	3.740	94	30-130	13-147	
Phorate	4.000	3.997	100	30-130	13-147	
Ronnel	4.000	3.588	90	30-130	13-147	
Stirophos	4.000	2.801	70	30-130	13-147	
Tokuthion	4.000	3.582	90	30-130	13-147	
Trichloronate	4.000	3.387	85	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 11 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-134	**LCS**	**Solid**	**GC 35**	**12/22/14**	**12/26/14 16:55**	**141222L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	4.065	102	30-130	13-147	
Bolstar	4.000	4.411	110	30-130	13-147	
Chlorpyrifos	4.000	4.448	111	30-130	13-147	
Coumaphos	4.000	4.246	106	30-130	13-147	
Diazinon	4.000	4.275	107	30-130	13-147	
Disulfoton	4.000	5.007	125	30-130	13-147	
Ethoprop	4.000	4.913	123	30-130	13-147	
Fensulfothion	4.000	3.908	98	30-130	13-147	
Fenthion	4.000	4.775	119	30-130	13-147	
Merphos	4.000	4.213	105	30-130	13-147	
Methyl Parathion	4.000	4.995	125	30-130	13-147	
Phorate	4.000	4.744	119	30-130	13-147	
Ronnel	4.000	4.938	123	30-130	13-147	
Stirophos	4.000	3.261	82	30-130	13-147	
Tokuthion	4.000	4.552	114	30-130	13-147	
Trichloronate	4.000	4.693	117	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 12 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1246	**LCS**	**Solid**	**GC 40**	**12/18/14**	**12/24/14 19:39**	**141218L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	424.5	106	30-130	
2,4,5-T	40.00	38.90	97	30-130	
2,4-DB	400.0	417.5	104	30-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 13 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1244	**LCS**	**Solid**	**GC 40**	**12/18/14**	**12/22/14 14:17**	**141218L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	298.0	74	30-130	
2,4,5-T	40.00	37.90	95	30-130	
2,4-DB	400.0	353.1	88	30-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 14 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-002-1750	**LCS**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 10:42**	**141226L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	100.0	97.55	98	17-203	0-234	
Acenaphthylene	100.0	78.60	79	50-120	38-132	
Acenaphthene	100.0	69.89	70	41-120	28-133	
Fluorene	100.0	69.32	69	51-120	40-132	
Phenanthrene	100.0	71.27	71	56-120	45-131	
Anthracene	100.0	73.18	73	49-120	37-132	
Fluoranthene	100.0	72.81	73	60-120	50-130	
Pyrene	100.0	74.96	75	61-121	51-131	
Benzo (a) Anthracene	100.0	75.76	76	61-121	51-131	
Chrysene	100.0	74.03	74	61-121	51-131	
Benzo (b) Fluoranthene	100.0	72.52	73	61-121	51-131	
Benzo (k) Fluoranthene	100.0	72.24	72	57-129	45-141	
Benzo (a) Pyrene	100.0	72.10	72	43-120	30-133	
Dibenz (a,h) Anthracene	100.0	65.72	66	59-125	48-136	
Benzo (g,h,i) Perylene	100.0	71.86	72	57-123	46-134	
Indeno (1,2,3-c,d) Pyrene	100.0	70.30	70	64-130	53-141	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 3545
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 15 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-002-1751	**LCS**	**Solid**	**HPLC 5**	**12/26/14**	**12/29/14 13:57**	**141226L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	100.0	98.28	98	17-203	0-234	
Acenaphthylene	100.0	79.26	79	50-120	38-132	
Acenaphthene	100.0	71.44	71	41-120	28-133	
Fluorene	100.0	69.83	70	51-120	40-132	
Phenanthrene	100.0	71.62	72	56-120	45-131	
Anthracene	100.0	73.32	73	49-120	37-132	
Fluoranthene	100.0	73.22	73	60-120	50-130	
Pyrene	100.0	75.68	76	61-121	51-131	
Benzo (a) Anthracene	100.0	76.18	76	61-121	51-131	
Chrysene	100.0	75.22	75	61-121	51-131	
Benzo (b) Fluoranthene	100.0	72.19	72	61-121	51-131	
Benzo (k) Fluoranthene	100.0	72.52	73	57-129	45-141	
Benzo (a) Pyrene	100.0	73.30	73	43-120	30-133	
Dibenz (a,h) Anthracene	100.0	67.22	67	59-125	48-136	
Benzo (g,h,i) Perylene	100.0	71.01	71	57-123	46-134	
Indeno (1,2,3-c,d) Pyrene	100.0	70.33	70	64-130	53-141	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 16 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9211	**LCS**	**Solid**	**GC/MS O**	**12/17/14**	**12/17/14 11:22**	**141217L022**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.31	99	78-120	71-127	
Carbon Tetrachloride	50.00	48.20	96	49-139	34-154	
Chlorobenzene	50.00	48.48	97	79-120	72-127	
1,2-Dibromoethane	50.00	47.30	95	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.23	98	75-120	68-128	
1,2-Dichloroethane	50.00	47.36	95	80-120	73-127	
1,1-Dichloroethene	50.00	44.64	89	74-122	66-130	
Ethylbenzene	50.00	52.56	105	76-120	69-127	
Toluene	50.00	49.66	99	77-120	70-127	
Trichloroethene	50.00	49.43	99	80-120	73-127	
Vinyl Chloride	50.00	47.74	95	68-122	59-131	
p/m-Xylene	100.0	108.5	108	75-125	67-133	
o-Xylene	50.00	54.71	109	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	41.24	82	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 17 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9220	**LCS**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 23:04**	**141218L064**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.41	97	78-120	71-127	
Carbon Tetrachloride	50.00	46.00	92	49-139	34-154	
Chlorobenzene	50.00	48.95	98	79-120	72-127	
1,2-Dibromoethane	50.00	49.79	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.84	92	75-120	68-128	
1,2-Dichloroethane	50.00	46.75	94	80-120	73-127	
1,1-Dichloroethene	50.00	41.86	84	74-122	66-130	
Ethylbenzene	50.00	48.13	96	76-120	69-127	
Toluene	50.00	49.59	99	77-120	70-127	
Trichloroethene	50.00	48.75	97	80-120	73-127	
Vinyl Chloride	50.00	42.19	84	68-122	59-131	
p/m-Xylene	100.0	97.86	98	75-125	67-133	
o-Xylene	50.00	49.06	98	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.34	95	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 18 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9216	**LCS**	**Solid**	**GC/MS Q**	**12/19/14**	**12/19/14 10:36**	**141219L002**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.26	101	78-120	71-127	
Carbon Tetrachloride	50.00	54.92	110	49-139	34-154	
Chlorobenzene	50.00	50.81	102	79-120	72-127	
1,2-Dibromoethane	50.00	49.71	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.83	98	75-120	68-128	
1,2-Dichloroethane	50.00	49.88	100	80-120	73-127	
1,1-Dichloroethene	50.00	45.59	91	74-122	66-130	
Ethylbenzene	50.00	52.15	104	76-120	69-127	
Toluene	50.00	52.68	105	77-120	70-127	
Trichloroethene	50.00	52.64	105	80-120	73-127	
Vinyl Chloride	50.00	43.10	86	68-122	59-131	
p/m-Xylene	100.0	105.7	106	75-125	67-133	
o-Xylene	50.00	52.51	105	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	45.52	91	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1563
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 19 of 19

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9217	**LCS**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 16:05**	**141219L024**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	53.60	107	78-120	71-127	
Carbon Tetrachloride	50.00	62.09	124	49-139	34-154	
Chlorobenzene	50.00	52.76	106	79-120	72-127	
1,2-Dibromoethane	50.00	53.01	106	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.96	102	75-120	68-128	
1,2-Dichloroethane	50.00	49.95	100	80-120	73-127	
1,1-Dichloroethene	50.00	52.25	104	74-122	66-130	
Ethylbenzene	50.00	54.57	109	76-120	69-127	
Toluene	50.00	53.91	108	77-120	70-127	
Trichloroethene	50.00	52.08	104	80-120	73-127	
Vinyl Chloride	50.00	50.29	101	68-122	59-131	
p/m-Xylene	100.0	111.2	111	75-125	67-133	
o-Xylene	50.00	56.92	114	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.81	96	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-12-1563 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

DATE: 12/16/14
PAGE: 1 OF 3

WO NO. / LAB USE ONLY: **14-12-1563**

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: (714) 632-9968 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Richard Frizzell / Tommy Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
COMPOSITE SOIL SAMPLES
COMBINE BOTH SAMPLE TUBES TO
COLLECT COMPOSITE SAMPLES
SAMPLES TO BE REPORTED FROM 0'-5'

REQUESTED ANALYSES
Please check box or fill in blank as needed.

	LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO 8015	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Carbon Chain	TPH 418.1	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) O-Chlor	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Phos Pesticides 8141	Herbicides 8151	PCBs 8310
55	1-2	Bb-01 (0-5')	12/15/14	0755	Soil	2	X			X		X	X		X				X					X	X	X
56	3-4	Bb-02 (0-5')		0755						X		X	X		X				X					X	X	X
57	5-6	Bb-03 (0-5')		0810						X		X	X		X				X					X	X	X
58	7-8	Bb-04 (0-5')		0815						X		X	X		X				X					X	X	X
59	9-10	Bb-05 (0-5')		0855						X		X	X		X				X					X	X	X
60	11-12	Bb-06 (0-5')		0850						X		X	X		X				X					X	X	X
61	13-14	Bb-07 (0-5')		0910						X		X	X		X				X					X	X	X
62	15-16	Bb-08 (0-5')		0920						X		X	X		X				X					X	X	X
63	17-18	Bb-09 (0-5')		0930						X		X	X		X				X					X	X	X
64	19-20	Bb-10 (0-5')		0945						X		X	X		X				X					X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC 1	Date: 12/16/14	Time: 14:38
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
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CHAIN-OF-CUSTODY RECORD

DATE: 12/16/14
PAGE: 2 OF 3

WO NO. / LAB USE ONLY: 14-12-1563

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N. Jefferson St, Suite J
CITY: Anaheim STATE: CA ZIP: 92806
TEL: 714-632-9969 x110
E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Tommy Smith, Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
COMPOSITE SOIL SAMPLES
COMBINE BOTH SAMPLE TUBES
COLLECT COMPOSITE SAMPLE
SAMPLES TO BE REPORTED FROM 0'-5'

REQUESTED ANALYSES
Please check box or fill in blank as needed.

	LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO 8015	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Chevron Chem	TPH 418.1	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) O-Chlor	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	8015 Phos Pesticides 8141	8151 Herbicides	8310 PAHs	
65	21-22	Bb-11 (0-5')	12/15/14	0955	Soil	2	X			X		X	X		X				X					X	X	X	
66	23-24	Bb-12 (0-5')		1025						X		X	X		X				X					X	X	X	
67	25-26	Bb-13 (0-5')		1010						X		X	X		X				X					X	X	X	
68	27-28	Bb-14 (0-5')		1023						X		X	X		X				X					X	X	X	
69	29-30	Bb-15 (0-5')		1018						X		X	X		X				X					X	X	X	
70	31-32	Bb-16 (0-5')		1008						X		X	X		X				X					X	X	X	
71	33-34	Bb-17 (0-5')		0945						X		X	X		X				X					X	X	X	
72	35-36	Bb-18 (0-5')		0940						X		X	X		X				X					X	X	X	
73	37-38	Bb-19 (0-5')		0930						X		X	X		X				X					X	X	X	
74	39-40	Bb-20 (0-5')		0921						X		X	X		X				X					X	X	X	

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	ECI	12/16/14	14:30
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
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CHAIN-OF-CUSTODY RECORD

DATE: 12/16/14
PAGE: 3 OF 3

WO NO. / LAB USE ONLY: 14-12-1563

LABORATORY CLIENT: GC Environmental Inc
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim CA STATE: 92806 ZIP:
TEL: (714) 632-9969 x116 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-35
P.O. NO.:
PROJECT CONTACT: Richard Frizzell | Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Tommy Smith, Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
COMPOSITE SOIL SAMPLES
COMBINE BOTH SAMPLE TUBES
COLLECT COMPOSITE SAMPLE
SAMPLES TO BE REPORTED FROM 0'-5'
Bb-26 & Bb-27 HOLD

REQUESTED ANALYSES
Please check box or fill in blank as needed.

	LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO 8015	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Carbon Chain	TPH 418.1	BTEX / MTBE ☐ 8260 ☐	VOCs (8260) O-Chlor	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	O-Phos Pesticides 8141	Herbicides 8151	PAHs 8310	HOLD-DO NOT TEST
75	41-42	Bb-21 (0-5')	12/15/14	0912	Soil	2	X			X		X	X		X									X	X	X	
76	43-44	Bb-22 (0-5')		0905						X		X	X		X									X	X	X	
77	45-46	Bb-23 (0-5')		0850						X		X	X		X									X	X	X	
78	47-48	Bb-24 (0-5')		0835						X		X	X		X									X	X	X	
79	49-50	Bb-25 (0-5')		0830						X		X	X		X									X	X	X	
80	51-52	Bb-26 (0-5')	12/15/14	1035	Soil	2	X																				X
81	53-54	Bb-27 (0-5')		0825																							X
		TRIP BLANK	TB01	TB01	Water	1						X		12/16/14	2:38PM											X	

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[signature]	[signature] EC1	12/16/14	14:38
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WORK ORDER #: 14-12-1 5 6 3

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GC Environmental

DATE: 12/16/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.1 °C - 0.2 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 862

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 862

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 965

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 300

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 300

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WORK ORDER NUMBER: 14-12-1562

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Richard Frizzell
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 12/23/2014 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-12-1562

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Work Order Narrative

Work Order: 14-12-1562 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 12/16/14. They were assigned to Work Order 14-12-1562.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	14-12-1562
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	12/16/14 14:38
		Number of Containers:	8
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Bc-01-01	14-12-1562-1	12/15/14 13:03	1	Solid
Bc-01-05	14-12-1562-2	12/15/14 13:03	1	Solid
Bc-02-01	14-12-1562-3	12/15/14 14:15	1	Solid
Bc-02-05	14-12-1562-4	12/15/14 14:15	1	Solid
Bc-03-01	14-12-1562-5	12/15/14 15:00	1	Solid
Bc-03-05	14-12-1562-6	12/15/14 15:00	1	Solid
Bc-06-01	14-12-1562-7	12/15/14 15:30	1	Solid
Bc-06-05	14-12-1562-8	12/15/14 15:30	1	Solid

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Detections Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order: Project Name: Received:	14-12-1562 EI (Barstow) / 1443-3-5 12/16/14
Attn:	Richard Frizzell		Page 1 of 1

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Bc-01-01 (14-12-1562-1)						
TRPH	4100		500	mg/kg	EPA 418.1M	N/A
C17-C18	7.3		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C19-C20	12		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C21-C22	28		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C23-C24	55		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C25-C28	120		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C29-C32	210		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C33-C36	170		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C37-C40	140		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C41-C44	96		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C6-C44 Total	850		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
Bc-02-01 (14-12-1562-3)						
TRPH	12		10	mg/kg	EPA 418.1M	N/A
C33-C36	8.0		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
C6-C44 Total	12		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
Bc-03-01 (14-12-1562-5)						
TRPH	38		10	mg/kg	EPA 418.1M	N/A
C25-C28	11		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C29-C32	19		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C33-C36	22		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C6-C44 Total	59		5.0	mg/kg	EPA 8015B (M)	EPA 3550B
Bc-06-01 (14-12-1562-7)						
TRPH	200		10	mg/kg	EPA 418.1M	N/A
C19-C20	9.2		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C21-C22	17		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C23-C24	36		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C25-C28	91		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C29-C32	170		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C33-C36	150		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C37-C40	97		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C41-C44	51		4.9	mg/kg	EPA 8015B (M)	EPA 3550B
C6-C44 Total	640		5.0	mg/kg	EPA 8015B (M)	EPA 3550B

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-01	**14-12-1562-1-A**	**12/15/14 13:03**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	4100	500	50.0	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-05	**14-12-1562-2-A**	**12/15/14 13:03**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-01	**14-12-1562-3-A**	**12/15/14 14:15**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	12	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-05	**14-12-1562-4-A**	**12/15/14 14:15**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-01	**14-12-1562-5-A**	**12/15/14 15:00**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	38	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-05	**14-12-1562-6-A**	**12/15/14 15:00**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-01	**14-12-1562-7-A**	**12/15/14 15:30**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	200	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-05	**14-12-1562-8-A**	**12/15/14 15:30**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-015-2045**	**N/A**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-01	**14-12-1562-1-A**	**12/15/14 13:03**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 07:47**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	7.3	5.0	1.00	
C19-C20	12	5.0	1.00	
C21-C22	28	5.0	1.00	
C23-C24	55	5.0	1.00	
C25-C28	120	5.0	1.00	
C29-C32	210	5.0	1.00	
C33-C36	170	5.0	1.00	
C37-C40	140	5.0	1.00	
C41-C44	96	5.0	1.00	
C6-C44 Total	850	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-05	**14-12-1562-2-A**	**12/15/14 13:03**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 06:13**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-01	**14-12-1562-3-A**	**12/15/14 14:15**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 06:28**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	8.0	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	12	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-05	**14-12-1562-4-A**	**12/15/14 14:15**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 06:44**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-01	**14-12-1562-5-A**	**12/15/14 15:00**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 07:31**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	11	4.9	1.00	
C29-C32	19	4.9	1.00	
C33-C36	22	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	59	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-05	**14-12-1562-6-A**	**12/15/14 15:00**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 07:00**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-01	**14-12-1562-7-A**	**12/15/14 15:30**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 08:03**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	9.2	4.9	1.00	
C21-C22	17	4.9	1.00	
C23-C24	36	4.9	1.00	
C25-C28	91	4.9	1.00	
C29-C32	170	4.9	1.00	
C33-C36	150	4.9	1.00	
C37-C40	97	4.9	1.00	
C41-C44	51	4.9	1.00	
C6-C44 Total	640	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-05	**14-12-1562-8-A**	**12/15/14 15:30**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 07:16**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1323**	**N/A**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 05:10**	**141217B06**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-01	**14-12-1562-1-A**	**12/15/14 13:03**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 14:34**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	100	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-05	**14-12-1562-2-A**	**12/15/14 13:03**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 15:08**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-01	**14-12-1562-3-A**	**12/15/14 14:15**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 15:41**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	105	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-05	**14-12-1562-4-A**	**12/15/14 14:15**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 16:15**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	101	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-01	**14-12-1562-5-A**	**12/15/14 15:00**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 16:49**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	101	42-126	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-05	**14-12-1562-6-A**	**12/15/14 15:00**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 17:23**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	104	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-01	**14-12-1562-7-A**	**12/15/14 15:30**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 17:56**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	103	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-05	**14-12-1562-8-A**	**12/15/14 15:30**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 18:30**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.52	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	85	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-2035**	**N/A**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 12:33**	**141217L049**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 1 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-01	**14-12-1562-1-A**	**12/15/14 13:03**	**Solid**	**GC/MS V V**	**12/16/14**	**12/19/14 19:48**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 2 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-132	
Dibromofluoromethane	121	63-141	
1,2-Dichloroethane-d4	125	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 3 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-01-05	**14-12-1562-2-A**	**12/15/14 13:03**	**Solid**	**GC/MS Q**	**12/16/14**	**12/18/14 12:25**	**141218L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 4 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 5 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-01	**14-12-1562-3-A**	**12/15/14 14:15**	**Solid**	**GC/MS V V**	**12/16/14**	**12/19/14 20:16**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 6 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Xylenes (total)	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-132	
Dibromofluoromethane	124	63-141	
1,2-Dichloroethane-d4	130	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 7 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-02-05	**14-12-1562-4-A**	**12/15/14 14:15**	**Solid**	**GC/MS V V**	**12/16/14**	**12/19/14 20:44**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	24	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	24	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 8 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Xylenes (total)	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	121	63-141	
1,2-Dichloroethane-d4	124	62-146	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 9 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-01	**14-12-1562-5-A**	**12/15/14 15:00**	**Solid**	**GC/MS V V**	**12/16/14**	**12/19/14 21:12**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 10 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-132	
Dibromofluoromethane	121	63-141	
1,2-Dichloroethane-d4	124	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 11 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-03-05	**14-12-1562-6-A**	**12/15/14 15:00**	**Solid**	**GC/MS Q**	**12/16/14**	**12/19/14 02:32**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 12 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Xylenes (total)	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 13 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-01	**14-12-1562-7-A**	**12/15/14 15:30**	**Solid**	**GC/MS Q**	**12/16/14**	**12/19/14 02:58**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 14 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Xylenes (total)	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 15 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bc-06-05	**14-12-1562-8-A**	**12/15/14 15:30**	**Solid**	**GC/MS Q**	**12/16/14**	**12/19/14 03:24**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 16 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Xylenes (total)	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	89	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 17 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9214**	**N/A**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 11:29**	**141218L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 18 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 19 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9220**	**N/A**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 23:56**	**141218L064**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 20 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	88	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 21 of 22

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9217**	**N/A**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 17:01**	**141219L024**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: EI (Barstow) / 1443-3-5			Page 22 of 22

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Xylenes (total)	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-132	
Dibromofluoromethane	115	63-141	
1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-03-05	**Sample**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**
Bc-03-05	**Matrix Spike**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**
Bc-03-05	**Matrix Spike Duplicate**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TRPH	ND	100.0	84.06	84	86.96	87	55-135	3	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-03-05	**Sample**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 07:00**	**141217S06**
Bc-03-05	**Matrix Spike**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 05:41**	**141217S06**
Bc-03-05	**Matrix Spike Duplicate**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 05:57**	**141217S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	338.4	85	335.7	84	64-130	1	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-01-05	**Sample**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 15:08**	**141217S029**
Bc-01-05	**Matrix Spike**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 19:04**	**141217S029**
Bc-01-05	**Matrix Spike Duplicate**	**Solid**	**GC 24**	**12/16/14**	**12/17/14 19:38**	**141217S029**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	10.00	9.399	94	9.562	96	48-114	2	0-23	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bc-01-05	**Sample**	**Solid**	**GC/MS Q**	**12/16/14**	**12/18/14 12:25**	**141218S001**
Bc-01-05	**Matrix Spike**	**Solid**	**GC/MS Q**	**12/16/14**	**12/18/14 12:51**	**141218S001**
Bc-01-05	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**12/16/14**	**12/18/14 13:17**	**141218S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	41.58	83	43.84	88	61-127	5	0-20	
Carbon Tetrachloride	ND	50.00	43.63	87	48.05	96	51-135	10	0-29	
Chlorobenzene	ND	50.00	43.94	88	46.23	92	57-123	5	0-20	
1,2-Dibromoethane	ND	50.00	47.11	94	47.91	96	64-124	2	0-20	
1,2-Dichlorobenzene	ND	50.00	42.97	86	43.73	87	35-131	2	0-25	
1,2-Dichloroethane	ND	50.00	50.07	100	50.23	100	80-120	0	0-20	
1,1-Dichloroethene	ND	50.00	37.15	74	40.02	80	47-143	7	0-25	
Ethylbenzene	ND	50.00	44.14	88	46.85	94	57-129	6	0-22	
Toluene	ND	50.00	43.79	88	46.60	93	63-123	6	0-20	
Trichloroethene	ND	50.00	44.55	89	46.93	94	44-158	5	0-20	
Vinyl Chloride	ND	50.00	41.93	84	40.49	81	49-139	3	0-47	
p/m-Xylene	ND	100.0	88.61	89	94.94	95	70-130	7	0-30	
o-Xylene	ND	50.00	44.59	89	47.42	95	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.99	88	42.95	86	57-123	2	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1563-65	**Sample**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 00:48**	**141218S039**
14-12-1563-65	**Matrix Spike**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 01:14**	**141218S039**
14-12-1563-65	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**12/17/14**	**12/19/14 01:40**	**141218S039**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	40.61	81	40.90	82	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	38.61	77	39.62	79	51-135	3	0-29	
Chlorobenzene	ND	50.00	38.32	77	39.17	78	57-123	2	0-20	
1,2-Dibromoethane	ND	50.00	41.11	82	41.40	83	64-124	1	0-20	
1,2-Dichlorobenzene	ND	50.00	31.93	64	32.18	64	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	39.04	78	40.22	80	80-120	3	0-20	3
1,1-Dichloroethene	ND	50.00	35.51	71	36.69	73	47-143	3	0-25	
Ethylbenzene	ND	50.00	38.98	78	39.74	79	57-129	2	0-22	
Toluene	ND	50.00	40.84	82	41.93	84	63-123	3	0-20	
Trichloroethene	ND	50.00	40.69	81	41.68	83	44-158	2	0-20	
Vinyl Chloride	ND	50.00	37.76	76	38.78	78	49-139	3	0-47	
p/m-Xylene	ND	100.0	77.58	78	79.68	80	70-130	3	0-30	
o-Xylene	ND	50.00	38.73	77	39.69	79	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	40.01	80	40.23	80	57-123	1	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-1783-1	**Sample**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 17:56**	**141219S013**
14-12-1783-1	**Matrix Spike**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 18:24**	**141219S013**
14-12-1783-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 18:52**	**141219S013**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	57.81	116	53.63	107	61-127	8	0-20	
Carbon Tetrachloride	ND	50.00	69.59	139	67.22	134	51-135	3	0-29	3
Chlorobenzene	ND	50.00	54.66	109	51.33	103	57-123	6	0-20	
1,2-Dibromoethane	ND	50.00	53.37	107	50.03	100	64-124	6	0-20	
1,2-Dichlorobenzene	ND	50.00	49.54	99	47.09	94	35-131	5	0-25	
1,2-Dichloroethane	ND	50.00	53.55	107	49.53	99	80-120	8	0-20	
1,1-Dichloroethene	ND	50.00	54.72	109	57.72	115	47-143	5	0-25	
Ethylbenzene	ND	50.00	55.96	112	52.79	106	57-129	6	0-22	
Toluene	ND	50.00	58.27	117	53.97	108	63-123	8	0-20	
Trichloroethene	ND	50.00	92.04	184	87.54	175	44-158	5	0-20	3
Vinyl Chloride	ND	50.00	55.05	110	53.03	106	49-139	4	0-47	
p/m-Xylene	ND	100.0	117.9	118	109.1	109	70-130	8	0-30	
o-Xylene	ND	50.00	58.15	116	54.56	109	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.10	92	44.75	89	57-123	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 418.1M
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-07-015-2045	**LCS**	**Solid**	**IR 2**	**12/18/14**	**12/18/14 05:27**	**141218L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TRPH	100.0	97.24	97	70-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1323	**LCS**	**Solid**	**GC 48**	**12/17/14**	**12/18/14 05:25**	**141217B06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	346.4	87	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-2035	**LCS**	**Solid**	**GC 24**	**12/17/14**	**12/17/14 12:00**	**141217L049**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.15	101	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9214	**LCS**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 10:30**	**141218L002**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.82	96	78-120	71-127	
Carbon Tetrachloride	50.00	53.28	107	49-139	34-154	
Chlorobenzene	50.00	50.01	100	79-120	72-127	
1,2-Dibromoethane	50.00	49.43	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.39	95	75-120	68-128	
1,2-Dichloroethane	50.00	53.39	107	80-120	73-127	
1,1-Dichloroethene	50.00	43.48	87	74-122	66-130	
Ethylbenzene	50.00	50.40	101	76-120	69-127	
Toluene	50.00	50.55	101	77-120	70-127	
Trichloroethene	50.00	51.14	102	80-120	73-127	
Vinyl Chloride	50.00	44.43	89	68-122	59-131	
p/m-Xylene	100.0	101.9	102	75-125	67-133	
o-Xylene	50.00	51.61	103	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	45.96	92	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9220	**LCS**	**Solid**	**GC/MS Q**	**12/18/14**	**12/18/14 23:04**	**141218L064**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.41	97	78-120	71-127	
Carbon Tetrachloride	50.00	46.00	92	49-139	34-154	
Chlorobenzene	50.00	48.95	98	79-120	72-127	
1,2-Dibromoethane	50.00	49.79	100	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.84	92	75-120	68-128	
1,2-Dichloroethane	50.00	46.75	94	80-120	73-127	
1,1-Dichloroethene	50.00	41.86	84	74-122	66-130	
Ethylbenzene	50.00	48.13	96	76-120	69-127	
Toluene	50.00	49.59	99	77-120	70-127	
Trichloroethene	50.00	48.75	97	80-120	73-127	
Vinyl Chloride	50.00	42.19	84	68-122	59-131	
p/m-Xylene	100.0	97.86	98	75-125	67-133	
o-Xylene	50.00	49.06	98	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.34	95	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	12/16/14
1230 N. Jefferson Street, Suite J		Work Order:	14-12-1562
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9217	**LCS**	**Solid**	**GC/MS V V**	**12/19/14**	**12/19/14 16:05**	**141219L024**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	53.60	107	78-120	71-127	
Carbon Tetrachloride	50.00	62.09	124	49-139	34-154	
Chlorobenzene	50.00	52.76	106	79-120	72-127	
1,2-Dibromoethane	50.00	53.01	106	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.96	102	75-120	68-128	
1,2-Dichloroethane	50.00	49.95	100	80-120	73-127	
1,1-Dichloroethene	50.00	52.25	104	74-122	66-130	
Ethylbenzene	50.00	54.57	109	76-120	69-127	
Toluene	50.00	53.91	108	77-120	70-127	
Trichloroethene	50.00	52.08	104	80-120	73-127	
Vinyl Chloride	50.00	50.29	101	68-122	59-131	
p/m-Xylene	100.0	111.2	111	75-125	67-133	
o-Xylene	50.00	56.92	114	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.81	96	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-12-1562

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 12/16/14
PAGE: 1 OF 1

WO NO. / LAB USE ONLY: **14-12-1562**

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 North Jefferson Street, Suite J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: (714) 632-9969 x110
E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell / Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell / Tommy Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO 8015	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Carbon Chain 8015	TPH ___ 418.1	BTEX / MTBE ☐ 8260 ☐ ___	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	Bc-01-01	12/15/14	1303	Soil	1	X			X		X	X		X												
2	Bc-01-05		1303			X			X		X	X		X												
3	Bc-02-01		1415			X			X		X	X		X												
4	Bc-02-05		1415			X			X		X	X		X												
5	Bc-03-01		1500			X			X		X	X		X												
6	Bc-03-05		1500			X			X		X	X		X												
7	Bc-06-01		1530			X			X		X	X		X												
8	Bc-06-05		1530			X			X		X	X		X												
	~~TRIP BLANK~~	~~TB01~~	~~TB01~~	~~Water~~	~~1~~						X			X		12/16/14	2:38PM									

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	EGI	12/16/14	14:38
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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WORK ORDER #: 14-12-1562

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GC Environmental, Inc

DATE: 12/16/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 3.2 °C - 0.2 °C (CF) = 3.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 862

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 862

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 965

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 965

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 619

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 619

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WORK ORDER NUMBER: 15-01-0383

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Richard Frizzell
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 01/20/2015 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-01-0383

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Work Order Narrative

Work Order: 15-01-0383 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/08/15. They were assigned to Work Order 15-01-0383.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	15-01-0383
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	01/08/15 14:50
		Number of Containers:	98
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Well #1	15-01-0383-1	01/08/15 10:10	18	Aqueous
Well #2	15-01-0383-2	01/08/15 10:40	18	Aqueous
Well #3	15-01-0383-3	01/08/15 10:55	18	Aqueous
TRIPBLANK	15-01-0383-4	01/08/15 00:00	4	Aqueous
Well #4	15-01-0383-5	01/08/15 11:25	15	Aqueous
TRIPBLANK	15-01-0383-6	01/08/15 00:00	3	Aqueous
Well #5	15-01-0383-7	01/08/15 09:45	18	Aqueous
TRIPBLANKS	15-01-0383-8	01/08/15 00:00	4	Aqueous

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Detections Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order: Project Name: Received:	15-01-0383 EI (Barstow) / 1443-3-5 01/08/15
Attn:	Richard Frizzell		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Well #1 (15-01-0383-1)						
Fluoride	0.55		0.10	mg/L	EPA 300.0	N/A
Chloride	81		1.0	mg/L	EPA 300.0	N/A
Iron	0.809		0.100	mg/L	EPA 6010B	EPA 3010A Total
Specific Conductance	740		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	540		1.00	mg/L	SM 2540 C	N/A
pH	7.26	BV,BU	0.01	pH units	SM 4500 H+ B	N/A
Well #2 (15-01-0383-2)						
Fluoride	0.64		0.10	mg/L	EPA 300.0	N/A
Chloride	80		1.0	mg/L	EPA 300.0	N/A
Iron	0.955		0.100	mg/L	EPA 6010B	EPA 3010A Total
Specific Conductance	740		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	515		1.00	mg/L	SM 2540 C	N/A
pH	7.22	BV,BU	0.01	pH units	SM 4500 H+ B	N/A
Well #3 (15-01-0383-3)						
Fluoride	0.70		0.10	mg/L	EPA 300.0	N/A
Chloride	92		1.0	mg/L	EPA 300.0	N/A
Specific Conductance	810		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	570		1.00	mg/L	SM 2540 C	N/A
pH	7.25	BV,BU	0.01	pH units	SM 4500 H+ B	N/A
Well #4 (15-01-0383-5)						
Fluoride	0.66		0.10	mg/L	EPA 300.0	N/A
Chloride	84		1.0	mg/L	EPA 300.0	N/A
Specific Conductance	750		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	540		1.00	mg/L	SM 2540 C	N/A
pH	7.27	BV,BU	0.01	pH units	SM 4500 H+ B	N/A
Well #5 (15-01-0383-7)						
Fluoride	0.53		0.10	mg/L	EPA 300.0	N/A
Chloride	110		2.0	mg/L	EPA 300.0	N/A
Specific Conductance	940		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	675		1.00	mg/L	SM 2540 C	N/A
pH	7.32	BV,BU	0.01	pH units	SM 4500 H+ B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-O**	**01/08/15 10:10**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 18:17**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.55	0.10	1.00	
Chloride	81	1.0	1.00	

Well #2	**15-01-0383-2-O**	**01/08/15 10:40**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 18:33**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.64	0.10	1.00	
Chloride	80	1.0	1.00	

Well #3	**15-01-0383-3-O**	**01/08/15 10:55**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 18:50**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.70	0.10	1.00	
Chloride	92	1.0	1.00	

Well #4	**15-01-0383-5-N**	**01/08/15 11:25**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 19:07**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.66	0.10	1.00	
Chloride	84	1.0	1.00	

Well #5	**15-01-0383-7-N**	**01/08/15 09:45**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 19:24**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.53	0.10	1.00	

Well #5	**15-01-0383-7-N**	**01/08/15 09:45**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 20:14**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Chloride	110	2.0	2.00	

Method Blank	**099-12-906-5332**	**N/A**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 11:40**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	ND	0.10	1.00	
Chloride	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-N**	**01/08/15 10:10**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 17:02**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Well #2	**15-01-0383-2-N**	**01/08/15 10:40**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 17:18**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Well #3	**15-01-0383-3-N**	**01/08/15 10:55**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 17:33**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Well #4	**15-01-0383-5-O**	**01/08/15 11:25**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 17:49**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Well #5	**15-01-0383-7-N**	**01/08/15 09:45**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 18:04**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Method Blank	**099-16-242-210**	**N/A**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 13:52**	**150108L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2510 B
		Units:	umhos/cm
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-M**	**01/08/15 10:10**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	740	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-M**	**01/08/15 10:40**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	740	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-M**	**01/08/15 10:55**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	810	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-M**	**01/08/15 11:25**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	750	1.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-M**	**01/08/15 09:45**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	940	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-M**	**01/08/15 10:10**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	540	1.00	1.00	

Well #2	**15-01-0383-2-M**	**01/08/15 10:40**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	515	1.00	1.00	

Well #3	**15-01-0383-3-M**	**01/08/15 10:55**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	570	1.00	1.00	

Well #4	**15-01-0383-5-M**	**01/08/15 11:25**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	540	1.00	1.00	

Well #5	**15-01-0383-7-M**	**01/08/15 09:45**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	675	1.00	1.00	

Method Blank	**099-12-180-4379**	**N/A**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 4500 H+ B
		Units:	pH units
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-M**	**01/08/15 10:10**	**Aqueous**	**PH 1**	**01/08/15**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.26	0.01	1.00	BV,BU

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-M**	**01/08/15 10:40**	**Aqueous**	**PH 1**	**01/08/15**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.22	0.01	1.00	BV,BU

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-M**	**01/08/15 10:55**	**Aqueous**	**PH 1**	**01/08/15**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.25	0.01	1.00	BV,BU

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-M**	**01/08/15 11:25**	**Aqueous**	**PH 1**	**01/08/15**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.27	0.01	1.00	BV,BU

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-M**	**01/08/15 09:45**	**Aqueous**	**PH 1**	**01/08/15**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.32	0.01	1.00	BV,BU

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-K**	**01/08/15 10:10**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

Well #2	**15-01-0383-2-K**	**01/08/15 10:40**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

Well #3	**15-01-0383-3-K**	**01/08/15 10:55**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

Well #4	**15-01-0383-5-K**	**01/08/15 11:25**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

Well #5	**15-01-0383-7-K**	**01/08/15 09:45**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

Method Blank	**099-07-016-1224**	**N/A**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Result	RL	DF	Qualifiers
TRPH	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-L**	**01/08/15 10:10**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:40**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-L**	**01/08/15 10:40**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:57**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-L**	**01/08/15 10:55**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:15**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-L**	**01/08/15 11:25**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:34**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-L**	**01/08/15 09:45**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:53**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-278-798**	**N/A**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:07**	**150109B19**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-L**	**01/08/15 10:10**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:40**	**150109B18**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Well #2	15-01-0383-2-L	01/08/15 10:40	Aqueous	GC 45	01/09/15	01/09/15 19:57	150109B18

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Well #3	15-01-0383-3-L	01/08/15 10:55	Aqueous	GC 45	01/09/15	01/09/15 20:15	150109B18

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

Well #4	15-01-0383-5-L	01/08/15 11:25	Aqueous	GC 45	01/09/15	01/09/15 20:34	150109B18

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

Well #5	15-01-0383-7-L	01/08/15 09:45	Aqueous	GC 45	01/09/15	01/09/15 20:53	150109B18

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-304-918**	**N/A**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:07**	**150109B18**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-L**	**01/08/15 10:10**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:40**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	1.00	
C7	ND	49	1.00	
C8	ND	49	1.00	
C9-C10	ND	49	1.00	
C11-C12	ND	49	1.00	
C13-C14	ND	49	1.00	
C15-C16	ND	49	1.00	
C17-C18	ND	49	1.00	
C19-C20	ND	49	1.00	
C21-C22	ND	49	1.00	
C23-C24	ND	49	1.00	
C25-C28	ND	49	1.00	
C29-C32	ND	49	1.00	
C33-C36	ND	49	1.00	
C37-C40	ND	49	1.00	
C41-C44	ND	49	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-L**	**01/08/15 10:40**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:57**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	1.00	
C7	ND	49	1.00	
C8	ND	49	1.00	
C9-C10	ND	49	1.00	
C11-C12	ND	49	1.00	
C13-C14	ND	49	1.00	
C15-C16	ND	49	1.00	
C17-C18	ND	49	1.00	
C19-C20	ND	49	1.00	
C21-C22	ND	49	1.00	
C23-C24	ND	49	1.00	
C25-C28	ND	49	1.00	
C29-C32	ND	49	1.00	
C33-C36	ND	49	1.00	
C37-C40	ND	49	1.00	
C41-C44	ND	49	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-L**	**01/08/15 10:55**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:15**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	1.00	
C7	ND	49	1.00	
C8	ND	49	1.00	
C9-C10	ND	49	1.00	
C11-C12	ND	49	1.00	
C13-C14	ND	49	1.00	
C15-C16	ND	49	1.00	
C17-C18	ND	49	1.00	
C19-C20	ND	49	1.00	
C21-C22	ND	49	1.00	
C23-C24	ND	49	1.00	
C25-C28	ND	49	1.00	
C29-C32	ND	49	1.00	
C33-C36	ND	49	1.00	
C37-C40	ND	49	1.00	
C41-C44	ND	49	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-L**	**01/08/15 11:25**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:34**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-L**	**01/08/15 09:45**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 20:53**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-472-335**	**N/A**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:07**	**150109B18A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-E**	**01/08/15 10:10**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 20:44**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-E**	**01/08/15 10:40**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 21:17**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-E**	**01/08/15 10:55**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 21:51**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-C**	**01/08/15 11:25**	**Aqueous**	**GC 25**	**01/13/15**	**01/14/15 09:15**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-E**	**01/08/15 09:45**	**Aqueous**	**GC 25**	**01/13/15**	**01/14/15 10:26**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-9813**	**N/A**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 15:11**	**150113L031**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	77	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-P**	**01/08/15 10:10**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/12/15 15:04**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	0.809	0.100	1.00	

Well #2	**15-01-0383-2-P**	**01/08/15 10:40**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/12/15 15:05**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	0.955	0.100	1.00	

Well #3	**15-01-0383-3-P**	**01/08/15 10:55**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/12/15 15:11**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	ND	0.100	1.00	

Well #4	**15-01-0383-5-P**	**01/08/15 11:25**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/12/15 15:13**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	ND	0.100	1.00	

Well #5	**15-01-0383-7-D**	**01/08/15 09:45**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/12/15 15:14**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	ND	0.100	1.00	

Method Blank	**097-01-003-14788**	**N/A**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/09/15 14:48**	**150109LA1**

Parameter	Result	RL	DF	Qualifiers
Iron	ND	0.100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM9221B
		Units:	MPN/100ml
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-R**	**01/08/15 10:10**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Well #2	**15-01-0383-2-R**	**01/08/15 10:40**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Well #3	**15-01-0383-3-R**	**01/08/15 10:55**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Well #4	**15-01-0383-5-R**	**01/08/15 11:25**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Well #5	**15-01-0383-7-R**	**01/08/15 09:45**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Method Blank	**099-15-102-409**	**N/A**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108TCB01**
Parameter				Result		Qualifiers	
Total Coliform				<18			

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM9221B/E
		Units:	MPN/100ml
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-R**	**01/08/15 10:10**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Well #2	**15-01-0383-2-R**	**01/08/15 10:40**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Well #3	**15-01-0383-3-R**	**01/08/15 10:55**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Well #4	**15-01-0383-5-R**	**01/08/15 11:25**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Well #5	**15-01-0383-7-R**	**01/08/15 09:45**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Method Blank	**099-15-106-346**	**N/A**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/08/15 16:50**	**E0108FCB01**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-G**	**01/08/15 10:10**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 16:39**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.096	1.00	
Gamma-BHC	ND	0.096	1.00	
Beta-BHC	ND	0.096	1.00	
Heptachlor	ND	0.096	1.00	
Delta-BHC	ND	0.096	1.00	
Aldrin	ND	0.096	1.00	
Heptachlor Epoxide	ND	0.096	1.00	
Endosulfan I	ND	0.096	1.00	
Dieldrin	ND	0.096	1.00	
4,4'-DDE	ND	0.096	1.00	
Endrin	ND	0.096	1.00	
Endrin Aldehyde	ND	0.096	1.00	
4,4'-DDD	ND	0.096	1.00	
Endosulfan II	ND	0.096	1.00	
4,4'-DDT	ND	0.096	1.00	
Endosulfan Sulfate	ND	0.096	1.00	
Methoxychlor	ND	0.096	1.00	
Chlordane	ND	0.96	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.096	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	50-135	
2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-G**	**01/08/15 10:40**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 17:56**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.096	1.00	
Gamma-BHC	ND	0.096	1.00	
Beta-BHC	ND	0.096	1.00	
Heptachlor	ND	0.096	1.00	
Delta-BHC	ND	0.096	1.00	
Aldrin	ND	0.096	1.00	
Heptachlor Epoxide	ND	0.096	1.00	
Endosulfan I	ND	0.096	1.00	
Dieldrin	ND	0.096	1.00	
4,4'-DDE	ND	0.096	1.00	
Endrin	ND	0.096	1.00	
Endrin Aldehyde	ND	0.096	1.00	
4,4'-DDD	ND	0.096	1.00	
Endosulfan II	ND	0.096	1.00	
4,4'-DDT	ND	0.096	1.00	
Endosulfan Sulfate	ND	0.096	1.00	
Methoxychlor	ND	0.096	1.00	
Chlordane	ND	0.96	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.096	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	50-135	
2,4,5,6-Tetrachloro-m-Xylene	79	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-G**	**01/08/15 10:55**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 18:11**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.096	1.00	
Gamma-BHC	ND	0.096	1.00	
Beta-BHC	ND	0.096	1.00	
Heptachlor	ND	0.096	1.00	
Delta-BHC	ND	0.096	1.00	
Aldrin	ND	0.096	1.00	
Heptachlor Epoxide	ND	0.096	1.00	
Endosulfan I	ND	0.096	1.00	
Dieldrin	ND	0.096	1.00	
4,4'-DDE	ND	0.096	1.00	
Endrin	ND	0.096	1.00	
Endrin Aldehyde	ND	0.096	1.00	
4,4'-DDD	ND	0.096	1.00	
Endosulfan II	ND	0.096	1.00	
4,4'-DDT	ND	0.096	1.00	
Endosulfan Sulfate	ND	0.096	1.00	
Methoxychlor	ND	0.096	1.00	
Chlordane	ND	0.96	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.096	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	50-135	
2,4,5,6-Tetrachloro-m-Xylene	84	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-H**	**01/08/15 11:25**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 18:25**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	50-135	
2,4,5,6-Tetrachloro-m-Xylene	104	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-I**	**01/08/15 09:45**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 18:39**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.097	1.00	
Gamma-BHC	ND	0.097	1.00	
Beta-BHC	ND	0.097	1.00	
Heptachlor	ND	0.097	1.00	
Delta-BHC	ND	0.097	1.00	
Aldrin	ND	0.097	1.00	
Heptachlor Epoxide	ND	0.097	1.00	
Endosulfan I	ND	0.097	1.00	
Dieldrin	ND	0.097	1.00	
4,4'-DDE	ND	0.097	1.00	
Endrin	ND	0.097	1.00	
Endrin Aldehyde	ND	0.097	1.00	
4,4'-DDD	ND	0.097	1.00	
Endosulfan II	ND	0.097	1.00	
4,4'-DDT	ND	0.097	1.00	
Endosulfan Sulfate	ND	0.097	1.00	
Methoxychlor	ND	0.097	1.00	
Chlordane	ND	0.97	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.097	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	50-135	
2,4,5,6-Tetrachloro-m-Xylene	87	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-773**	**N/A**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 16:25**	**150113L14**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	50-135	
2,4,5,6-Tetrachloro-m-Xylene	85	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-J**	**01/08/15 10:10**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 11:24**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0049	1.00	
Bolstar	ND	0.0049	1.00	
Chlorpyrifos	ND	0.0049	1.00	
Coumaphos	ND	0.0049	1.00	
Diazinon	ND	0.0049	1.00	
Dichlorvos	ND	0.0049	1.00	
Disulfoton	ND	0.0098	1.00	
Ethoprop	ND	0.0049	1.00	
Fensulfothion	ND	0.0049	1.00	
Fenthion	ND	0.0049	1.00	
Merphos	ND	0.0049	1.00	
Methyl Parathion	ND	0.0049	1.00	
Mevinphos	ND	0.0049	1.00	
Naled	ND	0.039	1.00	
Phorate	ND	0.0049	1.00	
Ronnel	ND	0.0049	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0049	1.00	
Trichloronate	ND	0.0049	1.00	
Demeton-o/s	ND	0.0049	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	119	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-J**	**01/08/15 10:40**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 12:06**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0049	1.00	
Bolstar	ND	0.0049	1.00	
Chlorpyrifos	ND	0.0049	1.00	
Coumaphos	ND	0.0049	1.00	
Diazinon	ND	0.0049	1.00	
Dichlorvos	ND	0.0049	1.00	
Disulfoton	ND	0.0098	1.00	
Ethoprop	ND	0.0049	1.00	
Fensulfothion	ND	0.0049	1.00	
Fenthion	ND	0.0049	1.00	
Merphos	ND	0.0049	1.00	
Methyl Parathion	ND	0.0049	1.00	
Mevinphos	ND	0.0049	1.00	
Naled	ND	0.039	1.00	
Phorate	ND	0.0049	1.00	
Ronnel	ND	0.0049	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0049	1.00	
Trichloronate	ND	0.0049	1.00	
Demeton-o/s	ND	0.0049	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	138	30-130	2,7

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-J**	**01/08/15 10:55**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 12:52**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0049	1.00	
Bolstar	ND	0.0049	1.00	
Chlorpyrifos	ND	0.0049	1.00	
Coumaphos	ND	0.0049	1.00	
Diazinon	ND	0.0049	1.00	
Dichlorvos	ND	0.0049	1.00	
Disulfoton	ND	0.0098	1.00	
Ethoprop	ND	0.0049	1.00	
Fensulfothion	ND	0.0049	1.00	
Fenthion	ND	0.0049	1.00	
Merphos	ND	0.0049	1.00	
Methyl Parathion	ND	0.0049	1.00	
Mevinphos	ND	0.0049	1.00	
Naled	ND	0.039	1.00	
Phorate	ND	0.0049	1.00	
Ronnel	ND	0.0049	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0049	1.00	
Trichloronate	ND	0.0049	1.00	
Demeton-o/s	ND	0.0049	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	137	30-130	2,7

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-J**	**01/08/15 11:25**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 13:36**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0047	1.00	
Bolstar	ND	0.0047	1.00	
Chlorpyrifos	ND	0.0047	1.00	
Coumaphos	ND	0.0047	1.00	
Diazinon	ND	0.0047	1.00	
Dichlorvos	ND	0.0047	1.00	
Disulfoton	ND	0.0094	1.00	
Ethoprop	ND	0.0047	1.00	
Fensulfothion	ND	0.0047	1.00	
Fenthion	ND	0.0047	1.00	
Merphos	ND	0.0047	1.00	
Methyl Parathion	ND	0.0047	1.00	
Mevinphos	ND	0.0047	1.00	
Naled	ND	0.038	1.00	
Phorate	ND	0.0047	1.00	
Ronnel	ND	0.0047	1.00	
Stirophos	ND	0.019	1.00	
Tokuthion	ND	0.0047	1.00	
Trichloronate	ND	0.0047	1.00	
Demeton-o/s	ND	0.0047	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	176	30-130	2,7

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-J**	**01/08/15 09:45**	**Aqueous**	**GC 26**	**01/12/15**	**01/17/15 02:03**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0048	1.00	
Bolstar	ND	0.0048	1.00	
Chlorpyrifos	ND	0.0048	1.00	
Coumaphos	ND	0.0048	1.00	
Diazinon	ND	0.0048	1.00	
Dichlorvos	ND	0.0048	1.00	
Disulfoton	ND	0.0096	1.00	
Ethoprop	ND	0.0048	1.00	
Fensulfothion	ND	0.0048	1.00	
Fenthion	ND	0.0048	1.00	
Merphos	ND	0.0048	1.00	
Methyl Parathion	ND	0.0048	1.00	
Mevinphos	ND	0.0048	1.00	
Naled	ND	0.038	1.00	
Phorate	ND	0.0048	1.00	
Ronnel	ND	0.0048	1.00	
Stirophos	ND	0.019	1.00	
Tokuthion	ND	0.0048	1.00	
Trichloronate	ND	0.0048	1.00	
Demeton-o/s	ND	0.0048	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	98	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-963-79**	**N/A**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 09:07**	**150112L29**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0050	1.00	
Bolstar	ND	0.0050	1.00	
Chlorpyrifos	ND	0.0050	1.00	
Coumaphos	ND	0.0050	1.00	
Diazinon	ND	0.0050	1.00	
Dichlorvos	ND	0.0050	1.00	
Disulfoton	ND	0.010	1.00	
Ethoprop	ND	0.0050	1.00	
Fensulfothion	ND	0.0050	1.00	
Fenthion	ND	0.0050	1.00	
Merphos	ND	0.0050	1.00	
Methyl Parathion	ND	0.0050	1.00	
Mevinphos	ND	0.0050	1.00	
Naled	ND	0.040	1.00	
Phorate	ND	0.0050	1.00	
Ronnel	ND	0.0050	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0050	1.00	
Trichloronate	ND	0.0050	1.00	
Demeton-o/s	ND	0.0050	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	108	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-I**	**01/08/15 10:10**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 23:26**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	12	1.00	
Dicamba	ND	0.48	1.00	
MCPP	ND	480	1.00	
MCPA	ND	480	1.00	
Dichlorprop	ND	4.8	1.00	
2,4-D	ND	4.8	1.00	
2,4,5-TP (Silvex)	ND	0.48	1.00	
2,4,5-T	ND	0.48	1.00	
2,4-DB	ND	4.8	1.00	
Dinoseb	ND	2.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	83	0-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-I**	**01/08/15 10:40**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 23:49**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	12	1.00	
Dicamba	ND	0.48	1.00	
MCPP	ND	480	1.00	
MCPA	ND	480	1.00	
Dichlorprop	ND	4.8	1.00	
2,4-D	ND	4.8	1.00	
2,4,5-TP (Silvex)	ND	0.48	1.00	
2,4,5-T	ND	0.48	1.00	
2,4-DB	ND	4.8	1.00	
Dinoseb	ND	2.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	87	0-123	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-I**	**01/08/15 10:55**	**Aqueous**	**GC 40**	**01/12/15**	**01/15/15 00:12**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	12	1.00	
Dicamba	ND	0.48	1.00	
MCPP	ND	480	1.00	
MCPA	ND	480	1.00	
Dichlorprop	ND	4.8	1.00	
2,4-D	ND	4.8	1.00	
2,4,5-TP (Silvex)	ND	0.48	1.00	
2,4,5-T	ND	0.48	1.00	
2,4-DB	ND	4.8	1.00	
Dinoseb	ND	2.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	88	0-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-I**	**01/08/15 11:25**	**Aqueous**	**GC 40**	**01/12/15**	**01/15/15 00:35**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	13	1.00	
Dicamba	ND	0.50	1.00	
MCPP	ND	500	1.00	
MCPA	ND	500	1.00	
Dichlorprop	ND	5.0	1.00	
2,4-D	ND	5.0	1.00	
2,4,5-TP (Silvex)	ND	0.50	1.00	
2,4,5-T	ND	0.50	1.00	
2,4-DB	ND	5.0	1.00	
Dinoseb	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	82	0-123	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-H**	**01/08/15 09:45**	**Aqueous**	**GC 40**	**01/12/15**	**01/15/15 00:58**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	13	1.00	
Dicamba	ND	0.49	1.00	
MCPP	ND	490	1.00	
MCPA	ND	490	1.00	
Dichlorprop	ND	4.9	1.00	
2,4-D	ND	4.9	1.00	
2,4,5-TP (Silvex)	ND	0.49	1.00	
2,4,5-T	ND	0.49	1.00	
2,4-DB	ND	4.9	1.00	
Dinoseb	ND	2.4	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	82	0-123	

Method Blank	**095-01-034-632**	**N/A**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 22:40**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	13	1.00	
Dicamba	ND	0.50	1.00	
MCPP	ND	500	1.00	
MCPA	ND	500	1.00	
Dichlorprop	ND	5.0	1.00	
2,4-D	ND	5.0	1.00	
2,4,5-TP (Silvex)	ND	0.50	1.00	
2,4,5-T	ND	0.50	1.00	
2,4-DB	ND	5.0	1.00	
Dinoseb	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	86	0-123	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-H**	**01/08/15 10:10**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 18:04**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.96	1.00	
Acenaphthylene	ND	0.96	1.00	
Acenaphthene	ND	0.96	1.00	
Fluorene	ND	0.96	1.00	
Phenanthrene	ND	0.96	1.00	
Anthracene	ND	0.96	1.00	
Fluoranthene	ND	0.96	1.00	
Pyrene	ND	0.96	1.00	
Benzo (a) Anthracene	ND	0.96	1.00	
Chrysene	ND	0.96	1.00	
Benzo (b) Fluoranthene	ND	0.96	1.00	
Benzo (k) Fluoranthene	ND	0.96	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.96	1.00	
Benzo (g,h,i) Perylene	ND	0.96	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.96	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	75	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-H**	**01/08/15 10:40**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 18:36**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.95	1.00	
Acenaphthylene	ND	0.95	1.00	
Acenaphthene	ND	0.95	1.00	
Fluorene	ND	0.95	1.00	
Phenanthrene	ND	0.95	1.00	
Anthracene	ND	0.95	1.00	
Fluoranthene	ND	0.95	1.00	
Pyrene	ND	0.95	1.00	
Benzo (a) Anthracene	ND	0.95	1.00	
Chrysene	ND	0.95	1.00	
Benzo (b) Fluoranthene	ND	0.95	1.00	
Benzo (k) Fluoranthene	ND	0.95	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.95	1.00	
Benzo (g,h,i) Perylene	ND	0.95	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.95	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	77	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-H**	**01/08/15 10:55**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 19:09**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.96	1.00	
Acenaphthylene	ND	0.96	1.00	
Acenaphthene	ND	0.96	1.00	
Fluorene	ND	0.96	1.00	
Phenanthrene	ND	0.96	1.00	
Anthracene	ND	0.96	1.00	
Fluoranthene	ND	0.96	1.00	
Pyrene	ND	0.96	1.00	
Benzo (a) Anthracene	ND	0.96	1.00	
Chrysene	ND	0.96	1.00	
Benzo (b) Fluoranthene	ND	0.96	1.00	
Benzo (k) Fluoranthene	ND	0.96	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.96	1.00	
Benzo (g,h,i) Perylene	ND	0.96	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.96	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	74	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-G**	**01/08/15 11:25**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 19:41**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.96	1.00	
Acenaphthylene	ND	0.96	1.00	
Acenaphthene	ND	0.96	1.00	
Fluorene	ND	0.96	1.00	
Phenanthrene	ND	0.96	1.00	
Anthracene	ND	0.96	1.00	
Fluoranthene	ND	0.96	1.00	
Pyrene	ND	0.96	1.00	
Benzo (a) Anthracene	ND	0.96	1.00	
Chrysene	ND	0.96	1.00	
Benzo (b) Fluoranthene	ND	0.96	1.00	
Benzo (k) Fluoranthene	ND	0.96	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.96	1.00	
Benzo (g,h,i) Perylene	ND	0.96	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.96	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	61	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-G**	**01/08/15 09:45**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 20:13**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.95	1.00	
Acenaphthylene	ND	0.95	1.00	
Acenaphthene	ND	0.95	1.00	
Fluorene	ND	0.95	1.00	
Phenanthrene	ND	0.95	1.00	
Anthracene	ND	0.95	1.00	
Fluoranthene	ND	0.95	1.00	
Pyrene	ND	0.95	1.00	
Benzo (a) Anthracene	ND	0.95	1.00	
Chrysene	ND	0.95	1.00	
Benzo (b) Fluoranthene	ND	0.95	1.00	
Benzo (k) Fluoranthene	ND	0.95	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.95	1.00	
Benzo (g,h,i) Perylene	ND	0.95	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.95	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	74	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-003-1951**	**N/A**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 15:15**	**150115L13**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	1.0	1.00	
Acenaphthylene	ND	1.0	1.00	
Acenaphthene	ND	1.0	1.00	
Fluorene	ND	1.0	1.00	
Phenanthrene	ND	1.0	1.00	
Anthracene	ND	1.0	1.00	
Fluoranthene	ND	1.0	1.00	
Pyrene	ND	1.0	1.00	
Benzo (a) Anthracene	ND	1.0	1.00	
Chrysene	ND	1.0	1.00	
Benzo (b) Fluoranthene	ND	1.0	1.00	
Benzo (k) Fluoranthene	ND	1.0	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	1.0	1.00	
Benzo (g,h,i) Perylene	ND	1.0	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	58	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #1	**15-01-0383-1-A**	**01/08/15 10:10**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 17:19**	**150109L017**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	120	78-126	
1,2-Dichloroethane-d4	125	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #2	**15-01-0383-2-B**	**01/08/15 10:40**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 13:58**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	114	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	**15-01-0383-3-B**	**01/08/15 10:55**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 16:55**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 6 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	117	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 7 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIPBLANK	**15-01-0383-4-B**	**01/08/15 00:00**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 17:25**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental	Date Received:	01/08/15
1230 N. Jefferson Street, Suite J	Work Order:	15-01-0383
Anaheim, CA 92807-1631	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: EI (Barstow) / 1443-3-5		Page 8 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	118	75-135	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 9 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #4	**15-01-0383-5-B**	**01/08/15 11:25**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 17:54**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 10 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	118	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 11 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIPBLANK	**15-01-0383-6-B**	**01/08/15 00:00**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 18:24**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 12 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	121	75-135	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 13 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #5	**15-01-0383-7-B**	**01/08/15 09:45**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 18:53**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 14 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	106	78-126	
1,2-Dichloroethane-d4	117	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 15 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIPBLANKS	**15-01-0383-8-B**	**01/08/15 00:00**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 19:23**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 16 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	78-126	
1,2-Dichloroethane-d4	117	75-135	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 17 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-16150**	**N/A**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 16:51**	**150109L017**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 18 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	115	78-126	
1,2-Dichloroethane-d4	117	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 19 of 20

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-16153**	**N/A**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 13:28**	**150110L008**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 20 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	102	78-126	
1,2-Dichloroethane-d4	116	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
Project: EI (Barstow) / 1443-3-5			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0288-1	**Sample**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 12:52**	**150108S01**
15-01-0288-1	**Matrix Spike**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 14:33**	**150108S01**
15-01-0288-1	**Matrix Spike Duplicate**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 14:50**	**150108S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Fluoride	ND	250.0	241.8	97	240.8	96	80-120	0	0-20	
Chloride	708.4	5000	5892	104	5894	104	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
Project: EI (Barstow) / 1443-3-5			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-12-2267-9	**Sample**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 14:23**	**150108S01**
14-12-2267-9	**Matrix Spike**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 14:53**	**150108S01**
14-12-2267-9	**Matrix Spike Duplicate**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 15:09**	**150108S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Perchlorate	606000	1000000	1687000	108	1651000	104	80-120	2	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0581-1	**Sample**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 16:18**	**150113S021**
15-01-0581-1	**Matrix Spike**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 16:51**	**150113S021**
15-01-0581-1	**Matrix Spike Duplicate**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 17:24**	**150113S021**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	73.88	2000	2105	102	2071	100	68-122	2	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: EI (Barstow) / 1443-3-5			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0382-1	**Sample**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/09/15 14:55**	**150109SA1**
15-01-0382-1	**Matrix Spike**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/09/15 14:57**	**150109SA1**
15-01-0382-1	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/09/15 14:58**	**150109SA1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron	0.8513	0.5000	1.437	117	1.410	112	65-149	2	0-21	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Well #2	**Sample**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 13:58**	**150110S004**
Well #2	**Matrix Spike**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 15:26**	**150110S004**
Well #2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 15:56**	**150110S004**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	49.03	98	50.18	100	74-122	2	0-21	
Carbon Tetrachloride	ND	50.00	58.32	117	57.43	115	60-144	2	0-21	
Chlorobenzene	ND	50.00	50.62	101	50.81	102	73-120	0	0-22	
1,2-Dibromoethane	ND	50.00	51.26	103	50.39	101	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	51.07	102	51.41	103	70-120	1	0-26	
1,2-Dichloroethane	ND	50.00	54.64	109	55.77	112	64-142	2	0-20	
1,1-Dichloroethene	ND	50.00	43.72	87	45.33	91	52-136	4	0-21	
Ethylbenzene	ND	50.00	52.59	105	52.71	105	77-125	0	0-24	
Toluene	ND	50.00	49.21	98	49.45	99	72-126	0	0-23	
Trichloroethene	ND	50.00	47.78	96	49.91	100	74-128	4	0-22	
Vinyl Chloride	ND	50.00	49.40	99	51.18	102	67-133	4	0-20	
p/m-Xylene	ND	100.0	109.9	110	109.1	109	63-129	1	0-25	
o-Xylene	ND	50.00	55.88	112	55.16	110	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.56	95	48.79	98	68-134	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Well #1	**Sample**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 17:19**	**150109S012**
Well #1	**Matrix Spike**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 17:47**	**150109S012**
Well #1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 18:15**	**150109S012**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.68	97	50.40	101	74-122	3	0-21	
Carbon Tetrachloride	ND	50.00	59.93	120	61.74	123	60-144	3	0-21	
Chlorobenzene	ND	50.00	48.89	98	50.37	101	73-120	3	0-22	
1,2-Dibromoethane	ND	50.00	50.71	101	45.23	90	80-122	11	0-20	
1,2-Dichlorobenzene	ND	50.00	46.96	94	49.00	98	70-120	4	0-26	
1,2-Dichloroethane	ND	50.00	46.78	94	46.11	92	64-142	1	0-20	
1,1-Dichloroethene	ND	50.00	48.66	97	48.61	97	52-136	0	0-21	
Ethylbenzene	ND	50.00	51.30	103	52.70	105	77-125	3	0-24	
Toluene	ND	50.00	49.72	99	50.36	101	72-126	1	0-23	
Trichloroethene	ND	50.00	47.19	94	49.18	98	74-128	4	0-22	
Vinyl Chloride	ND	50.00	37.90	76	41.41	83	67-133	9	0-20	
p/m-Xylene	ND	100.0	106.8	107	109.0	109	63-129	2	0-25	
o-Xylene	ND	50.00	54.93	110	55.49	111	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	49.81	100	47.88	96	68-134	4	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2510 B
Project: EI (Barstow) / 1443-3-5			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-01-0411-1	**Sample**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**
15-01-0411-1	**Sample Duplicate**	**Aqueous**	**SC 7**	**N/A**	**01/09/15 17:00**	**F0109SCD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Specific Conductance	746.0	745.0	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
Project: EI (Barstow) / 1443-3-5			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
Well #1	**Sample**	**Aqueous**	**SC 5**	**01/13/15 00:00**	**01/13/15 15:00**	**F0113TDSD1**
Well #1	**Sample Duplicate**	**Aqueous**	**SC 5**	**01/13/15 00:00**	**01/13/15 15:00**	**F0113TDSD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	540.0	550.0	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 4500 H+ B
Project: EI (Barstow) / 1443-3-5			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-01-0362-3	**Sample**	**Aqueous**	**PH 1**	**01/08/15 00:00**	**01/08/15 17:45**	**F0108PHD1**
15-01-0362-3	**Sample Duplicate**	**Aqueous**	**PH 1**	**01/08/15 00:00**	**01/08/15 17:45**	**F0108PHD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
pH	7.260	7.290	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
Project: EI (Barstow) / 1443-3-5			Page 1 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-5332	**LCS**	**Aqueous**	**IC 15**	**N/A**	**01/08/15 11:57**	**150108L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Fluoride	2.500	2.360	94	90-110	
Chloride	50.00	48.16	96	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
Project: EI (Barstow) / 1443-3-5			Page 2 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-242-210	**LCS**	**Aqueous**	**IC 13**	**N/A**	**01/08/15 14:08**	**150108L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Perchlorate	25.00	24.97	100	85-115	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
Project: EI (Barstow) / 1443-3-5			Page 3 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-180-4379	**LCS**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**
099-12-180-4379	**LCSD**	**Aqueous**	**SC 5**	**01/13/15**	**01/13/15 15:00**	**F0113TDSL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	100.0	105.0	105	110.0	110	80-120	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	Extraction
		Method:	EPA 418.1
Project: EI (Barstow) / 1443-3-5			Page 4 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-1224	**LCS**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**
099-07-016-1224	**LCSD**	**Aqueous**	**IR 2**	**01/08/15**	**01/09/15 09:52**	**150109L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TRPH	2.000	1.882	94	1.927	96	70-130	2	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 5 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-278-798	**LCS**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:02**	**150109B19**
099-15-278-798	**LCSD**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 19:21**	**150109B19**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	2333	117	2278	114	75-117	2	0-13	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 6 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-918	**LCS**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:26**	**150109B18**
099-15-304-918	**LCSD**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:45**	**150109B18**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2335	117	2338	117	75-117	0	0-13	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 7 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-472-335	**LCS**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:26**	**150109B18A**
099-15-472-335	**LCSD**	**Aqueous**	**GC 45**	**01/09/15**	**01/09/15 18:45**	**150109B18A**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2335	117	2338	117	75-117	0	0-13	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: EI (Barstow) / 1443-3-5			Page 8 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9813	**LCS**	**Aqueous**	**GC 25**	**01/13/15**	**01/13/15 15:44**	**150113L031**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	2123	106	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: EI (Barstow) / 1443-3-5			Page 9 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14788	**LCS**	**Aqueous**	**ICP 7300**	**01/09/15**	**01/09/15 16:03**	**150109LA1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron	0.5000	0.5240	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 10 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-773	**LCS**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 18:54**	**150113L14**
099-12-529-773	**LCSD**	**Aqueous**	**GC 44**	**01/13/15**	**01/14/15 19:08**	**150113L14**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.3875	78	0.4111	82	50-135	36-149	6	0-25	
Gamma-BHC	0.5000	0.3990	80	0.4230	85	50-135	36-149	6	0-25	
Beta-BHC	0.5000	0.3430	69	0.3667	73	50-135	36-149	7	0-25	
Heptachlor	0.5000	0.3982	80	0.4252	85	50-135	36-149	7	0-25	
Delta-BHC	0.5000	0.4070	81	0.4714	94	50-135	36-149	15	0-25	
Aldrin	0.5000	0.3604	72	0.3872	77	50-135	36-149	7	0-25	
Heptachlor Epoxide	0.5000	0.3006	60	0.4165	83	50-135	36-149	32	0-25	X
Endosulfan I	0.5000	0.3452	69	0.4367	87	50-135	36-149	23	0-25	
Dieldrin	0.5000	0.3746	75	0.4415	88	50-135	36-149	16	0-25	
4,4'-DDE	0.5000	0.3317	66	0.4090	82	50-135	36-149	21	0-25	
Endrin	0.5000	0.3693	74	0.4270	85	50-135	36-149	14	0-25	
Endrin Aldehyde	0.5000	0.5121	102	0.4792	96	50-135	36-149	7	0-25	
4,4'-DDD	0.5000	0.3672	73	0.4097	82	50-135	36-149	11	0-25	
Endosulfan II	0.5000	0.4278	86	0.4666	93	50-135	36-149	9	0-25	
4,4'-DDT	0.5000	0.3922	78	0.4407	88	50-135	36-149	12	0-25	
Endosulfan Sulfate	0.5000	0.4087	82	0.4406	88	50-135	36-149	8	0-25	
Methoxychlor	0.5000	0.4122	82	0.4535	91	50-135	36-149	10	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 11 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-963-79	**LCS**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 09:51**	**150112L29**
099-15-963-79	**LCSD**	**Aqueous**	**GC 26**	**01/12/15**	**01/16/15 10:35**	**150112L29**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	0.04232	106	0.04104	103	30-130	13-147	3	0-30	
Bolstar	0.04000	0.04159	104	0.04174	104	30-130	13-147	0	0-30	
Chlorpyrifos	0.04000	0.04110	103	0.04153	104	30-130	13-147	1	0-30	
Coumaphos	0.04000	0.04139	103	0.04088	102	30-130	13-147	1	0-30	
Diazinon	0.04000	0.04253	106	0.04340	108	30-130	13-147	2	0-30	
Disulfoton	0.04000	0.04276	107	0.04517	113	30-130	13-147	5	0-30	
Ethoprop	0.04000	0.04486	112	0.04589	115	30-130	13-147	2	0-30	
Fensulfothion	0.04000	0.04435	111	0.04367	109	30-130	13-147	2	0-30	
Fenthion	0.04000	0.04206	105	0.04301	108	30-130	13-147	2	0-30	
Merphos	0.04000	0.04625	116	0.04669	117	30-130	13-147	1	0-30	
Methyl Parathion	0.04000	0.04261	107	0.04357	109	30-130	13-147	2	0-30	
Phorate	0.04000	0.04445	111	0.04604	115	30-130	13-147	4	0-30	
Ronnel	0.04000	0.04163	104	0.04271	107	30-130	13-147	3	0-30	
Stirophos	0.04000	0.02507	63	0.02478	62	30-130	13-147	1	0-30	
Tokuthion	0.04000	0.04089	102	0.04099	102	30-130	13-147	0	0-30	
Trichloronate	0.04000	0.04109	103	0.04194	105	30-130	13-147	2	0-30	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 12 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-632	**LCS**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 21:54**	**150112L12**
095-01-034-632	**LCSD**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 22:17**	**150112L12**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	15.10	76	17.28	86	30-130	13	0-30	
2,4,5-T	2.000	1.550	78	1.770	88	30-130	13	0-30	
2,4-DB	20.00	15.28	76	17.12	86	30-130	11	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 13 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-003-1951	**LCS**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 15:47**	**150115L13**
099-07-003-1951	**LCSD**	**Aqueous**	**HPLC 5**	**01/15/15**	**01/16/15 16:19**	**150115L13**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	2.000	1.376	69	1.399	70	36-144	18-162	2	0-25	
Acenaphthylene	2.000	1.491	75	1.349	67	51-120	40-132	10	0-23	
Acenaphthene	2.000	1.388	69	1.367	68	44-120	31-133	2	0-20	
Fluorene	2.000	1.435	72	1.373	69	52-120	41-131	4	0-21	
Phenanthrene	2.000	1.523	76	1.420	71	58-120	48-130	7	0-21	
Anthracene	2.000	1.475	74	1.390	70	52-120	41-131	6	0-20	
Fluoranthene	2.000	1.603	80	1.470	74	57-120	46-130	9	0-20	
Pyrene	2.000	1.661	83	1.526	76	55-121	44-132	8	0-22	
Benzo (a) Anthracene	2.000	1.651	83	1.524	76	58-120	48-130	8	0-23	
Chrysene	2.000	1.644	82	1.518	76	58-120	48-130	8	0-20	
Benzo (b) Fluoranthene	2.000	1.543	77	1.439	72	55-121	44-132	7	0-23	
Benzo (k) Fluoranthene	2.000	1.606	80	1.494	75	56-122	45-133	7	0-22	
Benzo (a) Pyrene	2.000	1.521	76	1.440	72	43-120	30-133	5	0-24	
Dibenz (a,h) Anthracene	2.000	1.485	74	1.380	69	55-121	44-132	7	0-24	
Benzo (g,h,i) Perylene	2.000	1.585	79	1.469	73	58-120	48-130	8	0-23	
Indeno (1,2,3-c,d) Pyrene	2.000	1.532	77	1.415	71	63-123	53-133	8	0-21	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 14 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-16153	**LCS**	**Aqueous**	**GC/MS WW**	**01/10/15**	**01/10/15 12:29**	**150110L008**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.39	99	80-120	73-127	
Carbon Tetrachloride	50.00	57.24	114	67-139	55-151	
Chlorobenzene	50.00	51.77	104	78-120	71-127	
1,2-Dibromoethane	50.00	51.15	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.99	102	63-129	52-140	
1,2-Dichloroethane	50.00	53.41	107	70-130	60-140	
1,1-Dichloroethene	50.00	46.36	93	66-126	56-136	
Ethylbenzene	50.00	54.32	109	80-123	73-130	
Toluene	50.00	49.12	98	80-120	73-127	
Trichloroethene	50.00	49.50	99	80-122	73-129	
Vinyl Chloride	50.00	53.14	106	70-130	60-140	
p/m-Xylene	100.0	113.3	113	75-123	67-131	
o-Xylene	50.00	57.43	115	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	46.38	93	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/08/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0383
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 15 of 15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-16150	**LCS**	**Aqueous**	**GC/MS V V**	**01/09/15**	**01/09/15 15:55**	**150109L017**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.41	95	80-120	73-127	
Carbon Tetrachloride	50.00	59.86	120	67-139	55-151	
Chlorobenzene	50.00	47.49	95	78-120	71-127	
1,2-Dibromoethane	50.00	47.58	95	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.05	94	63-129	52-140	
1,2-Dichloroethane	50.00	43.87	88	70-130	60-140	
1,1-Dichloroethene	50.00	44.74	89	66-126	56-136	
Ethylbenzene	50.00	49.91	100	80-123	73-130	
Toluene	50.00	48.30	97	80-120	73-127	
Trichloroethene	50.00	46.86	94	80-122	73-129	
Vinyl Chloride	50.00	38.46	77	70-130	60-140	
p/m-Xylene	100.0	103.3	103	75-123	67-131	
o-Xylene	50.00	53.72	107	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.79	100	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 15-01-0383 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 1 OF 5

WO NO. / LAB USE ONLY: **15-01-0383**

LABORATORY CLIENT: GC Environmental
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9969,110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-35
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD *

EDD: ☐ COELT EDF ☐ OTHER

COOLER #1

SPECIAL INSTRUCTIONS:
8hr holding time for coliform
AKA "NORTH WELL"
AG WELL

WELL #1 ("J" Well)

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 / C6-C44 Diesel, Mineral Oil	TPH (G, H2SO4)	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core / Terra Core	SVOCs (8270) Recal Calif Mass	Pesticides (8081)	PCBs (8082) Total Calcium	PAHs 8270 / 8270 SIM	T22 Metals 6010/747X / 6020/747X	Cr(VI) 7196 / 218.6	Pesticides (8081) Herbicides (8151)	Perchlorate 8141	TDS, EC, pH	Perchlorate (314.0), Anions
1	Well #1 VOAs	1/8/15	1010	Water	6		X		X					X												
	1L Amb			Water	4	X												X		X			X	X		
	500mL Am			Water	1		X					X														
	500mL Am			Water	1	X					X															
	1L Pl			Water	1	X																			X	
	125mL Pl			Water	2	X																				X
	250mL Pl			Water	1		X														X					
	1/2 20mL Sterile Pl			Water	2		X										X		X							

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	EC1	1/8/15	1450
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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 2 OF 5

WO NO. / LAB USE ONLY: 01-0383

LABORATORY CLIENT: GC Environmental, Inc
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim CA STATE: 92807 ZIP:
TEL: 714)632-9969x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell | Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD *

EDD:
☐ COELT EDF ☐ OTHER COOLER #1

SPECIAL INSTRUCTIONS:
* 8-hr holding for coliform
AB WELL

WELL #2

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO HCl	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Diesel Motor Oil	~~TPH~~ TRPH (H_2SO_4)	BTEX / MTBE ☐ 8260 ☐	VOCs (8260) HCl	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs (8270)~~ Fecal Coliform $Na_2S_2O_3$	Pesticides (8081) O-Cl	~~PCBs (8082)~~ Total Coliform $Na_2S_2O_3$	PAHs ☒ 8270 ☐ 8270 SIM 8310	T22 Metals ☐ 6010/747X ☐ 6020/747X HNO_3 Kendall	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Herbicides 8151	Pesticide O-P 8141	TDS EC pH	Perchlorate (314.0) Anions
2	Well #2 VOAs	1/8/15	1040	Water	6		X		X					X												
	1L Am				4	X												X		X			X	X		
	500ml Am				1		X					X														
	500ml Am				1	X					X															
	1L Pl				1	X																			X	
	125ml Pl				2	X																				X
	250ml Pl				1		X														X					
	120ml sterile Pl				2		X										X		X							

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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 3 OF 5

WO NO. / LAB USE ONLY: 01-0383

LABORATORY CLIENT: GC Environmental, Inc
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim CA STATE: 92807 ZIP:
TEL: 714) 632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell / Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD *

EDD:
☐ COELT EDF ☐ OTHER COOLER #2

SPECIAL INSTRUCTIONS:
* 8hr holding time for coliform
DOMESTIC WELL

WELL #3

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO HCl	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Diesel Motor Oil	~~TPH~~ TRPH (H_2SO_4)	BTEX / MTBE ☐ 8260 ☐	VOCs (8260) HCl	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs (8270)~~ Fecal Coliform $Na_2S_2O_3$	Pesticides (8081) O-Cl	~~PCBs (8082)~~ Total Coliform $Na_2S_2O_3$	PAHs ☒ 8270 ☐ 8270 SIM 8310	T22 Metals ☐ 6010/747X ☐ 6020/747X HNO_3 Fe Only	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Herbicides 8151	Pesticides-OP 8141	TDS, EC, pH	Perchlorate (314.0), Anions
3	Well #3 VOAs	1/8/15	1055	Water	6		X		X					X												
	1L Am				4	X												X		X			X	X		
	500ml Am				1		X					X														
	500ml Am				1	X					X															
	1L Pl				1	X																			X	
	125ml Pl				2	X																				X
	250ml Pl				1		X														X					
	120ml sterile Pl				2		X										X		X							
4	TRIPBLANK	VOAs			4									X												

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[signature]	[signature] ECI	1/8/15	1450
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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 4 OF 5

WO NO. / LAB USE ONLY: 01-0383

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714-632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
PROJECT CONTACT: Richard Frizzell / Ross Brown
GLOBAL ID:
LOG CODE:
P.O. NO.:
LAB CONTACT OR QUOTE NO.: Danielle Roberts
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER

COOLER #3

SPECIAL INSTRUCTIONS:
* 8hr holding time for coliform
DOMESTIC WELL
Limited Volume OK - discussed w/ Danielle Roberts
WELL #4

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	~~TPH~~ TRPH	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs (8270)~~ Fecal Coliform	Pesticides (8081)	~~PCBs (8082)~~ Total Coliform	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 218.6	Herbicides	Pesticides (O.P.)	TDS, EC, pH	Perchlorate (314.0) Anions
5	Well #4 VOAs	1/8/15	1125	Water	~~6~~ 3		X		X					X												
	1L Am				4	X												X		X			X	X		
	500ml Am				1		X					X														
	500ml Am				1	X					X															
	1L P				1	X																		X		
	125ml P				1	X																				X
	250ml P				1		X														X					
	120ml sterile A				2		X										X		X							
6	TRIP BLANK	VOAs			~~1~~ 3									X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	EGI	1/8/15	1450
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

DATE: 1/8/15
PAGE: 5 OF 5

WO NO. / LAB USE ONLY: 01-0383

LABORATORY CLIENT: GC Environmental, Inc.
ADDRESS: 1230 N Jefferson St, Ste 1
CITY: Anaheim STATE: CA ZIP: 92807
TEL: 714) 632-9968x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell | Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD *

EDD:
☐ COELT EDF ☐ OTHER COOLER #1

SPECIAL INSTRUCTIONS:
* 8 hr holding time for coliform
DOMESTIC WELL

WELL #5

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO (HCl)	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44 Diesel Motor Oil	~~TPH~~ TRPH H_2SO_4	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260) HCl	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs (8270)~~ Fecal Coliform $Na_2S_2O_3$	Pesticides (8081) O-Cl	~~PCBs (8082)~~ Total Coliform $Na_2S_2O_3$	PAHs ☐ 8270 ☐ 8270 SIM 8310	T22 Metals ☐ 6010/747X ☐ 6020/747X HNO_3 FeOhy	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Herbicides 8151	Pesticides (O-P) 8141	TDS, EC, pH	Perchlorate (314.0), Anions
7	Well #5 VOAs	1/8/15	0945	Water	6		X		X					X												
	1L Am				4	X												X		X			X	X		
	500ml Am				1		X					X														
	500ml Am				1	X					X															
	1L Pl				1	X																			X	
	125ml Pl				2	X																				X
	250ml Pl				1		X														X					
	120ml sterile Pl				2		X										X		X							
8	TRIP BLANKS VOAs				4									X												

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] EC1	1/8/15	1450
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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WORK ORDER #: 15-01-0383

SAMPLE RECEIPT FORM

Cooler 1 of 3

CLIENT: GC Env'l., Inc.

DATE: 01/08/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.3 °C + 0.2 °C (CF) = 4.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 977

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☑ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☑	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOA**h** (6) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (4) ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☑500AGJ ☑500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☑125PB (2) ☐125PB**znna** ☐100PJ ☑100PJ**na$_2$** (2) ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 1412057A **Labeled/Checked by:** 977

Container: C: Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** SMG

Preservative: h: HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** SMG

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WORK ORDER #: 15-01-0383

SAMPLE RECEIPT FORM

Cooler 2 of 3

CLIENT: GC Env'l., Inc.

DATE: 01/08/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 5.0 °C + 0.2 °C (CF) = 5.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 689

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 659

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 977

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☑ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☑	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☑500AGJ ☑500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☑100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 977

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 836

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 836

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WORK ORDER #: 15-01-0362

SAMPLE RECEIPT FORM

Cooler 3 of 3

CLIENT: GC Env'l Inc.

DATE: 01/08/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 5.4 °C + 0.2 °C (CF) = 5.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 619

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 619

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 977

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☑ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☑	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☑1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☑500AGJs ☐250AGB ☐250CGB ☐250CGBs ☑1PB ☐1PBna ☐500PB ☐250PB ☑250PBn ☑125PB ☐125PBznna ☐100PJ ☑100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 141205A **Labeled/Checked by:** 977

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 836

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 836

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WORK ORDER NUMBER: 15-01-0097

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: GC Environmental

Client Project Name: EI (Barstow) / 1443-3-5

Attention: Richard Frizzell
1230 N. Jefferson Street, Suite J
Anaheim, CA 92807-1631

Approved for release on 01/16/2015 by:
Danielle Roberts
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-01-0097

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Work Order Narrative

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 01/05/15. They were assigned to Work Order 15-01-0097.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order:	15-01-0097
		Project Name:	EI (Barstow) / 1443-3-5
		PO Number:	
		Date/Time Received:	01/05/15 15:40
		Number of Containers:	21
Attn:	Richard Frizzell		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
Bd-01	15-01-0097-1	01/05/15 12:45	14	Aqueous
Trip Blank	15-01-0097-2	01/05/15 00:00	3	Aqueous
Bd-01-15	15-01-0097-3	01/05/15 09:25	1	Solid
Bd-01-30	15-01-0097-4	01/05/15 09:42	1	Solid
Bd-01-40	15-01-0097-5	01/05/15 09:51	1	Solid
Bd-01-45	15-01-0097-6	01/05/15 09:55	1	Solid

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Detections Summary

Client:	GC Environmental 1230 N. Jefferson Street, Suite J Anaheim, CA 92807-1631	Work Order: Project Name: Received:	15-01-0097 EI (Barstow) / 1443-3-5 01/05/15
Attn:	Richard Frizzell		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
Bd-01 (15-01-0097-1)						
Fluoride	0.79		0.10	mg/L	EPA 300.0	N/A
Chloride	65		1.0	mg/L	EPA 300.0	N/A
Iron	214		0.100	mg/L	EPA 6010B	EPA 3010A Total
Acetone	80		20	ug/L	EPA 8260B	EPA 5030C
Specific Conductance	620		1.0	umhos/cm	SM 2510 B	N/A
Solids, Total Dissolved	435		1.00	mg/L	SM 2540 C	N/A
pH	7.25	BV,BU	0.01	pH units	SM 4500 H+ B	N/A

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-D**	**01/05/15 12:45**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 17:09**	**150106L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	0.79	0.10	1.00	
Chloride	65	1.0	1.00	

Method Blank	**099-12-906-5311**	**N/A**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 10:58**	**150106L01**

Parameter	Result	RL	DF	Qualifiers
Fluoride	ND	0.10	1.00	
Chloride	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-E**	**01/05/15 12:45**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 16:20**	**150106L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Method Blank	**099-16-242-209**	**N/A**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 15:41**	**150106L01**

Parameter	Result	RL	DF	Qualifiers
Perchlorate	ND	2.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2510 B
		Units:	umhos/cm
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-G**	**01/05/15 12:45**	**Aqueous**	**SC 7**	**N/A**	**01/06/15 19:03**	**F0106SCD2**

Parameter	Result	RL	DF	Qualifiers
Specific Conductance	620	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-M**	**01/05/15 12:45**	**Aqueous**	**SC 5**	**01/07/15**	**01/07/15 18:00**	**F0107TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	435	1.00	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-180-4371**	**N/A**	**Aqueous**	**SC 5**	**01/07/15**	**01/07/15 18:00**	**F0107TDSL1**

Parameter	Result	RL	DF	Qualifiers
Solids, Total Dissolved	ND	1.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 4500 H+ B
		Units:	pH units
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-F**	**01/05/15 12:45**	**Aqueous**	**PH 1**	**N/A**	**01/05/15 18:30**	**F0105PHD1**

Parameter	Result	RL	DF	Qualifiers
pH	7.25	0.01	1.00	BV,BU

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-H**	**01/05/15 12:45**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 14:09**	**150106LA2**

Parameter	Result	RL	DF	Qualifiers
Iron	214	0.100	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14785**	**N/A**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 12:03**	**150106LA2**

Parameter	Result	RL	DF	Qualifiers
Iron	ND	0.100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM9221B
		Units:	MPN/100ml
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-N**	**01/05/15 12:45**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/05/15 17:13**	**E0105TCB02**
Parameter				Result		Qualifiers	
Total Coliform				<18			
Method Blank	**099-15-102-408**	**N/A**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/05/15 17:13**	**E0105TCB02**
Parameter				Result		Qualifiers	
Total Coliform				<18			

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM9221B/E
		Units:	MPN/100ml
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-N**	**01/05/15 12:45**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/05/15 17:13**	**E0105FCB02**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			
Method Blank	**099-15-106-345**	**N/A**	**Aqueous**	**N/A-MICRO**	**N/A**	**01/05/15 17:13**	**E0105FCB02**
Parameter				Result		Qualifiers	
Fecal Coliform				<18			

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-K**	**01/05/15 12:45**	**Aqueous**	**GC 44**	**01/07/15**	**01/08/15 13:36**	**150107L16**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.099	1.00	
Gamma-BHC	ND	0.099	1.00	
Beta-BHC	ND	0.099	1.00	
Heptachlor	ND	0.099	1.00	
Delta-BHC	ND	0.099	1.00	
Aldrin	ND	0.099	1.00	
Heptachlor Epoxide	ND	0.099	1.00	
Endosulfan I	ND	0.099	1.00	
Dieldrin	ND	0.099	1.00	
4,4'-DDE	ND	0.099	1.00	
Endrin	ND	0.099	1.00	
Endrin Aldehyde	ND	0.099	1.00	
4,4'-DDD	ND	0.099	1.00	
Endosulfan II	ND	0.099	1.00	
4,4'-DDT	ND	0.099	1.00	
Endosulfan Sulfate	ND	0.099	1.00	
Methoxychlor	ND	0.099	1.00	
Chlordane	ND	0.99	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.099	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	50-135	
2,4,5,6-Tetrachloro-m-Xylene	91	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-771**	**N/A**	**Aqueous**	**GC 44**	**01/07/15**	**01/08/15 13:22**	**150107L16**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	50-135	
2,4,5,6-Tetrachloro-m-Xylene	90	50-135	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-I**	**01/05/15 12:45**	**Aqueous**	**GC 35**	**01/07/15**	**01/12/15 20:33**	**150107L12**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0050	1.00	
Bolstar	ND	0.0050	1.00	
Chlorpyrifos	ND	0.0050	1.00	
Coumaphos	ND	0.0050	1.00	
Diazinon	ND	0.0050	1.00	
Dichlorvos	ND	0.0050	1.00	
Disulfoton	ND	0.0099	1.00	
Ethoprop	ND	0.0050	1.00	
Fensulfothion	ND	0.0050	1.00	
Fenthion	ND	0.0050	1.00	
Merphos	ND	0.0050	1.00	
Methyl Parathion	ND	0.0050	1.00	
Mevinphos	ND	0.0050	1.00	
Naled	ND	0.040	1.00	
Phorate	ND	0.0050	1.00	
Ronnel	ND	0.0050	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0050	1.00	
Trichloronate	ND	0.0050	1.00	
Demeton-o/s	ND	0.0050	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	68	30-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
		Units:	mg/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-963-78**	**N/A**	**Aqueous**	**GC 35**	**01/07/15**	**01/12/15 18:16**	**150107L12**

Parameter	Result	RL	DF	Qualifiers
Azinphos Methyl	ND	0.0050	1.00	
Bolstar	ND	0.0050	1.00	
Chlorpyrifos	ND	0.0050	1.00	
Coumaphos	ND	0.0050	1.00	
Diazinon	ND	0.0050	1.00	
Dichlorvos	ND	0.0050	1.00	
Disulfoton	ND	0.010	1.00	
Ethoprop	ND	0.0050	1.00	
Fensulfothion	ND	0.0050	1.00	
Fenthion	ND	0.0050	1.00	
Merphos	ND	0.0050	1.00	
Methyl Parathion	ND	0.0050	1.00	
Mevinphos	ND	0.0050	1.00	
Naled	ND	0.040	1.00	
Phorate	ND	0.0050	1.00	
Ronnel	ND	0.0050	1.00	
Stirophos	ND	0.020	1.00	
Tokuthion	ND	0.0050	1.00	
Trichloronate	ND	0.0050	1.00	
Demeton-o/s	ND	0.0050	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	58	30-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-L**	**01/05/15 12:45**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 23:03**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	13	1.00	
Dicamba	ND	0.50	1.00	
MCPP	ND	500	1.00	
MCPA	ND	500	1.00	
Dichlorprop	ND	5.0	1.00	
2,4-D	ND	5.0	1.00	
2,4,5-TP (Silvex)	ND	0.50	1.00	
2,4,5-T	ND	0.50	1.00	
2,4-DB	ND	5.0	1.00	
Dinoseb	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	89	0-123	

Method Blank	**095-01-034-632**	**N/A**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 22:40**	**150112L12**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	13	1.00	
Dicamba	ND	0.50	1.00	
MCPP	ND	500	1.00	
MCPA	ND	500	1.00	
Dichlorprop	ND	5.0	1.00	
2,4-D	ND	5.0	1.00	
2,4,5-TP (Silvex)	ND	0.50	1.00	
2,4,5-T	ND	0.50	1.00	
2,4-DB	ND	5.0	1.00	
Dinoseb	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	86	0-123	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-J**	**01/05/15 12:45**	**Aqueous**	**HPLC 5**	**01/07/15**	**01/09/15 15:20**	**150107L17**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	1.0	1.00	
Acenaphthylene	ND	1.0	1.00	
Acenaphthene	ND	1.0	1.00	
Fluorene	ND	1.0	1.00	
Phenanthrene	ND	1.0	1.00	
Anthracene	ND	1.0	1.00	
Fluoranthene	ND	1.0	1.00	
Pyrene	ND	1.0	1.00	
Benzo (a) Anthracene	ND	1.0	1.00	
Chrysene	ND	1.0	1.00	
Benzo (b) Fluoranthene	ND	1.0	1.00	
Benzo (k) Fluoranthene	ND	1.0	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	1.0	1.00	
Benzo (g,h,i) Perylene	ND	1.0	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	86	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-07-003-1950**	**N/A**	**Aqueous**	**HPLC 5**	**01/07/15**	**01/09/15 13:43**	**150107L17**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	1.0	1.00	
Acenaphthylene	ND	1.0	1.00	
Acenaphthene	ND	1.0	1.00	
Fluorene	ND	1.0	1.00	
Phenanthrene	ND	1.0	1.00	
Anthracene	ND	1.0	1.00	
Fluoranthene	ND	1.0	1.00	
Pyrene	ND	1.0	1.00	
Benzo (a) Anthracene	ND	1.0	1.00	
Chrysene	ND	1.0	1.00	
Benzo (b) Fluoranthene	ND	1.0	1.00	
Benzo (k) Fluoranthene	ND	1.0	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	1.0	1.00	
Benzo (g,h,i) Perylene	ND	1.0	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decafluorobiphenyl	83	14-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Bd-01	**15-01-0097-1-B**	**01/05/15 12:45**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 16:30**	**150107L017**

Parameter	Result	RL	DF	Qualifiers
Acetone	80	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental	Date Received:	01/05/15
1230 N. Jefferson Street, Suite J	Work Order:	15-01-0097
Anaheim, CA 92807-1631	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: EI (Barstow) / 1443-3-5		Page 2 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	112	78-126	
1,2-Dichloroethane-d4	128	75-135	
Toluene-d8	108	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**15-01-0097-2-B**	**01/05/15 00:00**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 07:28**	**150107L043**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 4 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	123	75-135	
Toluene-d8	107	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-16133**	**N/A**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 16:02**	**150107L017**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental	Date Received:	01/05/15
1230 N. Jefferson Street, Suite J	Work Order:	15-01-0097
Anaheim, CA 92807-1631	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: EI (Barstow) / 1443-3-5		Page 6 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	114	78-126	
1,2-Dichloroethane-d4	125	75-135	
Toluene-d8	107	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-16141**	**N/A**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 05:09**	**150107L043**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: EI (Barstow) / 1443-3-5			Page 8 of 8

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	124	75-135	
Toluene-d8	107	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
Project: EI (Barstow) / 1443-3-5			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0101-3	**Sample**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 11:56**	**150106S01**
15-01-0101-3	**Matrix Spike**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 14:41**	**150106S01**
15-01-0101-3	**Matrix Spike Duplicate**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 14:58**	**150106S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Fluoride	0.1830	250.0	289.3	116	301.8	121	80-120	4	0-20	3
Chloride	574.1	5000	5492	98	5490	98	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
Project: EI (Barstow) / 1443-3-5			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0189-2	**Sample**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 18:08**	**150106S01**
15-01-0189-2	**Matrix Spike**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 18:54**	**150106S01**
15-01-0189-2	**Matrix Spike Duplicate**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 19:10**	**150106S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Perchlorate	ND	50.00	54.10	108	57.68	115	80-120	6	0-15	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
Project: EI (Barstow) / 1443-3-5			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0118-10	**Sample**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 12:55**	**150106SA2**
15-01-0118-10	**Matrix Spike**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 12:57**	**150106SA2**
15-01-0118-10	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 13:04**	**150106SA2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Iron	ND	0.5000	0.7073	141	0.5412	108	65-149	27	0-21	4

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Bd-01	**Sample**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 16:30**	**150107S010**
Bd-01	**Matrix Spike**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 16:58**	**150107S010**
Bd-01	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 17:25**	**150107S010**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	55.76	112	56.59	113	74-122	1	0-21	
Carbon Tetrachloride	ND	50.00	57.98	116	59.48	119	60-144	3	0-21	
Chlorobenzene	ND	50.00	51.29	103	51.51	103	73-120	0	0-22	
1,2-Dibromoethane	ND	50.00	51.14	102	53.70	107	80-122	5	0-20	
1,2-Dichlorobenzene	ND	50.00	48.43	97	48.21	96	70-120	0	0-26	
1,2-Dichloroethane	ND	50.00	63.59	127	64.69	129	64-142	2	0-20	
1,1-Dichloroethene	ND	50.00	50.85	102	52.96	106	52-136	4	0-21	
Ethylbenzene	ND	50.00	55.67	111	55.75	112	77-125	0	0-24	
Toluene	ND	50.00	54.68	109	54.47	109	72-126	0	0-23	
Trichloroethene	ND	50.00	54.83	110	54.50	109	74-128	1	0-22	
Vinyl Chloride	ND	50.00	45.56	91	46.98	94	67-133	3	0-20	
p/m-Xylene	ND	100.0	110.6	111	110.7	111	63-129	0	0-25	
o-Xylene	ND	50.00	56.22	112	56.10	112	62-128	0	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.72	89	47.15	94	68-134	5	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-01-0098-2	**Sample**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 05:37**	**150107S030**
15-01-0098-2	**Matrix Spike**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 06:05**	**150107S030**
15-01-0098-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 06:33**	**150107S030**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	53.17	106	50.47	101	74-122	5	0-21	
Carbon Tetrachloride	ND	50.00	53.10	106	52.30	105	60-144	2	0-21	
Chlorobenzene	ND	50.00	48.26	97	46.38	93	73-120	4	0-22	
1,2-Dibromoethane	ND	50.00	49.43	99	49.19	98	80-122	0	0-20	
1,2-Dichlorobenzene	ND	50.00	45.01	90	43.99	88	70-120	2	0-26	
1,2-Dichloroethane	ND	50.00	61.31	123	59.21	118	64-142	3	0-20	
1,1-Dichloroethene	ND	50.00	49.51	99	46.12	92	52-136	7	0-21	
Ethylbenzene	ND	50.00	52.40	105	49.55	99	77-125	6	0-24	
Toluene	ND	50.00	51.39	103	48.99	98	72-126	5	0-23	
Trichloroethene	ND	50.00	52.42	105	48.64	97	74-128	7	0-22	
Vinyl Chloride	ND	50.00	45.98	92	43.99	88	67-133	4	0-20	
p/m-Xylene	ND	100.0	102.9	103	98.18	98	63-129	5	0-25	
o-Xylene	ND	50.00	52.66	105	50.72	101	62-128	4	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	48.73	97	44.49	89	68-134	9	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2510 B
Project: EI (Barstow) / 1443-3-5			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
Bd-01	**Sample**	**Aqueous**	**SC 7**	**N/A**	**01/06/15 19:03**	**F0106SCD2**
Bd-01	**Sample Duplicate**	**Aqueous**	**SC 7**	**N/A**	**01/06/15 19:03**	**F0106SCD2**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Specific Conductance	621.0	625.0	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
Project: EI (Barstow) / 1443-3-5			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
Bd-01	**Sample**	**Aqueous**	**SC 5**	**01/07/15 00:00**	**01/07/15 18:00**	**F0107TDSD1**
Bd-01	**Sample Duplicate**	**Aqueous**	**SC 5**	**01/07/15 00:00**	**01/07/15 18:00**	**F0107TDSD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	435.0	420.0	4	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 4500 H+ B
Project: EI (Barstow) / 1443-3-5			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-01-0059-1	**Sample**	**Aqueous**	**PH 1**	**N/A**	**01/05/15 15:06**	**F0105PHD1**
15-01-0059-1	**Sample Duplicate**	**Aqueous**	**PH 1**	**01/05/15 00:00**	**01/05/15 15:06**	**F0105PHD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
pH	7.890	7.900	0	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 300.0
Project: EI (Barstow) / 1443-3-5			Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-906-5311	**LCS**	**Aqueous**	**IC 7**	**N/A**	**01/06/15 11:15**	**150106L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Fluoride	2.500	2.534	101	90-110	
Chloride	50.00	48.60	97	90-110	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	EPA 314.0
Project: EI (Barstow) / 1443-3-5			Page 2 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-242-209	**LCS**	**Aqueous**	**IC 13**	**N/A**	**01/06/15 15:56**	**150106L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Perchlorate	25.00	24.52	98	85-115	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	N/A
		Method:	SM 2540 C
Project: EI (Barstow) / 1443-3-5			Page 3 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-180-4371	**LCS**	**Aqueous**	**SC 5**	**01/07/15**	**01/07/15 18:00**	**F0107TDSL1**
099-12-180-4371	**LCSD**	**Aqueous**	**SC 5**	**01/07/15**	**01/07/15 18:00**	**F0107TDSL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	100.0	95.00	95	90.00	90	80-120	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: EI (Barstow) / 1443-3-5			Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14785	**LCS**	**Aqueous**	**ICP 7300**	**01/06/15**	**01/07/15 12:11**	**150106LA2**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Iron	0.5000	0.4966	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8081A
Project: EI (Barstow) / 1443-3-5			Page 5 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-771	**LCS**	**Aqueous**	**GC 44**	**01/07/15**	**01/08/15 12:53**	**150107L16**
099-12-529-771	**LCSD**	**Aqueous**	**GC 44**	**01/07/15**	**01/08/15 13:08**	**150107L16**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.5068	101	0.4877	98	50-135	36-149	4	0-25	
Gamma-BHC	0.5000	0.5222	104	0.5009	100	50-135	36-149	4	0-25	
Beta-BHC	0.5000	0.5138	103	0.4884	98	50-135	36-149	5	0-25	
Heptachlor	0.5000	0.5501	110	0.5259	105	50-135	36-149	4	0-25	
Delta-BHC	0.5000	0.6237	125	0.5866	117	50-135	36-149	6	0-25	
Aldrin	0.5000	0.4990	100	0.4826	97	50-135	36-149	3	0-25	
Heptachlor Epoxide	0.5000	0.5226	105	0.5021	100	50-135	36-149	4	0-25	
Endosulfan I	0.5000	0.5339	107	0.5142	103	50-135	36-149	4	0-25	
Dieldrin	0.5000	0.5538	111	0.5294	106	50-135	36-149	5	0-25	
4,4'-DDE	0.5000	0.5285	106	0.5070	101	50-135	36-149	4	0-25	
Endrin	0.5000	0.5503	110	0.5277	106	50-135	36-149	4	0-25	
Endrin Aldehyde	0.5000	0.5441	109	0.5030	101	50-135	36-149	8	0-25	
4,4'-DDD	0.5000	0.5208	104	0.5029	101	50-135	36-149	3	0-25	
Endosulfan II	0.5000	0.5588	112	0.5452	109	50-135	36-149	2	0-25	
4,4'-DDT	0.5000	0.5239	105	0.5073	101	50-135	36-149	3	0-25	
Endosulfan Sulfate	0.5000	0.5415	108	0.5200	104	50-135	36-149	4	0-25	
Methoxychlor	0.5000	0.5595	112	0.5353	107	50-135	36-149	4	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8141A
Project: EI (Barstow) / 1443-3-5			Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-963-78	**LCS**	**Aqueous**	**GC 35**	**01/07/15**	**01/12/15 19:02**	**150107L12**
099-15-963-78	**LCSD**	**Aqueous**	**GC 35**	**01/07/15**	**01/12/15 19:47**	**150107L12**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	0.01825	46	0.01859	46	30-130	13-147	2	0-30	
Bolstar	0.04000	0.02213	55	0.02273	57	30-130	13-147	3	0-30	
Chlorpyrifos	0.04000	0.02114	53	0.02352	59	30-130	13-147	11	0-30	
Coumaphos	0.04000	0.01923	48	0.01939	48	30-130	13-147	1	0-30	
Diazinon	0.04000	0.02260	56	0.02478	62	30-130	13-147	9	0-30	
Disulfoton	0.04000	0.02208	55	0.02421	61	30-130	13-147	9	0-30	
Ethoprop	0.04000	0.02150	54	0.02437	61	30-130	13-147	13	0-30	
Fensulfothion	0.04000	0.02292	57	0.02354	59	30-130	13-147	3	0-30	
Fenthion	0.04000	0.02171	54	0.02319	58	30-130	13-147	7	0-30	
Merphos	0.04000	0.02610	65	0.02812	70	30-130	13-147	7	0-30	
Methyl Parathion	0.04000	0.02262	57	0.02392	60	30-130	13-147	6	0-30	
Phorate	0.04000	0.02383	60	0.02691	67	30-130	13-147	12	0-30	
Ronnel	0.04000	0.02202	55	0.02359	59	30-130	13-147	7	0-30	
Stirophos	0.04000	0.01360	34	0.01411	35	30-130	13-147	4	0-30	
Tokuthion	0.04000	0.02146	54	0.02241	56	30-130	13-147	4	0-30	
Trichloronate	0.04000	0.02144	54	0.02242	56	30-130	13-147	4	0-30	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: EI (Barstow) / 1443-3-5			Page 7 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-632	**LCS**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 21:54**	**150112L12**
095-01-034-632	**LCSD**	**Aqueous**	**GC 40**	**01/12/15**	**01/14/15 22:17**	**150112L12**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	15.10	76	17.28	86	30-130	13	0-30	
2,4,5-T	2.000	1.550	78	1.770	88	30-130	13	0-30	
2,4-DB	20.00	15.28	76	17.12	86	30-130	11	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 3510C
		Method:	EPA 8310
Project: EI (Barstow) / 1443-3-5			Page 8 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-003-1950	**LCS**	**Aqueous**	**HPLC 5**	**01/07/15**	**01/09/15 14:16**	**150107L17**
099-07-003-1950	**LCSD**	**Aqueous**	**HPLC 5**	**01/07/15**	**01/09/15 14:48**	**150107L17**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	2.000	1.910	96	1.869	93	36-144	18-162	2	0-25	
Acenaphthylene	2.000	1.955	98	1.762	88	51-120	40-132	10	0-23	
Acenaphthene	2.000	1.903	95	1.826	91	44-120	31-133	4	0-20	
Fluorene	2.000	1.809	90	1.740	87	52-120	41-131	4	0-21	
Phenanthrene	2.000	1.832	92	1.772	89	58-120	48-130	3	0-21	
Anthracene	2.000	1.748	87	1.674	84	52-120	41-131	4	0-20	
Fluoranthene	2.000	1.825	91	1.771	89	57-120	46-130	3	0-20	
Pyrene	2.000	1.884	94	1.826	91	55-121	44-132	3	0-22	
Benzo (a) Anthracene	2.000	1.869	93	1.806	90	58-120	48-130	3	0-23	
Chrysene	2.000	1.854	93	1.793	90	58-120	48-130	3	0-20	
Benzo (b) Fluoranthene	2.000	1.770	88	1.780	89	55-121	44-132	1	0-23	
Benzo (k) Fluoranthene	2.000	1.831	92	1.979	99	56-122	45-133	8	0-22	
Benzo (a) Pyrene	2.000	1.603	80	1.428	71	43-120	30-133	12	0-24	
Dibenz (a,h) Anthracene	2.000	1.701	85	1.660	83	55-121	44-132	2	0-24	
Benzo (g,h,i) Perylene	2.000	1.780	89	1.693	85	58-120	48-130	5	0-23	
Indeno (1,2,3-c,d) Pyrene	2.000	1.761	88	1.684	84	63-123	53-133	4	0-21	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 9 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-16133	**LCS**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/07/15 15:06**	**150107L017**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	55.40	111	80-120	73-127	
Carbon Tetrachloride	50.00	57.75	115	67-139	55-151	
Chlorobenzene	50.00	50.23	100	78-120	71-127	
1,2-Dibromoethane	50.00	50.28	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	47.31	95	63-129	52-140	
1,2-Dichloroethane	50.00	61.35	123	70-130	60-140	
1,1-Dichloroethene	50.00	51.20	102	66-126	56-136	
Ethylbenzene	50.00	54.47	109	80-123	73-130	
Toluene	50.00	53.59	107	80-120	73-127	
Trichloroethene	50.00	54.37	109	80-122	73-129	
Vinyl Chloride	50.00	46.49	93	70-130	60-140	
p/m-Xylene	100.0	109.3	109	75-123	67-131	
o-Xylene	50.00	55.06	110	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	44.78	90	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

GC Environmental		Date Received:	01/05/15
1230 N. Jefferson Street, Suite J		Work Order:	15-01-0097
Anaheim, CA 92807-1631		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: EI (Barstow) / 1443-3-5			Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-16141	**LCS**	**Aqueous**	**GC/MS W**	**01/07/15**	**01/08/15 04:14**	**150107L043**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	54.42	109	80-120	73-127	
Carbon Tetrachloride	50.00	55.30	111	67-139	55-151	
Chlorobenzene	50.00	48.92	98	78-120	71-127	
1,2-Dibromoethane	50.00	50.96	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	46.14	92	63-129	52-140	
1,2-Dichloroethane	50.00	62.37	125	70-130	60-140	
1,1-Dichloroethene	50.00	51.17	102	66-126	56-136	
Ethylbenzene	50.00	53.13	106	80-123	73-130	
Toluene	50.00	52.84	106	80-120	73-127	
Trichloroethene	50.00	52.47	105	80-122	73-129	
Vinyl Chloride	50.00	47.57	95	70-130	60-140	
p/m-Xylene	100.0	105.2	105	75-123	67-131	
o-Xylene	50.00	54.52	109	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	51.57	103	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

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Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

DATE: 1/5/15
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WO NO. / LAB USE ONLY: **15-01-0097**

LABORATORY CLIENT: GC Environmental, Inc
ADDRESS: 1230 N Jefferson St, Ste J
CITY: Anaheim STATE: CA ZIP: 92806
TEL: (714) 632-9969 x110 E-MAIL: rfrizzell@gc-environmental.com

CLIENT PROJECT NAME / NO.: EI (Barstow) 1443-3-5
P.O. NO.:
PROJECT CONTACT: Richard Frizzell / Ross Brown
LAB CONTACT OR QUOTE NO.: Danielle Roberts
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Richard Frizzell

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD * SEE BELOW

EDD: ☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
* Total Fecal Coliform must meet holding time
4 Soil Samples - HOLD in case analysis is needed.

DEEP BORING / POTH SAMPLES

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260	VOCs (8260) B (HCl)	~~Oxygenates (8260)~~ Perchlorate (314.0)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs (8270)~~ Pesticide (O-P) 8141	Pesticides (8081) (O-Cl)	~~PCBs (8082)~~ Herbicide 8151	PAHs ☐ 8270 ☐ 8270 SIM 8310 ☒	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	TDS, pH, EC	Chloride, Fluoride ($Na_2S_2O_3$)	Total Fecal Coliform	Iron (Fe) (HNO_3)	NOLD
1	Bd-01	1/5/15	1245	Water	14	X	X							X	X		X	X	X	X			X	X	X	X	
2	Trip Blank	1/5/15	TB01	Water	3		X							X													
3	Bd-01-15	1/5/15	0925	Soil	1	X																					X
4	Bd-01-30	1/5/15	0942			X																					X
5	Bd-01-40	1/5/15	0951			X																					X
6	Bd-01-45	1/5/15	0955			X																					X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	1/5/15	1540
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER #: 15-01-0097

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GC Env'l, Inc.

DATE: 01/05/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C + 0.2 °C (CF) = 2.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 15

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 15

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 972

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☑ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☑	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (4) ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB ☐1PB**na** ☐500PB

~~☑250PB~~ 972 1/5/15 ☑250PB**n** ☑125PB (4) ☐125PB**znna** ☐100PJ ☑100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 141211A **Labeled/Checked by:** 972

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 659/689

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 689

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