

Via Email

January 9, 2014

Ms. Dilan Roe Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, California 94502

Re: Interim Removal Action Report for Park Avenue Cleaners at 7100-7120 Dublin Boulevard, Dublin, Alameda County, California ACEH Case No. RO3113

Dear Ms. Roe:

I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

SHELTER BAY RETAIL GROUP

As authorized agent for Ready Family Partnership

Sharlene A. Hassler FMA, RPA

Property Manager

INTERIM REMOVAL ACTION REPORT

Former Park Avenue Cleaners at Dublin Crossroad Shopping Center 7100-7120 Dublin Boulevard Dublin, California

January 13, 2014

 ${\it Prepared for:}$

Ready Family Partnership

Prepared by:

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1.0 INTRODUCTION

On behalf of Ready Family Partnership, Iris Environmental has prepared this *Interim Removal Action Report* (IRAR) for the former Park Avenue Cleaners facility located at 7104 Dublin Boulevard in Dublin, California (the Site, Figure 1). The Site is currently enrolled in a voluntary cleanup program with Alameda County Environmental (ACEH) oversight. This IRAR is being submitted pursuant to our *Revised Interim Removal Action Plan* (IRAP), dated September 19, 2013 (Iris Environmental 2013b), and discussion outcome with our meeting with ACEH on August 29, 2013 to discuss the analytical data to date.

The IRAP was focused on the removal of volatile organic compounds (VOCs) in vadose zone (unsaturated) soil potentially associated with the former dry cleaning machine that used tetrachloroethene (PCE). The location of the former PCE dry cleaning machine is presented in Figure 2. The proposed interim remedial action was to remove identified sources of soils containing elevated VOCs in vadose soils that pose a vapor intrusion concern beneath the building in the vicinity of the former dry cleaning machine within the 7104 tenant space that used PCE.

ACEH concurred with the recommendation to perform interim remedial action in an effort to remove source soils and reduce the potential for vapor intrusion to building occupants. A copy of the approval letter from ACEH, dated September 27, 2013 is presented in Appendix A.

1.1 Background Information

The Site is part of a commercial retail shopping center that is developed with three one-story multi-tenant commercial buildings, associated parking and landscaped areas. The entire shopping complex is referred to as the "Dublin Crossroads" (7100-7120 Dublin Boulevard) and was constructed in 1976. Prior to that time, the property was undeveloped.

Park Avenue Cleaners operated a laundry and dry cleaning facility at 7102B Dublin Boulevard from 1990 to 2004. The approximate location of the former dry cleaner is presented in Figure 2. The former dry cleaner unit at 7102B Dublin Boulevard utilized PCE, a VOC, in the former dry cleaning machine. In 2004, Park Avenue Cleaners relocated to the adjacent retail space at 7104 Dublin Boulevard.

Two dry cleaning machines were located within the central portion of suite 7104; one of which (the southernmost) is the former PCE dry cleaning machine from the adjacent unit at 7102B Dublin Boulevard relocated to the 7104 tenant space. The northernmost former dry cleaning machine was a petroleum-based system purchased circa 2005/2006. On July 22, 2013, Park Avenue Cleaners vacated the Site and removed the former dry cleaning units and associated equipment that was used at the 7104 tenant space.

In October 2012, a limited subsurface investigation for the Dublin Crossroads shopping center was performed by Basics Environmental. The initial investigation (Basics Environmental 2012) included advancing ten (10) borings (B1 to B5, SG1 to SG5) to collect soil, grab-groundwater and soil vapor samples. The approximate locations are presented in Figure 2. Concentrations of PCE were detected in the two of the three analyzed soil samples at concentrations of 0.011 milligrams per kilogram (mg/kg) (B2 @4.5 ft) and 0.12 mg/kg (B3 @ 4.5 ft). The highest concentration of PCE in the analyzed soil vapor samples was detected to the west of the former

dry cleaning machine (SG3) at a concentration of 54,000 micrograms per cubic meter ($\mu g/m^3$) above the Environmental Screening Level (ESL) promulgated by the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) for commercial land use.

In June 2013, the Site was enrolled into a voluntary cleanup program under local oversight by ACEH. Case No. RO3113 was assigned for the Site. In July and August 2013, Iris Environmental advanced 29 borings at the locations presented in Figure 2 to collect soil, grabgroundwater, and soil vapor and sub-slab soil vapor samples beneath the Site. Maximum concentrations of PCE in soil, groundwater, soil vapor and sub-slab soil vapor were detected in the vicinity of the former dry cleaning machine at the 7104 tenant space. Details are presented in the Iris Environmental's *Subsurface Investigation Report*, dated September 6, 2013 (Iris Environmental 2013a), which concluded the following:

- A suspected release of PCE to the subsurface has occurred in the vicinity of the former PCE dry cleaning machine located at the 7104 tenant space. The subsurface impacts of the release to subsurface soil appear to be limited in both lateral and vertical extent.
- Groundwater impacts appear to be limited in lateral and vertical extent. Deeper groundwater does not appear to be impacted with VOCs and the extent of shallow groundwater VOC impacts appears defined to the Site property (as defined by ESL drinking water criteria). Maximum concentrations of PCE, trichloroethene (TCE) and cis-1,2-dichloroethene (DCE) detected in groundwater were 31 μg/L, 0.6 μg/L and 1.4 μg/L, respectively, indicating that a release of PCE has not significantly impacted shallow or deeper groundwater and that potential or incomplete natural attenuation of PCE in groundwater is likely occurring.
- Concentrations of PCE were detected in the analyzed soil vapor samples collected at depths of 5 feet below the ground surface (bgs) in excess of commercial ESLs in the vicinity of the former dry cleaning machine at the 7104 tenant space. In addition, concentrations of PCE were detected in the sub-slab samples that indicate a vapor intrusion risk in the vicinity of the former dry cleaning machine near SS-02.
- Elevated concentrations of PCE were also detected in the outside soil vapor sample locations adjacent to the sanitary sewer line in the alleyway collected from approximate depths of 5 feet bgs. Although there are no indications that a PCE release has occurred adjacent to the sanitary sewer line based on the analyzed soil samples and groundwater data in the vicinity, the elevated soil gas concentrations are likely associated with the volatilization of the underlying groundwater plume in the vicinity and possibly lateral migration of soil vapors along the backfill material of the sanitary sewer line.
- The elevated concentrations of VOCs detected in the sub-slab and soil vapor in the vicinity of the former dry cleaning machine in the 7104 tenant space are likely associated with the PCE-impacted soils detected in the shallow soils. Removal of these soils will likely reduce the potential for vapor intrusion beneath the Site and remove the residual source of PCE beneath the Site in vadose zone soil.

1.2 Interim Remedial Action Plan

The IRAP (Iris Environmental 2013b, 2013c) was developed, based on the above analytical data and recommended removal of the PCE-impacted soils in the immediate vicinity of the dry cleaning unit as an interim remedial action. The vacant tenant spaces provided an excellent opportunity to remove presumed source soils beneath the Site.

The objectives of the IRAP were as follows:

- Establish appropriate remedial action objectives (RAOs);
- Remove source vadose zone soils in the vicinity of the former dry cleaning machine to the extent possible;
- Perform confirmation soil sampling to evaluate whether source soils have been removed to the established RAO;
- Perform sub-slab soil vapor sampling before, during and after excavation activities have been completed to evaluate whether excavation of vadose zone soils have effectively reduced or eliminated the potential vapor intrusion concern to below the established RAO.

1.3 Interim Remedial Action Objectives (RAOs)

This interim action was performance-based and focused on removal of VOC-impacted vadose zone soil. The primary chemical of potential concern (COPC) pertaining to this interim remedial action was PCE in soil, soil vapor and sub-slab soil vapor. Groundwater RAOs were not proposed. The RAOs for this interim remedial action were as follows:

1.3.1 Soil

The interim RAO for soil is the residential use, direct contact ESL established at 0.55 mg/kg for PCE (Cal/EPA 2013). The selected RAO is slightly more conservative than the groundwater protection ESL established at 0.7 mg/kg for PCE.

1.3.2 Sub-Slab Soil Vapor

To evaluate the potential for vapor intrusion beneath the Site, the theoretical calculated commercial land use ESL of 42 $\mu g/m^3$ was selected for sub-slab vapor samples assuming the default attenuation factor of 0.05, as recommended by DTSC guidance. The RAO was calculated by multiplying the commercial indoor air ESL for PCE established at $2.1\mu g/m^3$ by an attenuation factor of 20 as recommended by DTSC.

1.3.3 Soil Vapor

To evaluate whether interim soil excavation mitigated the potential for vapor intrusion beneath the Site, the commercial land use ESL of $2,100 \,\mu\text{g/m}^3$ for PCE was selected.

2.0 SCOPE OF WORK

Iris Environmental completed or oversaw the following scope of work:

Conducted pre-field activities that includes obtaining an excavation permit from the City
of Dublin, provided notification to applicable tenants, property owners and the Bay Area

- Air Quality Management District (BAAQMD) of the upcoming excavation activities and clearing the excavation limit locations of potential underground utilities;
- Installed two (2) additional long-term sub-slab vapor probes (SS-04 and SS-05) within the base rock material just beneath the concrete slab to evaluate sub-slab vapor conditions before, during and after excavation activities are completed;
- Excavated VOC-impacted soils from an approximate 20-foot by 40-foot surface area and to a maximum depth of 10 feet;
- Collected confirmation soil samples from the floor and sidewalls of the proposed excavation to document that vadose zone source soils were removed to the RAO;
- Exposed the sanitary sewer line towards the rear of the building to install controlled density fill (CDF) material (2-sack clean sand concrete mix) in an effort to prevent soil vapor from migrating back into the building after excavation has been completed;
- Installed horizontal piping beneath the concrete slab (after excavation has been completed) that could be used as a potential vapor mitigation system, if needed;
- Removed and transported soil/wastes to appropriate disposal facilities;
- Collected additional sub-slab soil vapor and soil vapor samples for chemical analysis after excavation to evaluate the effectiveness of the proposed interim remedial action and the potential for vapor intrusion to future building occupants; and
- Backfilled the completed excavation and restored the concrete slab.

3.0 PREFIELD ACTIVITIES

Site access agreements were secured with the property owners prior to fieldwork.

Iris Environmental updated its' Site-Specific Health and Safety Plan (HASP) in accordance with the requirements of the State of California General Industry Safety Order (GISO) 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120 (29 CFR 1910.120). A copy of the HASP was kept onsite during field activities. The HASP detailed the work to be performed, safety precautions, emergency response procedures, nearest hospital information, and onsite personnel responsible for managing emergency situations. Subcontractors were responsible for the health and safety of their own workers and developed their own HASP as described above.

Prior to conducting work, Iris Environmental submitted required excavation plans and obtained an excavation permit from the City of Dublin (City) for approval. Work did not commence until the permit was received from the City. A copy of the approved excavation permit is presented in Appendix A.

The proposed excavation limits were marked in white paint prior to excavation. Underground Service Alert (USA) was contacted at least 48 hours prior to excavation, as required by law. USA Ticket No. 394143 was issued on October 7, 2013.

In advance of excavation work, Iris Environmental distributed a Fact Sheet summarizing the interim action presented in the IRAP by hand to adjacent tenants and owners of the Site. Notifications were completed by October 3, 2013.

The BAAQMD was notified of excavation activities at least five days prior to implementation in accordance with Regulation 8, Rule 40. The BAAQMD was notified on October 1, 2013.

4.0 EXCAVATION ACTIVITIES AND RESULTS

The following sections outline the excavation activities that were completed in accordance with the IRAP. Excavation activities commenced on October 14, 2013 and were completed on November 5, 2013; installation of the potential sub-slab depressurization system and concrete slab were completed on November 14, 2013. During excavation activities, the control measures presented in the IRAP were followed.

4.1 Overview

Interim remedial action included the excavation of shallow VOC-impacted soil to reduce the threat to human health and the environment beneath the Site with the goal of providing a permanent solution that reduces the toxicity, mobility and volume of contaminated media. The interim remedial action targeted areas beneath the building structure where PCE concentrations in vadose soil exceed approved RAOs.

4.2 Excavation Limits

The subsurface impacts of the suspected release to subsurface soil are limited in both lateral and vertical extent. The estimated area of PCE-impacted soils above or near the RAO measured approximately 20- by 40-feet extending to a depth of about 10 feet. The completed excavation limits are presented in Figure 3. Excavation was constrained in some areas beneath the shear wall by footings and utilities.

4.3 Excavation Methodologies

Access to the 7102 tenant space was provided through existing roll-up doors. Access to the 7104 tenant space was provided through the rear of the building.

The concrete floor slab overlying the proposed excavation was saw-cut and removed; construction debris was transported off-site for disposal or recycling. Excavation of PCE-impacted soil was performed by Innovative Construction Solutions (ICS), a California-licensed hazardous waste contractor based in Oakland, California. A backhoe attached to a mini-excavator was used to excavate accessible soil to an approximate depth of 10 feet bgs within the excavation limits.

The excavation activities were completed in a four-fold, phased manner: (1) slot cutting along the shear wall that separates the 7102 and 7104 tenant spaces; (2) general excavation on the distal ends of the excavation limits at a safe distance from the shear wall; (3) shallow trenching to native soil (within the sub-slab engineered fill) to install horizontal piping (see Section 4.6); and, (4) exposure of the sanitary sewer line to install CDF surrounding the sewer pipe in an effort to prevent potential soil vapor migration along the annulus of the sanitary sewer line back into the building.

4.3.1 Slot Cutting Excavation Area

The integrity of the shear wall separating the 7102 and 7104 tenant spaces was maintained in general accordance with the approved excavation plans. Prior to excavation, each side of the shear wall was braced using 2-inch by 12-inch beams that were secured with carriage bolts at least four feet beyond the edge of the excavation limits. Once secured, PCE-impacted soils on each side of the shear wall and below the wall (where practical) was removed in a series of slot trenches that varied in width between 5 and 8 feet in length. The footing and slab directly beneath the shear wall was left in place. The slot trenches were sequentially excavated to approximately 10 feet bgs.

Confirmation soil samples were not collected from within the limits of the slot cut excavation area based on proximity to existing analytical data and in an attempt to keep the excavation open for a minimal amount of time. Upon completion, the slot trenches were backfilled (Section 4.5.1) with CDF to approximately one foot below grade. Once completed, this process was completed for the other side of the wall.

4.3.2 General Excavation Area

Following slot-cutting on each side of the shear wall, the remainder of the VOC-containing soils within the excavation limits was removed using the backhoe of a mini-excavator. Confirmation soil samples were collected from the excavation sidewalls and floor at the approximate locations presented in Figure 3.

4.3.3 Concrete Slab Trenching to Install Horizontal Piping

As later discussed in Section 4.6, horizontal piping constructed of Schedule 40 PVC was installed within the sub-slab material for use as a potential vapor mitigation system in the event that sub-slab vapor conditions in the vicinity of the excavation limits do not meet the RAO. To complete this effort, approximate 2-foot wide shallow trenches extending to the top of native soil were completed using a backhoe. The locations of the trenches are presented in Figure 4.

4.3.4 Sanitary Sewer Line Exposure to Install CDF

In an effort to prevent future potential migration of VOC vapors from entering the newly completed excavation, the sanitary sewer at the rear of the building within the 7104 tenant space was exposed at the T-junction (just north of the bathrooms). CDF was installed within the annulus material and around the existing sewer line. The location of the sewer line that was exposed for installing CDF is presented in Figure 4.

4.4 Confirmation Soil Sampling Methodology

Soil samples from the excavation sidewalls within the main excavation were collected at a spacing of one sample per 20 lineal feet. The sidewall samples were collected at approximately 5 feet bgs, which was halfway between the surface and base of the excavation. Two soil samples were collected from the base of the excavation at a minimum of every 400 square feet. Two 10-foot samples (IE-19 and IE-29) were previously collected near the center of the proposed excavation limit (Figure 3). The additional floor samples 7102-GenEx-Floor-10.0 and 7104-GenEx-Floor-10.0 were collected from a depth of 10 feet bgs to the east of IE-19 and west of IE-29, respectively.

Soil samples were collected from the excavation floor and sidewalls using a backhoe; personnel did not enter the excavation. Soil samples for analysis of VOCs were collected from undisturbed soil within the backhoe using a multi-functional sampling device (i.e., Terra Core™ Sampler) in accordance with EPA Method 5035. Upon collection, the soil samples were labeled with identifying information, and stored in a pre-chilled ice-chest awaiting transportation to the analytical laboratory. Samples collected for chemical analysis were recorded onto a chain-of-custody document that accompanied the samples to Curtis & Tompkins, Ltd. (C&T), a state-certified laboratory based in Berkeley, California for analysis for VOCs using U.S. EPA Method 8260B. Soil samples were analyzed on a RUSH 24- to 48-hour turn-around time. Upon receipt of the analytical data, Iris Environmental verbally reported the data to ACEH prior to backfilling the general excavation. Over-excavation of soils was not performed confirmation soil samples were below the RAO.

4.5 Excavation Backfilling and Material

Excavation backfilling did not commence until the analytical data for the confirmation soil samples was evaluated. Because the concentrations of PCE in the confirmation soil samples were below the RAO, the excavation was backfilled as described in the sections below.

4.5.1 Slot Cutting Excavation Area

Upon completion of excavation within each sequenced slot trenched area, the excavation was filled with CDF from the base of the excavation to approximately one foot below the existing grade. Once the concrete slurry cured and backfilling at other locations described below was completed, horizontal piping was placed within washed pea gravel to approximately five inches below the existing grade. After backfilling (and installation of horizontal piping), excavated areas were resurfaced with concrete to match the surrounding surface to the extent practical.

4.5.2 General Excavation Area

Backfill material within the general excavation area also included the use of slurry concrete as described above. Once the concrete slurry cured, horizontal piping was placed within engineered gravel base rock material to approximately five inches below grade and excavated areas was resurfaced with concrete as previously described.

4.5.3 Concrete Slab Trenching to Install Horizontal Piping

Once the horizontal piping was installed, washed pea gravel was placed within the shallow trenches to an approximate depth of five inches below grade to minimize sediment from entering the perforations of the slotted horizontal piping (Section 4.6). Upon completion of laying the pea gravel, a layer of visqueen was placed atop the pea gravel and the trenched excavated area was resurfaced with concrete as previously described.

4.5.4 Sanitary Sewer Line Exposure to Install CDF

Upon completion of adding CDF to the annulus of the sanitary sewer line near the existing restroom in the 7104 tenant space, CDF was placed within the small excavation. Upon completion, the excavated area was resurfaced with concrete as previously described.

4.6 Installation of Horizontal Piping

In the unlikely event that vadose zone source removal of PCE-impacted soils does not effectively reduce the potential for vapor intrusion beneath the building, a series of horizontal screened (slotted) and blank (solid) PVC piping was installed beneath the existing slab. The horizontal piping could serve as potential infrastructure for either active or passive vapor mitigation measures if sub-slab vapor conditions in the vicinity of the former dry cleaning machine in the 7104 tenant space pose a vapor intrusion concern after excavation has been completed.

Design plans of the horizontal piping that could be used at a later date for potential vapor mitigation are presented in Figure 4.

The horizontal piping is constructed of Schedule-40 PVC casing with approximate 0.1-inch factory-cut slots that are flush-threaded to Schedule 40 PVC blank casing that runs within a common shallow trench extending to beyond the rear of the building. The blank casings at the rear of the building were capped below grade for connection to a potential vapor mitigation system in the possible future. The terminal ends of the horizontal screened sections of piping were fitted with PVC end caps. CDF was installed at the connections where the blank and screened piping meet and cross the excavation limits in an effort to maximize potential vapor mitigation system effectiveness.

4.7 Waste Disposal and Manifests

Soil removal activities were completed in accordance with the transportation plan presented in Section 5.0 of the IRAP.

Construction debris (i.e. concrete, metal framing) was removed and transported to Bush Transfer Station in Pleasanton, California for recycling.

Asbestos containing materials (ACM) were transported under manifest to Waste Management's Altamont Landfill (Altamont) in Livermore, California. A copy of the ACM waste manifest is presented in Appendix C.

Approximately 410 tons of soil were excavated and removed from the Site. The excavated soils generated during the excavation were placed into temporary roll-off bins that were sealed and labeled with the appropriate generator information and later transported to Altamont under manifest for proper disposal, as required. The excavated soils were transported by appropriately licensed waste haulers to the designated disposal facility. Transportation activities were performed in compliance with state and federal regulations. Copies of the soil waste manifests and weight tickets or bills of lading are presented in Appendix C.

5.0 SUB-SLAB AND SOIL VAPOR MONITORING

In accordance with the IRAP, sub-slab vapor conditions in and beyond the excavation area were monitored before, during and after the proposed excavation activities were completed. The data were used to evaluate the potential for vapor intrusion to existing and future occupants in accordance with the IRAP.

5.1 Sub-Slab Probe Installation

Interim excavation activities destroyed one of the existing long-term sub-slab probes (SS-02) and one soil vapor well (SV-02). On October 4, 2013, Iris Environmental installed two additional long-term sub-slab soil vapor probes (SS-04 and SS-05) beneath the slab. SS-04 was installed in the 7106 vacant tenant space to the west of the planned excavation. SS-05 was installed to the north of the excavation within the 7104 vacant space to evaluate the potential for vapor intrusion and effectiveness of the interim removal action. The approximate locations of SS-04 and SS-05 are presented in Figure 5.

The sub-slab probes were constructed of 3-inch stainless-steel implant probes installed just below the concrete slab approximately 3-4 inches within the existing sub-slab material. The sub-slab probes are manufactured by AMS and consist of a 1-inch diameter rubber shaft plug that is situated along a stainless-steel tube positioned just above the base of the slab. The 3-inch implant probe was embedded within the sub-base material beneath the tube and connected with Swagelok fittings to provide an adequate seal. A 12-inch long stainless-steel tube was then cut to account for actual slab thickness at each location. Once cut, the top of the tube was connected to a Swagelok connector (SS-400-7-4) that was flush-mounted with a 2-inch diameter recessed core. The annulus of the 1-inch core was filled with neat cement grout to the top of the rubber plug to provide a seal. Once the grout was cured, the top fitting was secured with a threaded "tamper-resistant" top that was sealed flush with the interior surface.

5.2 Soil Vapor and Sub-Slab Probe Sampling Methodology

Soil vapor samples were collected from the sub-slab and existing soil vapor probes to evaluate soil vapor concentrations beneath the Site in general accordance with the *Advisory - Active Soil Gas Investigations* (April 2012) prepared by California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board, and San Francisco Regional Water Quality Control Board. The sub-slab probes were sample before, during, and after the excavation activities. Newly installed sub-slab probes SS-04 and SS-05 were allowed to stabilize for a minimum of two hours prior to purging and sample collection. A total of nine soil vapor samples (7 primary samples and 2 duplicate samples) and 10 sub-slab samples (9 primary samples and 1 duplicate sample) were collected. The sub-slab samples were collected on October 8, 2013, October 21, 2013, and November 18, 2013; the soil vapor samples were collected on November 18, 2013.

Each soil gas sample for this project was collected using a helium shroud system. The helium shroud system was used to monitor for the intrusion of ambient air into samples through leaks in either the sample train or the annular space of the boring. Each shroud, built by Curtis & Tompkins, Ltd. (C&T), a State-certified analytical laboratory located in Berkeley, California, was constructed in general accordance with the principles illustrated in Appendix C of the 2012 DTSC Advisory. This shroud enclosed the entire above ground portion of the sampling train. A separate laboratory-cleaned shroud and sampling train were used for each sample.

Prior to purging, the sample tubing was fitted to the sampling train inside the shroud and the shroud was placed over the sampling point and then filled with helium (a tracer gas). The helium concentration in the shroud was monitored continuously using a diffusion cell helium sensor also supplied by C&T. The helium concentration was adjusted as needed to maintain an atmosphere of helium inside the shroud pursuant to the 2012 DTSC Advisory.

For the sub-slab samples, the tamper-resistant cap for the sub-slab probes was removed and a stainless-steel mini ball-valve adaptor was tightened to the Swagelok connector (SS-400-7-4) prior to purging and sampling. A closed hose barb connector (SS-4-AC-1-4) was then attached to the sample tubing that connected to the shroud.

A vacuum test was performed prior to purging each sample to confirm that the purge line was secure and that there were no obvious or significant leaks. As well, the vacuum gauge attached on the sampling line, which was attached to the sample Summa canister was checked periodically in order to assure there was no leak in the sampling line (i.e., if the vacuum gauge dropped below the initial SUMMA canister vacuum then ambient air was leaking into sample SUMMA canister).

For the soil vapor probes, approximately three volumes of the sum of the internal volume of tubing used, the void space of the sand pack around the probe tip, and one-half of the void space of the dry bentonite pack was purged from each location using a 60 milliliter (mL) syringe. Three volumes of the sum of the internal volume of stainless steel and Teflon tubing used were purged from each sub-slab location.

During purging, the purge syringe was connected to an in-line helium detector (also supplied by C&T) to monitor whether there were indications of surface leaks into the subsurface, improper installation of the soil gas inlet probe, or leaks in the purge line. Helium was not detected above five percent (recommended DTSC allowance) during purging indicating that the seals and manifolds were intact and representative samples could be collected.

After purging, soil vapor samples were collected at a flow rate between approximately 100 and 200 mL per minute, using 1.4-liter batch-certified SUMMA canisters provided by C&T. Duplicate soil vapor samples were collected from SV-01 and SS-04 for quality control. The vacuum gauge was recorded prior to the start of sampling and at the end of sampling to confirm sample collection. Upon collection, the soil vapor samples were recorded on a chain-of-custody document that accompanied the samples from the point of collection to the analytical laboratory.

Upon collection, the sub-slab and soil vapor samples were recorded on a chain-of-custody document that accompanied the samples from the point of collection to the analytical laboratory. The collected samples were analyzed for VOCs by EPA Method TO-15.

6.0 RESULTS

The following sections present and discuss the analytical soil and soil vapor data collected as part of this interim action.

6.1 Confirmation Soil Sample Analytical Results

The results of the analytical soil confirmation testing are presented in Table 1 and on Figure 3. Copies of the analytical laboratory reports are presented in Appendix B. In summary, concentrations of VOCs were not detected in the analyzed confirmation soil samples with the exception of acetone and PCE. Acetone was only detected in sample 7102-GenEx-Floor-10.0 at a concentration of 0.14 mg/Kg. Acetone is a common laboratory artifact. PCE was detected at concentrations ranging from less than the laboratory reporting limit of 0.0072 mg/Kg (sample 7102-GenEx-Floor-10.0) to 0.036 mg/kg (sample 7104-GenEx-WS-5.0). Additionally the results for the samples collected from historical borings IE-19 and IE-29 at a depth of 10 feet are

within the boundaries of the excavation. The results from confirmation samples collected during excavation and historical borings IE-19 and IE-29 at 10 feet bgs are below the RAO established at 0.55 mg/kg.

6.2 5-Foot Soil Vapor Analytical Results

A summary of the soil vapor analytical results before and after excavation is presented in Table 2. Soil vapor analytical results were compared to commercial use ESLs. Copies of the laboratory reports and chain-of-custody documentation are included in Appendix B.

Eight soil vapor wells (SV-01 to SV-08) initially monitored the vapor conditions from approximately five feet bgs. SV-02 was destroyed during excavation. The highest concentrations of PCE in the 5-foot vapor wells before excavation activities were detected at SV-02 (610,000 $\mu g/m^3$) near the former dry cleaning machine. The soil and soil vapor at this location was successfully removed during the recently completed excavation activities. The surrounding soil vapor wells were sampled after the excavation activities were completed to evaluate conditions at depth post-excavation. The initial post-excavation analytical results for the 5-foot vapor wells indicate that concentrations of PCE in the northern portion of the Site (SV-01, SV-03 and SV-07) appear unchanged and are still below the RAO established at 2,100 $\mu g/m^3$. The concentrations of PCE in the southern portions of the building and outside in proximity to the sanitary sewer line show both increasing and decreasing concentrations.

6.3 Sub-Slab Vapor Analytical Results

A summary of the sub-slab soil vapor analytical results before, during and after excavation is presented in Table 3. The soil vapor analytical results were compared to theoretical calculated indoor air ESLs using a default attenuation factor of 0.05, as recommended by DTSC guidance. Copies of the laboratory reports and chain-of-custody documentation are included in Appendix B

Five sub-slab vapor probes (SS-01 to SS-05) initially monitored the vapor conditions just beneath the concrete slab within Units 7102, 7104 and 7106 prior to excavation. SS-02 was destroyed during excavation; SS-05 was installed just to the north of this location. The highest concentrations of PCE just beneath the slab before (and during excavation activities) were detected in the vicinity of SS-02 (54,000 $\mu g/m^3$) and SS-05 (8,200 $\mu g/m^3$ and 39,000 $\mu g/m^3$) located near the former dry cleaning machine. The remaining probes were sampled after the excavation activities were completed to evaluate post-excavation conditions. The initial post-excavation analytical results for the sub-slab vapor probes indicate that the PCE concentration in the vicinity of the excavation (SS-05) decreased to 740 $\mu g/m^3$. However, the concentrations of PCE in the samples collected from the sub-slab vapor probes further away from the completed excavation at SS-01 (Unit 7104), SS-03 (Unit 7102) and SS-04 (Unit 7106) increased to 10,000 $\mu g/m^3$, 420 $\mu g/m^3$ and 490 $\mu g/m^3$, respectively, and above the pre-excavation concentrations of PCE of 8.6 $\mu g/m^3$ (SS-01), 17 $\mu g/m^3$ (SS-03) and 140 $\mu g/m^3$ (SS-04), respectively. The concentrations of PCE in the post-excavation samples are above the RAO established at 42 $\mu g/m^3$.

6.4 Quality Assurance/Quality Control

No obvious signs of vapor leakage were observed during the sub-slab and soil vapor sampling activities. Helium (the leak check compound) was not detected during purging at concentrations above DTSC's leakage threshold recommendation of 5% indicating that significant leaks did not occur during collection of the samples.

The soil and soil vapor analytical laboratory data was reviewed by Iris Environmental to establish its validity and to ensure the laboratory data was complete and accurate. Iris Environmental verified that holding times for each analytical method were achieved and that the laboratory achieved the specific data quality objectives for each selected analytical method. A review of the data validation process indicates that the laboratories completed QA/QC activities required for the samples such as blanks, lab control samples, matrix spikes, and duplicates. The QA/QC parameters for the samples were within acceptable limits.

In addition, duplicate samples collected from SS-04 and SV-27 showed good precision. Based on the above information, the analytical data are useful for its intended purpose.

7.0 DISCUSSION

Iris Environmental oversaw the successful removal of approximately 410 cubic yards of PCE-impacted soils from the 7102 and 7104 tenant spaces from beneath and in the vicinity of the former dry cleaning machine (Figure 3). The excavation measured approximately 20 feet wide by 40 feet long and 10 feet deep. Confirmation soil sampling from the sidewalls and floor of the completed excavation indicates that the soil RAO of 0.55 mg/kg set upon in the IRAP were achieved. Based on the post-excavation soil analytical data, no further soil remediation appears warranted.

Prior to re-installing the concrete floor slab, Iris Environmental oversaw the installation of the potential sub-slab depressurization system just below the concrete slab within Units 7102 and 7104 in general accordance with the approved IRAP. This potential system may be used as an active or a passive system in the event the soil vapor concentrations beneath the slab do not continue to decrease. The potential sub-slab system was installed to the specifications presented in Figure 4.

The removal of PCE-impacted vadose soil appears to have resulted in decreasing concentrations of PCE in the soil vapor in the vicinity of the former PCE dry cleaning machine. It appears likely that fresh air was exposed to the sub-slab, soil and/or backfill material of the existing sanitary sewer line during excavation (as expected) and that the pressure gradients (circulation of fresh air and/or exothermic curing of concrete) caused PCE concentrations in anterior air spaces at distance away from the excavation to vary from location to location.

The initial elevated post-excavation soil vapor concentrations in anterior air spaces are likely temporary. We expect the soil vapor concentrations to decline over time because the post-excavation sub-slab soil vapor samples were collected only a few days after the newly poured concrete slab was completed. Based on the initial post-excavation soil vapor data, it appears that the soil vapor conditions beneath the newly completed concrete slab have not had sufficient time to fully equilibrate. Soil vapor conditions beneath the slab would likely be more favorable if additional time allowed for conditions to reach equilibrium.

8.0 RECOMMENDATIONS

Based on the analytical data and interim removal action completed, Iris Environmental recommends the following:

• Collect indoor air samples and follow-up sub-slab soil vapor samples to further evaluate whether there are actual vapor intrusion levels of concern and if conditions beneath the slab are improving or are representative of stabilized conditions. A sub-slab depressurization system was recently installed beneath the slab to mitigate potential vapor intrusion concerns to building occupants (in the event that the above-recommended indoor air and follow-up sub-slab vapor sampling event are not favorable). For these reasons, we believe that future occupants would be adequately protected from potential vapor intrusion concerns once confirmatory indoor air samples are collected and/or after potential mitigation measures are implemented.

9.0 LIMITATIONS

This report is based upon current Site conditions observed by Iris Environmental and current laws, policies, and regulations as of the date of this report. Iris Environmental will not distribute or publish this report without the prior express written consent of the Ready Family Partnership, L.P. except as required by law or court order. The information and opinions expressed in this report are based upon the information available to Iris Environmental and are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Iris Environmental in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

10.0 SIGNATURES

This IRAR prepared by:



Craig Pelletier, PG Senior Manager

This IRAR reviewed by:

Christopher Alger, PG, CEG, ChG

Principal

January 13, 2014

Iris Project No. 13-945C

11.0 REFERENCES

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- Basics Environmental. 2012. *Limited Phase II Environmental Site Sampling Report*, 7100-7120 Dublin Boulevard, Dublin, California. November 9.
- California Department of Public Health (CDPH). 2013. MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants. January 30.
- Cal/EPA. 2013. May 2013 Update to Environmental Screening Levels. California Regional Water Quality Control Board (RWQCB). San Francisco Bay Region. May 23.
- DTSC. 2011. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air. October.
- DTSC. 2012. Advisory Active Soil Gas Investigations. April.
- Iris Environmental. 2013a. *Subsurface Investigation Report*, Former Park Avenue Cleaners at 7100-7120 Dublin Boulevard, Dublin, Alameda County, California. ACEH Case No. RO3113. September 6.
- Iris Environmental. 2013b. *Interim Removal Action Plan*, Former Park Avenue Cleaners at 7100-7120 Dublin Boulevard, Dublin, Alameda County, California. ACEH Case No. RO3113. September 9.
- Iris Environmental. 2013c. *Revised Interim Removal Action Plan*, Former Park Avenue Cleaners at 7100-7120 Dublin Boulevard, Dublin, Alameda County, California. ACEH Case No. RO3113. September 19.

Tables

Table 1. Summary of Confirmation Soil Sample Analytical Results - VOCs

| Parameter | Units | Screening Level | | | | Sam | ples | | | |
|---|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Location | | | 7102 | 7102 | 7102 | 7102 | 7104 | 7104 | 7104 | 7104 |
| Excavation Sidewall/Floor | _ | _ | North | South | East | Floor | North | South | West | Floor |
| Depth | feet bgs | _ | 5.0 | 5.0 | 5.0 | 10.0 | 5.0 | 5.0 | 5.0 | 10.0 |
| Date | mm/dd/yy | - | 10/29/13 | 10/18/13 | 10/28/13 | 10/28/13 | 11/05/13 | 11/01/13 | 11/01/13 | 11/05/13 |
| Acetone | mg/kg | 590,000 | < 0.018 | < 0.018 | < 0.018 | 0.14 | < 0.020 | < 0.016 | < 0.019 | < 0.019 |
| Benzene | mg/kg | 3.7 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Bromobenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Bromodichloromethane | mg/kg | 2.4 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Bromoform | mg/kg | 260 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Bromomethane (methyl bromide) | mg/kg | 38 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| 2-Butanone (methyl ethyl ketone) | mg/kg | 250,000 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| n-Butylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| sec-Butylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| tert-Butylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Carbon disulfide | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Carbon tetrachloride | mg/kg | 0.58 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Chlorobenzene | mg/kg | 12,000 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Chlorobromomethane (bromochloromethane) | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Chlorodibromomethane (dibromochloromethane) | mg/kg | 34 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Chloroethane (ethyl chloride) | mg/kg | 170,000 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| Chloroform | mg/kg | 5.7 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Chloromethane (methyl chloride) | mg/kg | 450 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| 2-Chlorotoluene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |

Table 1. Summary of Confirmation Soil Sample Analytical Results - VOCs

| Parameter | Units | Screening Level | | | | Sam | ples | | | |
|--|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Location | | | 7102 | 7102 | 7102 | 7102 | 7104 | 7104 | 7104 | 7104 |
| Excavation Sidewall/Floor | _ | _ | North | South | East | Floor | North | South | West | Floor |
| Depth | feet bgs | _ | 5.0 | 5.0 | 5.0 | 10.0 | 5.0 | 5.0 | 5.0 | 10.0 |
| Date | mm/dd/yy | - | 10/29/13 | 10/18/13 | 10/28/13 | 10/28/13 | 11/05/13 | 11/01/13 | 11/01/13 | 11/05/13 |
| 4-Chlorotoluene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Cumene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Cymene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2-Dibromo-3-chloropropane | mg/kg | 0.41 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2-Dibromoethane (ethylene dibromide) | mg/kg | 0.53 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2-Dichlorobenzene | mg/kg | 11,000 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,3-Dichlorobenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,4-Dichlorobenzene | mg/kg | 14 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Dichlorodifluoromethane (Freon 12) | mg/kg | none | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| 1,1-Dichloroethane (1,1-DCA) | mg/kg | 18 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2-Dichloroethane (1,2-DCA) | mg/kg | 2.2 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1-Dichloroethene (1,1-DCE) | mg/kg | 1,200 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| cis-1,2-Dichloroethene (cis-1,2-DCE) | mg/kg | 2,000 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| trans-1,2-Dichloroethene (trans-1,2-DCE) | mg/kg | 590 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2-Dichloropropane | mg/kg | 4.1 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,3-Dichloropropane | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 2,2-Dichloropropane | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1-Dichloropropene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| cis-1,3-Dichloropropene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |

Table 1. Summary of Confirmation Soil Sample Analytical Results - VOCs

| Parameter | Units | Screening Level | | | | Sam | ples | | | |
|---|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Location | | | 7102 | 7102 | 7102 | 7102 | 7104 | 7104 | 7104 | 7104 |
| Excavation Sidewall/Floor | _ | _ | North | South | East | Floor | North | South | West | Floor |
| Depth | feet bgs | _ | 5.0 | 5.0 | 5.0 | 10.0 | 5.0 | 5.0 | 5.0 | 10.0 |
| Date | mm/dd/yy | - | 10/29/13 | 10/18/13 | 10/28/13 | 10/28/13 | 11/05/13 | 11/01/13 | 11/01/13 | 11/05/13 |
| trans-1,3-Dichloropropene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Ethylbenzene | mg/kg | 24 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Hexachlorobutadiene | mg/kg | 37 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 2-Hexanone (methyl butyl ketone) | mg/kg | none | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| Methyl tert-butyl ether (MTBE) | mg/kg | 190 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Methylene bromide | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Methylene chloride | mg/kg | 49 | < 0.018 | < 0.018 | < 0.018 | < 0.029 | < 0.020 | < 0.016 | < 0.019 | < 0.019 |
| 4-Methyl-2-pentanone (methyl isobutyl ketone) | mg/kg | 240,000 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| Naphthalene | mg/kg | 15 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| n-Propylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Styrene | mg/kg | 42,000 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1,1,2-Tetrachloroethane | mg/kg | 19 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1,2,2-Tetrachloroethane | mg/kg | 2.3 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Tetrachloroethene (PCE) | mg/kg | 0.55 | 0.015 | 0.023 | 0.014 | < 0.0072 | 0.023 | 0.029 | 0.036 | 0.022 |
| Toluene | mg/kg | 4,900 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2,3-Trichlorobenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2,4-Trichlorobenzene | mg/kg | 700 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1,1-Trichloroethane (1,1,1-TCA) | mg/kg | 47,000 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1,2-Trichloroethane (1,1,2-TCA) | mg/kg | 4.4 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |

Table 1. Summary of Confirmation Soil Sample Analytical Results - VOCs

| Parameter | Units | Screening Level | | | | Sam | ples | | | |
|---|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Location | | _ | 7102 | 7102 | 7102 | 7102 | 7104 | 7104 | 7104 | 7104 |
| Excavation Sidewall/Floor | _ | _ | North | South | East | Floor | North | South | West | Floor |
| Depth | feet bgs | _ | 5.0 | 5.0 | 5.0 | 10.0 | 5.0 | 5.0 | 5.0 | 10.0 |
| Date | mm/dd/yy | _ | 10/29/13 | 10/18/13 | 10/28/13 | 10/28/13 | 11/05/13 | 11/01/13 | 11/01/13 | 11/05/13 |
| Trichloroethene (TCE) | mg/kg | 8.3 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Trichlorofluoromethane (Freon 11) | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2,3-Trichloropropane | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,2,4-Trimethylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| 1,3,5-Trimethylbenzene | mg/kg | none | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| Vinyl acetate | mg/kg | none | < 0.046 | < 0.045 | < 0.046 | < 0.072 | < 0.049 | < 0.040 | < 0.048 | < 0.047 |
| Vinyl chloride | mg/kg | 0.16 | < 0.0092 | < 0.0090 | < 0.0092 | < 0.014 | < 0.0099 | < 0.0080 | < 0.0095 | < 0.0094 |
| m-,p-Xylene | mg/kg | 2,600 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |
| o-Xylene | mg/kg | 2,600 | < 0.0046 | < 0.0045 | < 0.0046 | < 0.0072 | < 0.0049 | < 0.0040 | < 0.0048 | < 0.0047 |

Notes:

(2) Soil sampling results are compared to Environmental Screening Levels (ESLs) for direct exposure to soil under a commercial/industrial scenario; except tetrachloroethene (PCE), which is compared to ESLs for direct exposure to soil under a residential scenario (Cal/EPA, May 2013).

Definitions:

feet bgs feet below ground surface

mg/kg micrograms per kilogram

⁽¹⁾ Detections are shown in **bold font**.

Table 2. Summary of Soil Vapor Analytical Results - VOCs

| Parameter | Units | ESL | | | | | | | | | Samples | | | | | | | | |
|---|------------|-------------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Sample ID | | | SV-01 | SV-01 | SV-01 | SV-02 | SV-03 | SV-03 | SV-04 | SV-04 | SV-05 | SV-05 | SV-06 | SV-06 | SV-07 | SV-07 | SV-08 | SV-08 | SV-08 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | IE-26 | IE-26 | IE-05 | IE-05 | IE-25 | IE-25 | IE-14 | IE-14 | IE-27 | IE-27 | IE-27 |
| Sample Type | _ | _ | _ | Primary | Duplicate | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ |
| Sample Date | mm/dd/yy | _ | 08/07/13 | 11/18/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | - | _ | Pre | Post | Post | Pre | Pre | Post | Pre | Pre | Post |
| Acetone | μg/m3 | 140,000,000 | 9.9 | <8.5 | <8.7 | <5,200 | 130 | <8.3 | 39 | <49 | 320 | <180 | <580 | < 500 | 460 | <16 | <55 | <51 | <180 |
| Acrolein | $\mu g/m3$ | none | <9.3 | <8.2 | <8.4 | <5,100 | <9.3 | <8.0 | <9.6 | <47 | <57 | <170 | < 560 | <480 | <9.3 | <16 | <53 | < 50 | <170 |
| Benzene | $\mu g/m3$ | 420 | <3.2 | < 2.8 | < 2.9 | <1,800 | 52 | <2.8 | 84 | <16 | 48 | <60 | <190 | <170 | 68 | < 5.5 | 48 | 45 | <60 |
| Benzyl chloride (alpha chlorotoluene) | $\mu g/m3$ | none | < 5.3 | <4.6 | <4.7 | <2,900 | <5.2 | <4.5 | <5.4 | <27 | <32 | <97 | <320 | <270 | <5.3 | < 9.0 | <30 | <28 | <98 |
| Bromodichloromethane | $\mu g/m3$ | 330 | < 6.8 | < 6.0 | < 6.1 | <3,700 | <6.8 | < 5.8 | <7.0 | <35 | <41 | <130 | <410 | <350 | <6.8 | <12 | <39 | <36 | <130 |
| Bromoform | $\mu g/m3$ | none | <10 | < 9.2 | <9.5 | <5,700 | <10 | < 9.0 | <11 | <53 | <64 | <190 | <630 | < 540 | <10 | <18 | <60 | < 56 | < 200 |
| Bromomethane (methyl bromide) | $\mu g/m3$ | 22,000 | < 3.9 | < 3.5 | < 3.6 | <2,100 | <3.9 | <3.4 | <4.1 | <20 | <24 | <73 | <240 | < 200 | <3.9 | < 6.7 | <23 | <21 | <73 |
| 1,3-Butadiene | $\mu g/m3$ | none | <2.2 | < 2.0 | < 2.0 | <1,200 | 6.8 | <1.9 | <2.3 | <11 | <14 | <42 | <130 | <120 | <2.2 | <3.8 | <13 | <12 | <42 |
| 2-Butanone (methyl ethyl ketone) | $\mu g/m3$ | 22,000,000 | <3.0 | < 2.6 | < 2.7 | <1,600 | 69 | < 2.6 | 39 | <15 | 29 | <55 | <180 | <150 | 46 | < 5.1 | <17 | <16 | < 56 |
| Carbon disulfide | $\mu g/m3$ | none | <3.2 | < 2.8 | < 2.8 | <1,700 | 7.0 | 2.7 | 12 | <16 | <19 | < 59 | <190 | <160 | 5.6 | 10 | 190 | 170 | < 59 |
| Carbon tetrachloride | $\mu g/m3$ | 290 | < 6.4 | < 5.6 | < 5.8 | <3,500 | <6.4 | < 5.5 | <6.6 | <32 | <39 | <120 | <380 | <330 | <6.4 | <11 | <37 | <34 | <120 |
| Chlorobenzene | $\mu g/m3$ | 4,400,000 | <4.7 | <4.1 | <4.2 | <2,500 | <4.6 | <4.0 | <4.8 | <24 | <28 | <87 | <280 | <240 | <4.7 | <8.0 | <27 | <25 | <87 |
| Chlorodibromomethane (dibromochloromethane) | $\mu g/m3$ | none | <8.6 | < 7.6 | < 7.8 | <4,700 | <8.6 | <7.4 | <8.9 | <44 | <53 | <160 | <520 | <450 | <8.6 | <15 | < 50 | <46 | <160 |
| Chloroethane (ethyl chloride) | $\mu g/m3$ | 130,000,000 | < 2.7 | <2.3 | <2.4 | <1,500 | <2.7 | <2.3 | <2.8 | <14 | <16 | < 50 | <160 | <140 | <2.7 | <4.6 | <15 | <14 | < 50 |
| Chloroform | $\mu g/m3$ | 2,300 | < 5.0 | <4.3 | <4.5 | <2,700 | 9.4 | <4.2 | <5.1 | 27 | <30 | <92 | <300 | <260 | <5.0 | <8.4 | <28 | <26 | <92 |
| Chloromethane (methyl chloride) | $\mu g/m3$ | 390,000 | <2.1 | <1.8 | <1.9 | <1,100 | <2.1 | <1.8 | <2.2 | <11 | <13 | <39 | <130 | <110 | <2.1 | < 3.6 | <12 | <11 | <39 |
| Cyclohexane | $\mu g/m3$ | none | 3.6 | <3.1 | <3.1 | <1,900 | 91 | < 3.0 | 100 | <18 | 120 | <65 | <210 | <180 | 63 | < 6.0 | 550 | 510 | <65 |
| 1,2-Dibromoethane (ethylene dibromide) | $\mu g/m3$ | 170 | <7.8 | < 6.8 | < 7.0 | <4,200 | <7.8 | < 6.7 | <8.1 | <40 | <47 | <140 | <470 | <400 | <7.8 | <13 | <45 | <41 | <150 |
| 1,2-Dichlorobenzene | $\mu g/m3$ | 880,000 | < 6.1 | < 5.4 | < 5.5 | <3,300 | <6.1 | < 5.2 | <6.3 | <31 | <37 | <110 | <370 | <320 | <6.1 | <10 | <35 | <32 | <110 |
| 1,3-Dichlorobenzene | $\mu g/m3$ | none | < 6.1 | < 5.4 | < 5.5 | <3,300 | <6.1 | < 5.2 | <6.3 | <31 | <37 | <110 | <370 | <320 | <6.1 | <10 | <35 | <32 | <110 |
| 1,4-Dichlorobenzene | $\mu g/m3$ | 1,100 | < 6.1 | < 5.4 | < 5.5 | <3,300 | <6.1 | < 5.2 | <6.3 | <31 | <37 | <110 | <370 | <320 | <6.1 | <10 | <35 | <32 | <110 |
| Dichlorodifluoromethane (Freon 12) | $\mu g/m3$ | none | < 5.0 | <4.4 | <4.5 | <2,700 | < 5.0 | <4.3 | <5.2 | <26 | <31 | <93 | <300 | <260 | <5.0 | < 8.6 | <29 | <27 | <93 |
| 1,1-Dichloroethane (1,1-DCA) | $\mu g/m3$ | 7,700 | <4.1 | < 3.6 | <3.7 | <2,200 | <4.1 | <3.5 | <4.2 | <21 | <25 | <76 | <250 | <210 | <4.1 | < 7.0 | <24 | <22 | < 76 |
| 1,2-Dichloroethane (1,2-DCA) | $\mu g/m3$ | 580 | <4.1 | <3.6 | <3.7 | <2,200 | <4.1 | <3.5 | <4.2 | <21 | <25 | <76 | <250 | <210 | <4.1 | < 7.0 | <24 | <22 | < 76 |
| 1,1-Dichloroethene (1,1-DCE) | μg/m3 | 880,000 | <4.0 | <3.5 | <3.6 | <2,200 | <4.0 | <3.4 | <4.2 | <20 | <25 | <75 | <240 | <210 | <4.0 | < 6.9 | <23 | <21 | <75 |
| cis-1,2-Dichloroethene (cis-1,2-DCE) | μg/m3 | none | <4.0 | <3.5 | <3.6 | <2,200 | <4.0 | <3.4 | <4.2 | <20 | <25 | <75 | <240 | <210 | <4.0 | < 6.9 | <23 | <21 | <75 |
| trans-1,2-Dichloroethene (trans-1,2-DCE) | μg/m3 | 260,000 | <4.0 | <3.5 | <3.6 | <2,200 | <4.0 | <3.4 | <4.2 | <20 | <25 | <75 | <240 | <210 | <4.0 | < 6.9 | <23 | <21 | <75 |
| 1,2-Dichloropropane | μg/m3 | 1,200 | <4.7 | <4.1 | <4.2 | <2,600 | <4.7 | <4.0 | <4.9 | <24 | <29 | <87 | <280 | <240 | <4.7 | <8.0 | <27 | <25 | <87 |
| cis-1,3-Dichloropropene | μg/m3 | none | <4.6 | <4.0 | <4.2 | <2,500 | <4.6 | <3.9 | <4.8 | <23 | <28 | <85 | <280 | <240 | <4.6 | < 7.9 | <26 | <25 | <86 |
| trans-1,3-Dichloropropene | µg/m3 | none | <4.6 | <4.0 | <4.2 | <2,500 | <4.6 | <3.9 | <4.8 | <23 | <28 | <85 | <280 | <240 | <4.6 | < 7.9 | <26 | <25 | <86 |

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Table 2. Summary of Soil Vapor Analytical Results - VOCs

| Parameter Parameter | Units | ESL | | | | | | | | | Samples | | | | | | | | |
|--|------------|------------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Sample ID | _ | | SV-01 | SV-01 | SV-01 | SV-02 | SV-03 | SV-03 | SV-04 | SV-04 | SV-05 | SV-05 | SV-06 | SV-06 | SV-07 | SV-07 | SV-08 | SV-08 | SV-08 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | IE-26 | IE-26 | IE-05 | IE-05 | IE-25 | IE-25 | IE-14 | IE-14 | IE-27 | IE-27 | IE-27 |
| Sample Type | _ | _ | _ | Primary | Duplicate | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ |
| Sample Date | mm/dd/yy | _ | 08/07/13 | 11/18/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | - | - | Pre | Post | Post | Pre | Pre | Post | Pre | Pre | Post |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | μg/m3 | none | <7.1 | <6.2 | <6.4 | <3,900 | <7.1 | <6.1 | <7.3 | <36 | <43 | <130 | <430 | <370 | <7.1 | <12 | <41 | <38 | <130 |
| Ethyl acetate | $\mu g/m3$ | none | <3.7 | < 3.2 | <3.3 | <2,000 | <3.6 | <3.1 | <3.8 | <19 | <22 | <68 | <220 | <190 | <3.7 | < 6.2 | <21 | <19 | <68 |
| Ethylbenzene | $\mu g/m3$ | 4,900 | <4.4 | < 3.9 | <4.0 | <2,400 | 14 | <3.8 | 18 | <22 | <27 | <82 | <260 | <230 | 15 | <7.5 | 120 | 110 | <82 |
| 4-Ethyltoluene | $\mu g/m3$ | none | < 5.0 | <4.4 | <4.5 | <2,700 | 6.5 | <4.3 | 8.0 | <25 | <30 | <92 | <300 | <260 | 7.0 | < 8.5 | 50 | 41 | <93 |
| Heptane | $\mu g/m3$ | none | <4.2 | < 3.6 | < 3.7 | <2,300 | 54 | < 3.6 | 87 | <21 | 66 | <77 | <250 | <220 | 69 | <7.1 | 25 | 25 | <77 |
| Hexachlorobutadiene | $\mu g/m3$ | none | <11 | <9.5 | <9.8 | <5,900 | <11 | <9.3 | <11 | <55 | <66 | <200 | <650 | < 560 | <11 | <18 | <62 | < 58 | < 200 |
| Hexane | $\mu g/m3$ | none | < 3.6 | <3.1 | < 3.2 | <1,900 | 29 | <3.1 | 100 | <18 | 29 | <66 | <210 | <190 | 43 | <6.1 | <21 | <19 | <67 |
| 2-Hexanone (methyl butyl ketone) | $\mu g/m3$ | none | <4.2 | < 3.6 | <3.7 | <2,300 | <4.1 | <3.6 | <4.3 | <21 | <25 | <77 | <250 | <220 | <4.2 | <7.1 | <24 | <22 | <77 |
| Methyl tert-butyl ether (MTBE) | $\mu g/m3$ | 47,000 | < 3.7 | < 3.2 | <3.3 | <2,000 | <3.6 | <3.1 | <3.8 | <19 | <22 | <68 | <220 | <190 | <3.7 | < 6.2 | <21 | <19 | <68 |
| Methylene chloride | $\mu g/m3$ | 26,000 | <3.5 | <3.1 | < 3.2 | <1,900 | <3.5 | <3.0 | <3.6 | <18 | <21 | <65 | <210 | <180 | <3.5 | < 6.0 | <20 | <19 | <66 |
| 4-Methyl-2-pentanone (methyl isobutyl ketone) | $\mu g/m3$ | 13,000,000 | <4.2 | < 3.6 | <3.7 | <2,300 | 37 | < 3.6 | 41 | <21 | <25 | <77 | <250 | <220 | 12 | <7.1 | <24 | <22 | <77 |
| Naphthalene | $\mu g/m3$ | 360 | <21 | <19 | <19 | <12,000 | <21 | <18 | <22 | <110 | <130 | <390 | <1,300 | <1,100 | <21 | <36 | <120 | <110 | <400 |
| Styrene | $\mu g/m3$ | 3,900,000 | <4.3 | <3.8 | < 3.9 | <2,400 | <4.3 | <3.7 | <4.5 | <22 | <26 | <80 | <260 | <220 | <4.3 | <7.4 | <25 | <23 | <81 |
| 1,1,2,2-Tetrachloroethane | $\mu g/m3$ | 210 | <7.0 | < 6.1 | < 6.3 | <3,800 | <6.9 | < 6.0 | <7.2 | <35 | <42 | <130 | <420 | <360 | <7.0 | <12 | <40 | <37 | <130 |
| Tetrachloroethene (PCE) | $\mu g/m3$ | 2,100 | 290 | 240 | 250 | 610,000 | 31 | 54 | 1,200 | 2,900 | 7,300 | 11,000 | 51,000 | 37,000 | 340 | 1,200 | 5,800 | 5,300 | 10,000 |
| Tetrahydrofuran | $\mu g/m3$ | none | 3.3 | < 2.6 | < 2.7 | <1,600 | <3.0 | <2.6 | 4.3 | <15 | 560 | <55 | <180 | <150 | <3.0 | < 5.1 | <17 | <16 | < 56 |
| Toluene | $\mu g/m3$ | 1,300,000 | 4.3 | <3.4 | <3.4 | <2,100 | 140 | <3.3 | 170 | <19 | 290 | <71 | <230 | <200 | 170 | < 6.5 | 570 | 530 | <71 |
| 1,2,4-Trichlorobenzene | $\mu g/m3$ | 18,000 | <7.5 | < 6.6 | < 6.8 | <4,100 | <7.5 | <6.5 | <7.8 | <38 | <46 | <140 | <450 | <390 | <7.5 | <13 | <43 | <40 | <140 |
| 1,1,1-Trichloroethane (1,1,1-TCA) | $\mu g/m3$ | 22,000,000 | < 5.5 | <4.9 | < 5.0 | <3,000 | <5.5 | <4.7 | <5.7 | <28 | <34 | <100 | <330 | <290 | <5.5 | <9.4 | <32 | <29 | <100 |
| 1,1,2-Trichloroethane (1,1,2-TCA) | $\mu g/m3$ | 770 | < 5.5 | <4.9 | < 5.0 | <3,000 | <5.5 | <4.7 | <5.7 | <28 | <34 | <100 | <330 | <290 | <5.5 | <9.4 | <32 | <29 | <100 |
| Trichloroethene (TCE) | $\mu g/m3$ | 3,000 | < 5.5 | <4.8 | <4.9 | <3,000 | <5.4 | <4.7 | 10 | <28 | <33 | <100 | 980 | 3,000 | <5.5 | <9.3 | <31 | <29 | <100 |
| Trichlorofluoromethane (Freon 11) | $\mu g/m3$ | none | < 5.7 | < 5.0 | < 5.1 | <3,100 | <5.7 | <4.9 | < 5.9 | <29 | <35 | <110 | <340 | <290 | <5.7 | <9.7 | <33 | <30 | <110 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | $\mu g/m3$ | none | <7.8 | < 6.8 | <7.0 | <4,200 | <7.7 | < 6.7 | <8.0 | <40 | <47 | <140 | <470 | <400 | <7.8 | <13 | <45 | <41 | <140 |
| 1,2,4-Trimethylbenzene | $\mu g/m3$ | none | < 5.0 | <4.4 | <4.5 | <2,700 | 22 | <4.3 | 23 | <25 | <30 | <92 | <300 | <260 | 23 | < 8.5 | 120 | 110 | <93 |
| 1,3,5-Trimethylbenzene | μg/m3 | none | < 5.0 | <4.4 | <4.5 | <2,700 | 5.0 | <4.3 | 6.8 | <25 | <30 | <92 | <300 | <260 | 5.4 | < 8.5 | <29 | <27 | <93 |
| Vinyl acetate | μg/m3 | none | <3.6 | <3.1 | < 3.2 | <1,900 | <3.6 | <3.1 | <3.7 | <18 | <22 | <66 | <210 | <180 | <3.6 | <6.1 | <20 | <19 | <67 |
| Vinyl chloride | $\mu g/m3$ | 160 | < 2.6 | <2.3 | <2.3 | <1,400 | <2.6 | <2.2 | <2.7 | <13 | <16 | <48 | <160 | <130 | <2.6 | <4.4 | <15 | <14 | <48 |
| o-Xylene | $\mu g/m3$ | 440,000 | <4.4 | < 3.9 | <4.0 | <2,400 | 17 | <3.8 | 21 | <22 | 27 | <82 | <260 | <230 | 19 | <7.5 | 130 | 120 | <82 |
| m-,p-Xylene | $\mu g/m3$ | 440,000 | 4.7 | < 3.9 | <4.0 | <2,400 | 53 | <3.8 | 69 | <22 | 95 | <82 | <260 | <230 | 59 | <7.5 | 460 | 400 | <82 |

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Interim Removal Action Report 7100 - 7120 Dublin Boulevard Dublin, California

Table 2. Summary of Soil Vapor Analytical Results - VOCs

| Parameter | Units | ESL | | | | | | | | | Samples | | | | | | | | |
|---------------------------------------|----------|-----|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Sample ID | _ | _ | SV-01 | SV-01 | SV-01 | SV-02 | SV-03 | SV-03 | SV-04 | SV-04 | SV-05 | SV-05 | SV-06 | SV-06 | SV-07 | SV-07 | SV-08 | SV-08 | SV-08 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | IE-26 | IE-26 | IE-05 | IE-05 | IE-25 | IE-25 | IE-14 | IE-14 | IE-27 | IE-27 | IE-27 |
| Sample Type | _ | _ | _ | Primary | Duplicate | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ |
| Sample Date | mm/dd/yy | _ | 08/07/13 | 11/18/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 11/18/13 | 08/07/13 | 08/07/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | _ | _ | Pre | Post | Post | Pre | Pre | Post | Pre | Pre | Post |

Notes:

- (1) Soil gas sampling results are reported in micrograms per cubic meter ($\mu g/m^3$).
- (2) Detections are shown in **bold font**.
- (3) Highlighted results indicate an exceedance over the screening level.
- (4) Sample results from location SV-02 are presented in gray font to indicate that the location was removed during excavation.
- (5) Soil gas sampling results are compared to published Environmental Screening Levels (ESLs) for shallow soil gas to evaluate potential vapor intrusion under a commercial/industrial land use scenario (Cal/EPA, 2013).
- (6) Elevated reporting limits were observed above the ESL in some samples due to significant concentrations of PCE in the analyzed sample; these samples required dilution to evaluate the concentration of PCE, which resulted in subsequent elevated reporting limits for other analyzed compounds.

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Table 3. Summary of Sub-slab Soil Vapor Analytical Results

| Parameter | Units | ESL | | | | | | San | nples | | | | | |
|--|------------|-----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|
| Sample ID | | | SS-01 | SS-01 | SS-02 | SS-03 | SS-03 | SS-04 | SS-04 | SS-04 | SS-04 | SS-05 | SS-05 | SS-05 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | _ | _ | _ | _ | _ | _ | _ |
| Sample Type | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ | _ | _ | _ | _ |
| Sample Date | mm/dd/yy | _ | 08/02/13 | 11/18/13 | 08/02/13 | 08/02/13 | 11/18/13 | 10/08/13 | 10/08/13 | 10/21/13 | 11/18/13 | 10/08/13 | 10/21/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | _ | _ | Pre | Post | Pre | Pre | Post | Pre | Pre | During | Post | Pre | During | Post |
| Acetone | μg/m3 | 2,800,000 | 27 | <110 | <350 | 21 | 12 | 17 | 11 | <18 | 20 | <96 | <420 | 18 |
| Acrolein | $\mu g/m3$ | none | <8.2 | <110 | <330 | <8.5 | <8.4 | <7.8 | < 7.9 | <17 | <8.1 | <92 | <410 | <7.9 |
| Benzene | $\mu g/m3$ | 8.4 | 6.5 | <37 | 340 | 5.3 | < 2.9 | <2.7 | <2.7 | < 5.9 | <2.8 | <32 | <140 | < 2.8 |
| Benzyl chloride (alpha chlorotoluene) | $\mu g/m3$ | none | <4.6 | <59 | <190 | <4.8 | <4.7 | <4.4 | <4.5 | < 9.6 | <4.6 | <52 | <230 | <4.5 |
| Bromodichloromethane | $\mu g/m3$ | 6.6 | < 6.0 | <77 | <240 | <6.2 | <6.1 | 16 | 16 | 22 | < 5.9 | <68 | < 300 | < 5.8 |
| Bromoform | $\mu g/m3$ | 220 | <9.2 | <120 | <380 | <9.6 | <9.5 | <8.8 | <8.9 | <19 | <9.1 | <100 | <460 | <8.9 |
| Bromomethane (methyl bromide) | $\mu g/m3$ | 440 | <3.5 | <44 | <140 | <3.6 | < 3.6 | <3.3 | <3.3 | <7.2 | <3.4 | <39 | <170 | <3.4 |
| 1,3-Butadiene | $\mu g/m3$ | none | <2.0 | <25 | 260 | <2.1 | <2.0 | <1.9 | <1.9 | <4.1 | < 2.0 | <22 | <98 | <1.9 |
| 2-Butanone (methyl ethyl ketone) | $\mu g/m3$ | 440,000 | 3.9 | <34 | <110 | <2.7 | < 2.7 | <2.5 | < 2.5 | <5.5 | 5.2 | <30 | <130 | < 2.6 |
| Carbon disulfide | $\mu g/m3$ | none | <2.8 | <36 | <110 | <2.9 | <17 | <2.7 | <2.7 | < 5.8 | <17 | <31 | <140 | <16 |
| Carbon tetrachloride | $\mu g/m3$ | 5.8 | < 5.6 | <72 | <230 | <5.9 | < 5.8 | <5.4 | < 5.4 | <12 | < 5.6 | <63 | <280 | < 5.4 |
| Chlorobenzene | $\mu g/m3$ | 88,000 | <4.1 | <53 | <170 | <4.3 | <4.2 | <3.9 | <4.0 | <8.5 | <4.1 | <46 | < 200 | <4.0 |
| $Chlorodibromomethane\ (dibromochloromethane)$ | $\mu g/m3$ | none | <7.6 | <98 | <310 | <7.9 | <7.8 | 20 | 20 | 16 | <7.5 | <86 | <380 | <7.4 |
| Chloroethane (ethyl chloride) | $\mu g/m3$ | 2,600,000 | <2.3 | <30 | <96 | <2.5 | <2.4 | <2.3 | <2.3 | <4.9 | <2.3 | <27 | <120 | <2.3 |
| Chloroform | $\mu g/m3$ | 46 | <4.3 | < 56 | <180 | <4.5 | <4.5 | 67 | 69 | 15 | 24 | <49 | <220 | <4.2 |
| Chloromethane (methyl chloride) | $\mu g/m3$ | 7,800 | <1.8 | <24 | <75 | <1.9 | <1.9 | <1.8 | <1.8 | <3.8 | <1.8 | <21 | <91 | <1.8 |
| Cyclohexane | $\mu g/m3$ | none | <3.1 | <39 | <130 | <3.2 | <3.1 | <2.9 | < 3.0 | < 6.4 | < 3.0 | <35 | <150 | < 3.0 |
| 1,2-Dibromoethane (ethylene dibromide) | $\mu g/m3$ | 3.4 | < 6.8 | <88 | <280 | <7.1 | <7.0 | <6.6 | < 6.6 | <14 | <6.8 | <77 | <340 | <6.6 |
| 1,2-Dichlorobenzene | $\mu g/m3$ | 18,000 | < 5.4 | <69 | <220 | <5.6 | < 5.5 | <5.1 | < 5.2 | <11 | < 5.3 | <61 | <270 | < 5.2 |
| 1,3-Dichlorobenzene | $\mu g/m3$ | none | < 5.4 | <69 | <220 | <5.6 | < 5.5 | <5.1 | < 5.2 | <11 | < 5.3 | <61 | <270 | < 5.2 |
| 1,4-Dichlorobenzene | $\mu g/m3$ | 22 | < 5.4 | <69 | <220 | <5.6 | < 5.5 | <5.1 | < 5.2 | <11 | <5.3 | <61 | <270 | < 5.2 |
| Dichlorodifluoromethane (Freon 12) | $\mu g/m3$ | none | <4.4 | <57 | <180 | <4.6 | <4.5 | <4.2 | <4.3 | <9.1 | <4.4 | < 50 | <220 | <4.3 |
| 1,1-Dichloroethane (1,1-DCA) | $\mu g/m3$ | 150 | <3.6 | <46 | <150 | <3.8 | < 3.7 | <3.5 | <3.5 | <7.5 | < 3.6 | <41 | <180 | <3.5 |
| 1,2-Dichloroethane (1,2-DCA) | $\mu g/m3$ | 12 | <3.6 | <46 | <150 | <3.8 | <3.7 | <3.5 | <3.5 | <7.5 | <3.6 | <41 | <180 | <3.5 |
| 1,1-Dichloroethene (1,1-DCE) | $\mu g/m3$ | 18,000 | <3.5 | <45 | <140 | <3.7 | <3.6 | <3.4 | <3.4 | <7.3 | <3.5 | <40 | <180 | <3.4 |
| cis-1,2-Dichloroethene (cis-1,2-DCE) | $\mu g/m3$ | none | <3.5 | <45 | <140 | <3.7 | <3.6 | <3.4 | <3.4 | <7.3 | <3.5 | <40 | <180 | <3.4 |
| trans-1,2-Dichloroethene (trans-1,2-DCE) | $\mu g/m3$ | 5,200 | <3.5 | <45 | <140 | <3.7 | <3.6 | <3.4 | <3.4 | <7.3 | <3.5 | <40 | <180 | <3.4 |
| 1,2-Dichloropropane | μg/m3 | 24 | <4.1 | <53 | <170 | <4.3 | <4.2 | <4.0 | <4.0 | <8.5 | <4.1 | <47 | <200 | <4.0 |
| cis-1,3-Dichloropropene | μg/m3 | none | <4.0 | <52 | <170 | <4.2 | <4.2 | <3.9 | <3.9 | <8.4 | <4.0 | <46 | <200 | < 3.9 |
| trans-1,3-Dichloropropene | μg/m3 | none | <4.0 | <52 | <170 | <4.2 | <4.2 | <3.9 | <3.9 | <8.4 | <4.0 | <46 | < 200 | < 3.9 |

Page 1 of 3 IRIS ENVIRONMENTAL

Table 3. Summary of Sub-slab Soil Vapor Analytical Results

| Parameter | Units | ESL | | | | | | Sar | mples | | | | | |
|--|------------|---------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|------------|
| Sample ID | | | SS-01 | SS-01 | SS-02 | SS-03 | SS-03 | SS-04 | SS-04 | SS-04 | SS-04 | SS-05 | SS-05 | SS-05 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | _ | - | _ | _ | _ | _ | _ |
| Sample Type | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ | _ | _ | _ | _ |
| Sample Date | mm/dd/yy | _ | 08/02/13 | 11/18/13 | 08/02/13 | 08/02/13 | 11/18/13 | 10/08/13 | 10/08/13 | 10/21/13 | 11/18/13 | 10/08/13 | 10/21/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | _ | _ | Pre | Post | Pre | Pre | Post | Pre | Pre | During | Post | Pre | During | Post |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114) | μg/m3 | none | <6.2 | <80 | <250 | <6.5 | <6.4 | <6.0 | <6.0 | <13 | <6.2 | <70 | <310 | <6.0 |
| Ethyl acetate | $\mu g/m3$ | none | <3.2 | <41 | <130 | <3.4 | <3.3 | <3.1 | <3.1 | < 6.7 | <3.2 | <36 | <160 | <3.1 |
| Ethylbenzene | $\mu g/m3$ | 98 | < 3.9 | < 50 | <160 | <4.0 | <4.0 | <3.7 | <3.7 | <8.0 | <3.8 | <44 | <190 | <3.8 |
| 4-Ethyltoluene | $\mu g/m3$ | none | <4.4 | < 56 | <180 | <4.6 | <4.5 | <4.2 | <4.2 | <9.1 | <4.4 | <50 | <220 | <4.3 |
| Heptane | $\mu g/m3$ | none | < 3.6 | <47 | <150 | <3.8 | <3.7 | <3.5 | <3.5 | < 7.6 | < 3.6 | <41 | <180 | <3.5 |
| Hexachlorobutadiene | $\mu g/m3$ | none | <9.5 | <120 | <390 | <9.9 | <9.8 | <9.1 | <9.2 | <20 | <9.4 | <110 | <470 | <9.2 |
| Hexane | $\mu g/m3$ | none | <3.1 | <40 | <130 | <3.3 | < 3.2 | <3.0 | <3.0 | <6.5 | <3.1 | <36 | <160 | <3.0 |
| 2-Hexanone (methyl butyl ketone) | $\mu g/m3$ | none | <3.6 | <47 | <150 | <3.8 | <3.7 | <3.5 | <3.5 | < 7.6 | < 3.6 | <41 | <180 | <3.5 |
| Methyl tert-butyl ether (MTBE) | $\mu g/m3$ | 940 | <3.2 | <41 | <130 | <3.4 | <3.3 | <3.1 | <3.1 | < 6.7 | < 3.2 | <36 | <160 | <3.1 |
| Methylene chloride | $\mu g/m3$ | 520 | <3.1 | <40 | <130 | <3.2 | < 3.2 | 10 | 10 | < 6.4 | <3.1 | <35 | <150 | <3.0 |
| 4-Methyl-2-pentanone (methyl isobutyl ketone) | $\mu g/m3$ | 260,000 | < 3.6 | <47 | <150 | <3.8 | <3.7 | <3.5 | <3.5 | < 7.6 | < 3.6 | <41 | <180 | <3.5 |
| Naphthalene | $\mu g/m3$ | 7.2 | <19 | <240 | <760 | <20 | <19 | <18 | <18 | <39 | <19 | <210 | <930 | <18 |
| Styrene | $\mu g/m3$ | 78,000 | <3.8 | <49 | <160 | <4.0 | < 3.9 | <3.6 | <3.7 | < 7.9 | <3.8 | <43 | <190 | <3.7 |
| 1,1,2,2-Tetrachloroethane | $\mu g/m3$ | 4.2 | <6.1 | <79 | <250 | <6.4 | <6.3 | <5.9 | < 5.9 | <13 | <6.1 | <69 | < 300 | < 5.9 |
| Tetrachloroethene (PCE) | $\mu g/m3$ | 42 | 8.6 | 10,000 | 24,000 | 17 | 420 | 140 | 140 | 1,400 | 490 | 8,200 | 39,000 | 790 |
| Tetrahydrofuran | $\mu g/m3$ | none | < 2.6 | <34 | <110 | <2.7 | <2.7 | <2.5 | <2.5 | <5.5 | <2.6 | <30 | <130 | 16 |
| Toluene | $\mu g/m3$ | 26,000 | 4.6 | <43 | <140 | <3.5 | <3.4 | <3.2 | <3.2 | <7.0 | <3.3 | <38 | <170 | <3.3 |
| 1,2,4-Trichlorobenzene | $\mu g/m3$ | 360 | < 6.6 | <85 | <270 | <6.9 | <6.8 | <6.3 | <6.4 | <14 | < 6.6 | <75 | <330 | < 6.4 |
| 1,1,1-Trichloroethane (1,1,1-TCA) | $\mu g/m3$ | 440,000 | <4.9 | <63 | <200 | <5.1 | < 5.0 | <4.7 | <4.7 | <10 | <4.8 | <55 | <240 | <4.7 |
| 1,1,2-Trichloroethane (1,1,2-TCA) | $\mu g/m3$ | 15 | <4.9 | <63 | <200 | <5.1 | < 5.0 | <4.7 | <4.7 | <10 | <4.8 | <55 | <240 | <4.7 |
| Trichloroethene (TCE) | $\mu g/m3$ | 60 | <4.8 | <62 | <200 | <5.0 | <4.9 | 8.7 | 13 | 33 | <4.8 | <54 | <240 | <4.6 |
| Trichlorofluoromethane (Freon 11) | $\mu g/m3$ | none | < 5.0 | <64 | <200 | <5.2 | < 5.1 | <4.8 | <4.8 | <10 | < 5.0 | <57 | <250 | <4.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | $\mu g/m3$ | none | < 6.8 | <88 | <280 | <7.1 | <7.0 | <6.6 | <6.6 | <14 | < 6.8 | <77 | <340 | < 6.6 |
| 1,2,4-Trimethylbenzene | $\mu g/m3$ | none | <4.4 | < 56 | <180 | <4.6 | <4.5 | <4.2 | <4.2 | < 9.1 | <4.4 | <50 | <220 | <4.3 |
| 1,3,5-Trimethylbenzene | $\mu g/m3$ | none | <4.4 | < 56 | <180 | <4.6 | <4.5 | <4.2 | <4.2 | <9.1 | <4.4 | <50 | <220 | <4.3 |
| Vinyl acetate | $\mu g/m3$ | none | <3.1 | <40 | <130 | <3.3 | < 3.2 | <3.0 | <3.0 | < 6.5 | <3.1 | <35 | <160 | <3.0 |
| Vinyl chloride | $\mu g/m3$ | 3.2 | <2.3 | <29 | <93 | <2.4 | <2.3 | <2.2 | <2.2 | <4.7 | <2.3 | <26 | <110 | <2.2 |
| m-,p-Xylene | $\mu g/m3$ | 8,800 | <3.9 | < 50 | <160 | <4.0 | <4.0 | <3.7 | <3.7 | <8.0 | <3.8 | <44 | <190 | <3.8 |
| o-Xylene | $\mu g/m3$ | 8,800 | <3.9 | < 50 | <160 | <4.0 | <4.0 | <3.7 | <3.7 | <8.0 | <3.8 | <44 | <190 | <3.8 |

Page 2 of 3 IRIS ENVIRONMENTAL

Table 3. Summary of Sub-slab Soil Vapor Analytical Results

| Parameter | Units | ESL | | | | | | San | nples | | | | | |
|---------------------------------------|----------|-----|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|
| Sample ID | _ | _ | SS-01 | SS-01 | SS-02 | SS-03 | SS-03 | SS-04 | SS-04 | SS-04 | SS-04 | SS-05 | SS-05 | SS-05 |
| Boring ID | _ | _ | IE-08 | IE-08 | IE-29 | IE-11 | IE-11 | _ | _ | _ | - | _ | _ | _ |
| Sample Type | _ | _ | _ | _ | _ | _ | _ | Primary | Duplicate | _ | - | _ | _ | _ |
| Sample Date | mm/dd/yy | _ | 08/02/13 | 11/18/13 | 08/02/13 | 08/02/13 | 11/18/13 | 10/08/13 | 10/08/13 | 10/21/13 | 11/18/13 | 10/08/13 | 10/21/13 | 11/18/13 |
| Occurrence Within Excavation Timeline | _ | _ | Pre | Post | Pre | Pre | Post | Pre | Pre | During | Post | Pre | During | Post |

Notes:

- (1) Results are presented in micrograms per cubic meter (µg/m3).
- (2) Detections are shown in **bold font**.
- (3) Highlighted results indicate an exceedance over the screening level.
- (4) Sample results from location SS-02 are presented in gray font to indicate that the location was removed during excavation.
- (5) Sub-slab sampling results are compared to published Environmental Screening Levels (ESLs) for ambient and indoor air under a commercial/industrial sccenario (Cal/EPA, May 2013). The screening levels presented are divided by an attenuation factor of 0.05 for existing commercial buildings with samples collected sub-slab, as per the Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrustion to Indoor Air (DTSC, October 2011).
- (6) Elevated reporting limits were observed above the ESL in some samples due to significant concentrations of PCE in the analyzed sample; these samples required dilution to evaluate the concentration of PCE, which resulted in subsequent elevated reporting limits for other analyzed compounds.

Definitions:

μg/m3 micrograms per cubic meter

Page 3 of 3 IRIS ENVIRONMENTAL

Figures

I:\CAD\13\13-945-C\site location.dwa. 11/22/2013 8:35:46

EXPLANATION:

Approximate Site boundary

Previous soil sample location (Basics Environmental, 2012)

SG1 △

Previous soil gas sample location (Basics Environmental, 2012)

Previous grab-groundwater sample location (Basics Environmental, 2012)



Previous soil sample location (Iris Environmental, 2013)



Soil vapor sample location (5.5 to 6.0 feet)



Subslab soil vapor sample location



(6 to 9 inches)

Grab-groundwater sample location



Soil vapor and subslab soil vapor sample location

Former soil vapor and subslab soil vapor sample location



Location of sanitary sewer line (approximate depth of sanitary sewer line noted)



Presumed groundwater flow direction

Former Dry Cleaning Machines



Approximate location of former PCE dry cleaning machine based on Appendix E of the Phase I report (Basics Environmental, 2012)



Approximate location of former petroleum-based dry cleaning machine



Approximate location of former PCE-based dry cleaning machine



(APPROXIMATE)

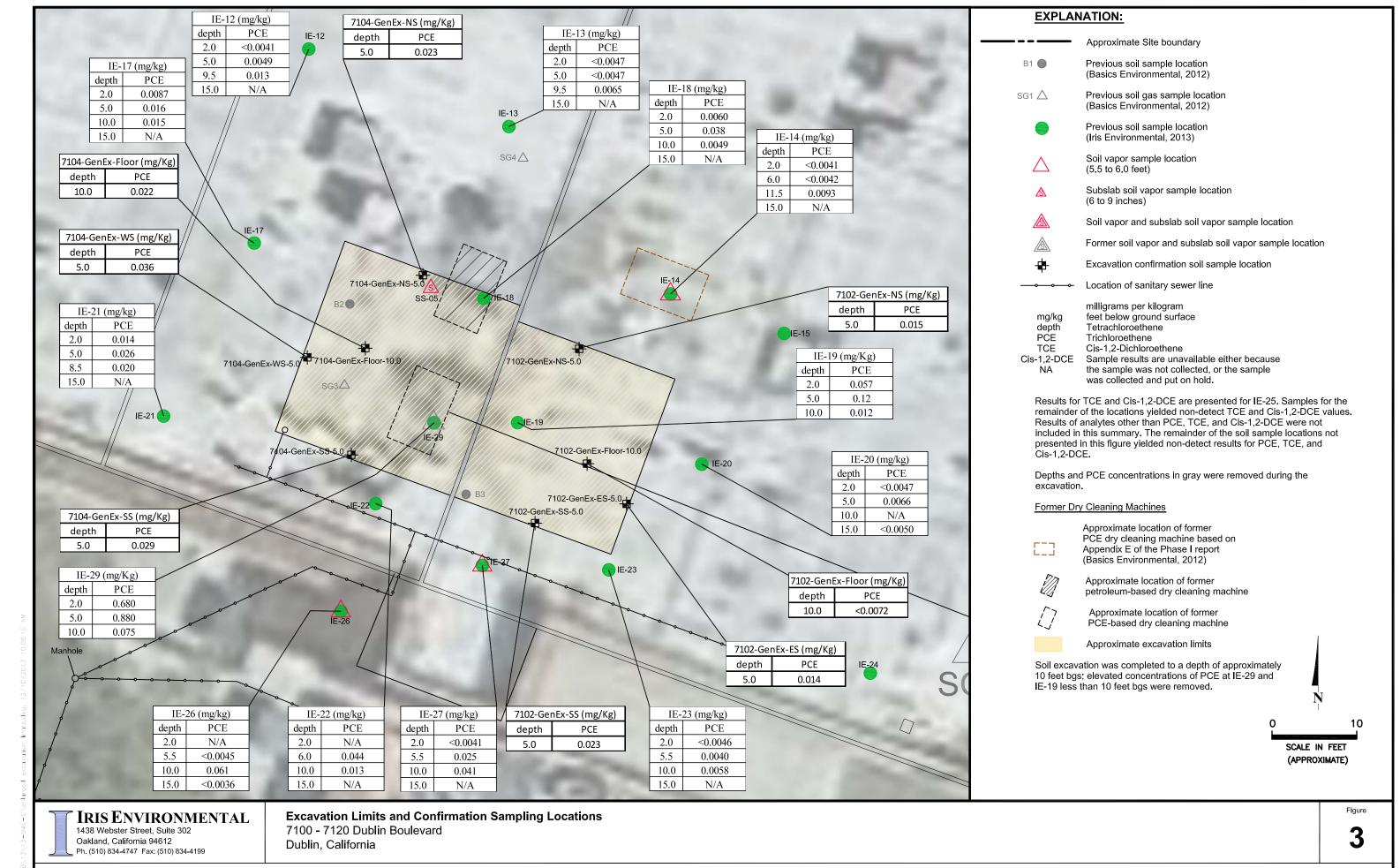
IRIS ENVIRONMENTAL
1438 Webster Street, Suite 302
Oakland, California 94612

Ph. (510) 834-4747 Fax: (510) 834-4199

Site Plan with Soil Boring and Soil Vapor Sampling Locations 7100 - 7120 Dublin Boulevard

Dublin, California

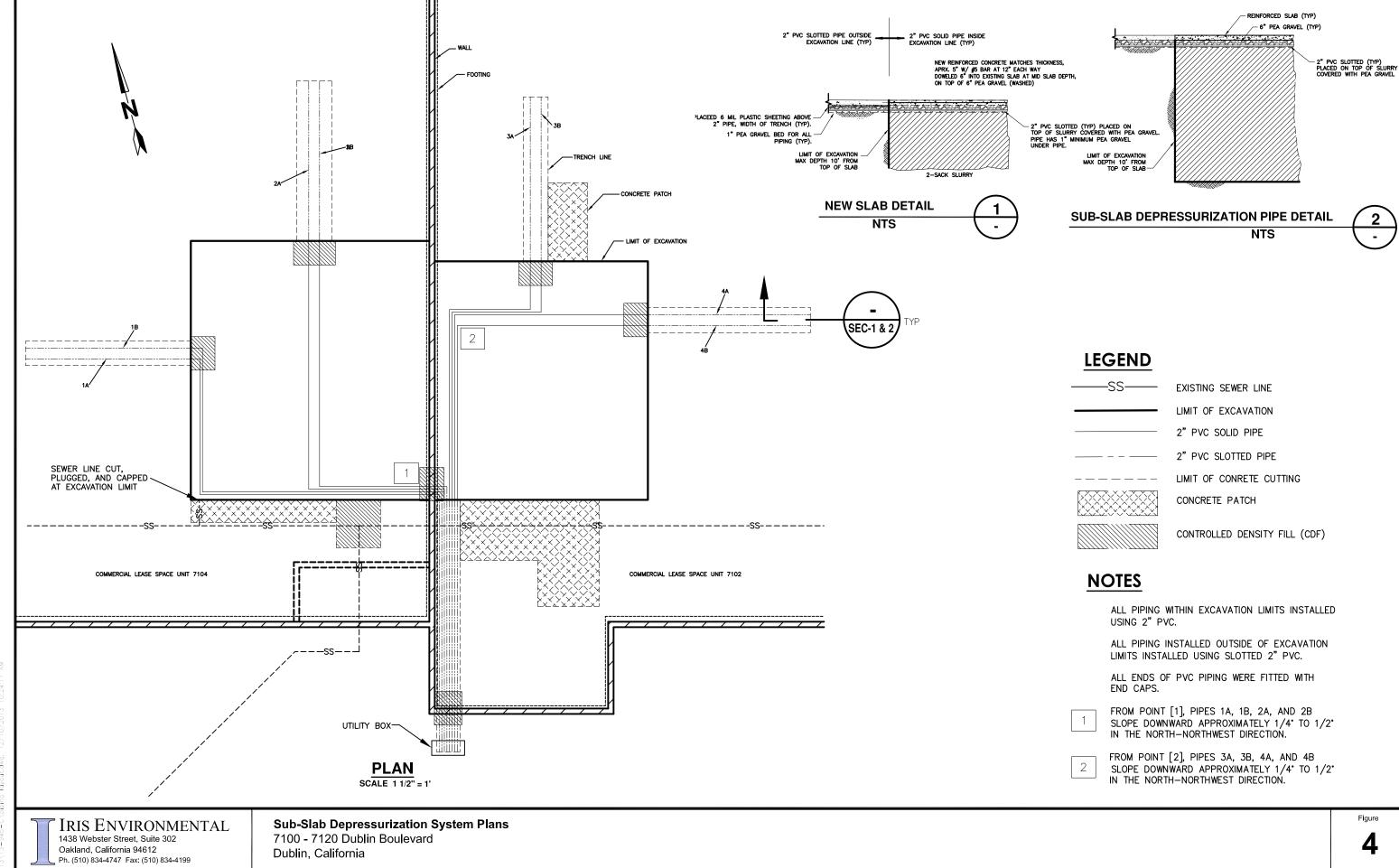
Drafter: EC Date: 12/09/13



Drafter: EC

Date: 12/09/13

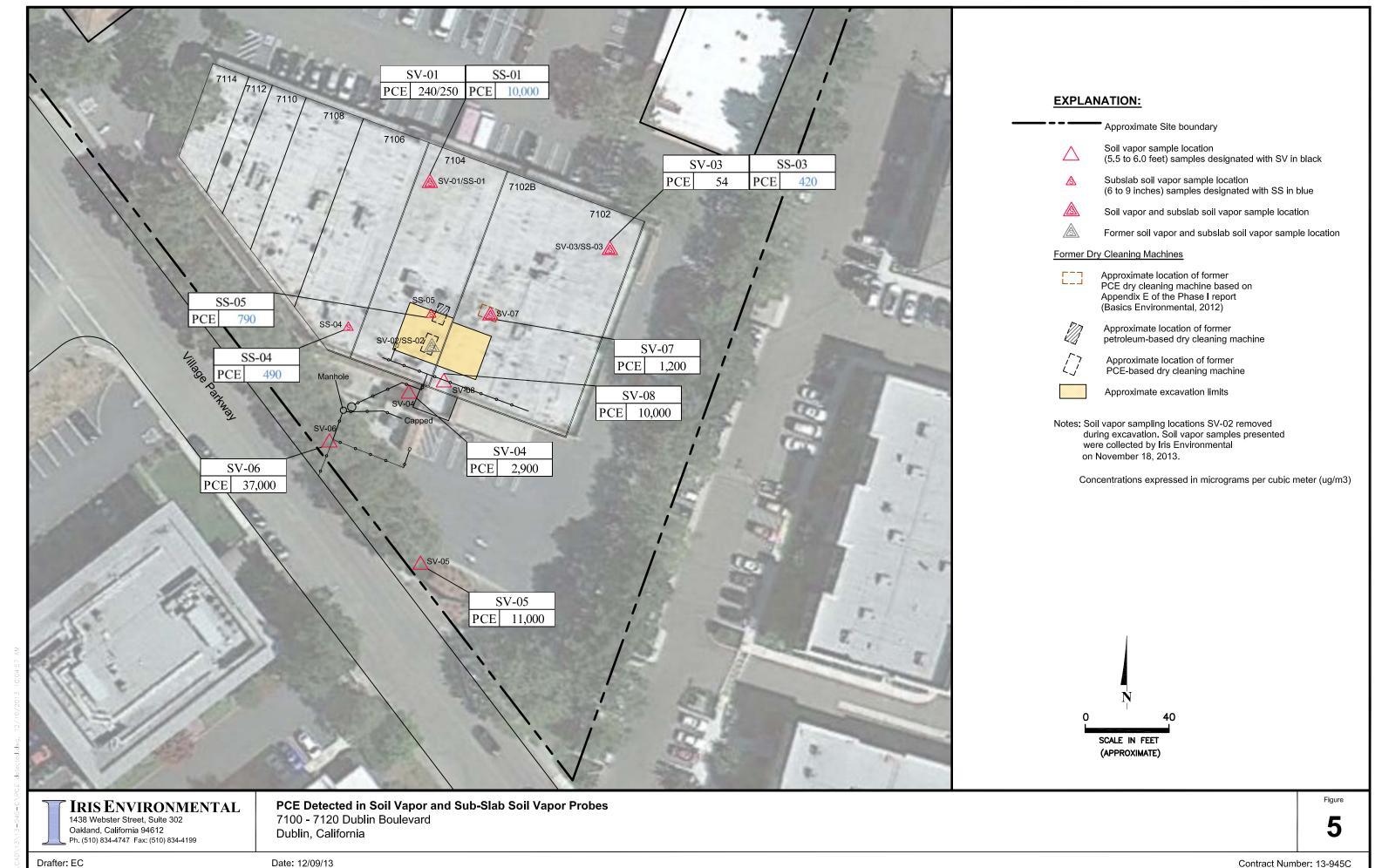
Contract Number: 13-945C



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Date: 12/09/13

Contract Number: 13-945C



Contract Number: 13-945C

Appendix A City of Dublin Excavation Permit



City of Dublin
Building and Safety Division
100 Civic Plaza, Dublin, CA 94568
(925) 833-6620
www.ci.dublin.ca.us

INSPECTION RECORD

Permit Number: BLDG-2013-01884 Commercial Alteration / Tenant Improvement

Permit Type: Issue Date: 10/07/2013 Date Printed: 10/07/2013

FOR NEXT BUSINESS DAY INSPECTION CALL BY 4:00 PM, M-F

POST THIS CARD AT OR NEAR FRONT OF BUILDING

| Building | 7102 DUBLI | N BLVD | | | Building | Date | Insp. Status | | | |
|--|-------------------------------|--------------|-----------------|---|--------------------------------------|------|--------------|--|--|--|
| Address | | | | | UNDERGROUND PLUMBING | | | | | |
| Owner Name | | LY PARTNERS | | | UNDER GROUND ELECTRICAL | | | | | |
| and Address | & ETA 43763 MACAI | RTHUR RD | Fax: | | FOUNDATION / PIERS / SLAB | | | | | |
| Contractor | | | ON Phone: (71 | 4) 893-6366 | FIRE SPRINKLERS - FIRE PREVENTIC | | | | | |
| Name and | SOLUTIONS | | Fax: | ., | ROUGH PLUMBING | | | | | |
| Address | 4011 W CHAN | NDLER AVE | | | ROUGH MECHANICAL | | | | | |
| State Lic. & Classif. | 764815 City Lic. #: BL-108354 | | | -108354 | ROUGH ELECTRICAL | | | | | |
| | | | | | ROUGH FRAME | | | | | |
| Proposed Co | | | | | WALL INSULATION | | | | | |
| Excavation of 7102-7104 | contaminated s | soil | | | DRYWALL 1ST LAYER | | | | | |
| | | | | | GAS TEST | | | | | |
| | | | | | CEILING OR ROOF INSULATION | | | | | |
| | | | | | ABOVE CEILING PLUMBING | | | | | |
| | | | | | ABOVE CEILING ELECTRICAL | | | | | |
| | | | | | ABOVE CEILING MECHANICAL | | | | | |
| Tract | Lot | Liv. Sq. Ft. | Garage Sq. Ft. | Plan | ABOVE CEILING FRAMING | | | | | |
| Tract | Lot | | Garage oq. 1 t. | T Idil | T-BAR GRID | | | | | |
| | 1 | 0 | | | ELECTRICAL METER RELEASE | | | | | |
| | | | | | ENERGY REPORTS | | | | | |
| | | | | | GREEN BUILDING DOCUMENTATION | DN | | | | |
| | | | | | FINAL DSRSD 925-828-0515 | | | | | |
| | | | | | FINAL PUBLIC WORKS 925-833-663 | 30 | | | | |
| | | | | | FINAL PLANNING 925-833-6610 | | | | | |
| | | | | | FINAL FIRE 925-833-6606 | | | | | |
| | 11.1 | | | | FINAL PLUMBING | | | | | |
| | | | | | FINAL FLECTRICAL | | | | | |
| | | | | | FINAL BUILDING | | | | | |
| | | | | | FINAL BUILDING | | | | | |
| | | | | | GAS METER RELEASE OCCUPANCY GRANTED | | | | | |
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Appendix B Certified Laboratory Analytical Reports





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250020 ANALYTICAL REPORT

Iris Environmental 1438 Webster Street

1438 Webster Street Oakland, CA 94612

Project : 13-945C

Location : Park Avenue Cleaners

Level : II

Sample ID 7102-GENEX-SS-5.0 <u>Lab ID</u> 250020-001

Date: <u>10/21/2013</u>

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

NELAP # 01107CA



CASE NARRATIVE

Laboratory number: 250020

Client: Iris Environmental

Project: 13-945C

Location: Park Avenue Cleaners

Request Date: 10/18/13 Samples Received: 10/18/13

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 10/18/13. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

| IRIS ENVIRONMENTA | L CHAIN | I-OF-(| CUSTO | ODY | | Date | 10/ | 8 1 | 13 | • | Page | ə: \ | of | | Νº | 01 | 036 | 46 |
|--|---|------------|--------------|----------------------|--|-------------|--------------|----------------------|-------|-----------|------------------|-------------|--------|------|----|-----|-----|----------------------|
| 1438 Webster Street, Suite 302 | | | | | | | | | | Ana | alyses | Req | uired | | | | | |
| Oakland, California 94612 (510) 834-4747 tel (510) 834-4199 fax | | | | | Sance | ust | | | | | | | | | | | | ntainers |
| Sampler Name(s): | Signature(s): | | | | VOC's by | Orithe RUSH | | | | | | | | | | | | Number of Containers |
| Sample ID | Date | Time | Matrix | + | 1 | | | | | | | | | | | | | |
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| PROJECT INFORMATION | | <u>L</u> | | | BEI | 1000 | אינים אינים | | | | | | | | | | | <u> </u> |
| | 1:05 | | | | RELINQUISHED BY: Printed Name. Printed Name. | | | | | | | | | | | | | |
| Project Number: 13-945C | (14) | | | | | TH | fany | K | litek | 2 | | , ''' | 100 | e21_ | 3, | Δ,, | ri | |
| Contact Person: Tiffy null Klinke C | 100 100 100 | | | | Signature | | | | | Signature | | | | | | | | |
| E-mail: +1fz.v. wives weeken dva | Wasa Pericin | 10 | | | Company | | | | | Company | | | | | | | | |
| Contact Person: Tiffany Klitzke, C E-mail: Tiffany Divisavcan, Cra Contact Telephone: 510 834 4747 | y & 1410-014.CO. | <i>/</i> 1 | | | Company TKTS ENV. | | | | | | Curtis a Templea | | | | | | | |
| Report: Routine (evel 2) Level 3 Level 4 | Report: Routine (Level 2) Level 3 Level 4 EDD | | | Time/Date / 16/18/13 | | | | Time/Date / 16/18/17 | | | | | | | | | | |
| TAT: 10-day 5-day 72-hr 48-hr .24-hr Other: | | | | | SHED BY: | | | | | _ | CEIVED | | | 110 | | | | |
| Special Instructions/Comments: | | | Printed Name | | | | Printed Name | | | | | | | | | | | |
| * Presurvatives include Medt, DZ waster, have | | | Signature | | | | Signature | | | | | | | | | | | |
| 40 ml VDA 202 31855 | | | Company | | | | Company | | | | | | | | | | | |
| | cdd & | 1 / |) al | | Time | /Date | | | | | | Time | e/Date | | | | | |

COOLER RECEIPT CHECKLIST



| Login # 25\$\$\phi \text{Q} \text{Date Received 10/13/13 Number of coolers} |
|--|
| Login # 25000 Date Received 10/18/13 Number of coolers Client TRIC Project FARK AVENUE CLEANERS (13) |
| Date Opened 10/18/13 By (print) TR (sign) Truck Rankan Date Logged in By (print) (sign) |
| 1. Did cooler come with a shipping slip (airbill, etc)YES NO Shipping info |
| 2A. Were custody seals present? TYES (circle) on cooler on samples NO How many Name Date 2B. Were custody seals intact upon arrival? YES NO N/A 3. Were custody papers dry and intact when received? YES NO 4. Were custody papers filled out properly (ink, signed, etc)? |
| 5. Is the project identifiable from custody papers? (If so fill out top of form) |
| □ Bubble Wrap □ Foam blocks □ Bags □ None □ Cloth material □ Cardboard □ Styrofoam □ Paper towels 7. Temperature documentation: * Notify PM if temperature exceeds 6°C |
| Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None Temp(°C) |
| Samples Received on ice & cold without a temperature blank; temp. taken with IR gun- |
| ☐ Samples received on ice directly from the field. Cooling process had begun |
| 8. Were Method 5035 sampling containers present? |
| If YES, what time were they transferred to freezer? 9. Did all bottles arrive unbroken/unopened? 10. Are there any missing / extra samples? 11. Are samples in the appropriate containers for indicated tests? 12. Are sample labels present, in good condition and complete? 13. Do the sample labels agree with custody papers? 14. Was sufficient amount of sample sent for tests requested? 15. Are the samples appropriately preserved? 16. Did you check preservatives for all bottles for each sample? 17. Did you document your preservative check? 18. Did you change the hold time in LIMS for unpreserved VOAs? 19. Did you change the hold time in LIMS for preserved terracores? 10. Are bubbles > 6mm absent in VOA samples? 11. Are the sample appropriately preserved? 12. Was the client contacted concerning this sample delivery? 13. Did you change the contacted concerning this sample delivery? 14. Was the client contacted concerning this sample delivery? 15. NO N/A 16. Did you change the hold time in LIMS for preserved VOAs? 17. Did you change the hold time in LIMS for preserved terracores? 18. NO N/A 19. Did you change the hold time in LIMS for preserved terracores? 19. NO N/A 20. Are bubbles > 6mm absent in VOA samples? 21. Was the client contacted concerning this sample delivery? 22. YES NO N/A 23. Date: COMMENTS |
| If YES, what time were they transferred to freezer? 9. Did all bottles arrive unbroken/unopened? 10. Are there any missing / extra samples? 11. Are samples in the appropriate containers for indicated tests? 12. Are sample labels present, in good condition and complete? 13. Do the sample labels agree with custody papers? 14. Was sufficient amount of sample sent for tests requested? 15. Are the samples appropriately preserved? 16. Did you check preservatives for all bottles for each sample? 17. Did you document your preservative check? 18. Did you change the hold time in LIMS for unpreserved VOAs? 19. Did you change the hold time in LIMS for preserved terracores? 17. Did you change the hold time in LIMS for preserved terracores? 18. NO N/A 19. Did you change the hold time in LIMS for preserved terracores? 19. NO N/A 20. Are bubbles > 6mm absent in VOA samples? 21. Was the client contacted concerning this sample delivery? 22. If YES, Who was called? 23. Date: COMMENTS |



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7102-GENEX-SS-5.0 | Diln Fac: | 0.9042 | | | |
| Lab ID: | 250020-001 | Batch#: | 204228 | | | |
| Matrix: | Soil | Sampled: | 10/18/13 | | | |
| Units: | ug/Kg | Received: | 10/18/13 | | | |
| Basis: | as received | Analyzed: | 10/20/13 | | | |

| Preon 12 | Analyte | Result | RL | |
|--|-------------------|--------|-----|--|
| Chloromethane | | | | |
| Vinyl Chloride ND 9.0 Bromomethane ND 9.0 Chloresthane ND 9.0 Trichlorofluoromethane ND 4.5 Acetone ND 18 Freon 113 ND 4.5 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 4.5 Carbon Disulfide ND 4.5 MTBE ND 4.5 Trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 Vinyl Ace | | | | |
| Bromomethane ND 9.0 Chlorocthane ND 9.0 Trichlorofluoromethane ND 4.5 Acetone ND 18 Freon 113 ND 4.5 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 4.5 Methylene Chloride ND 4.5 MTBE ND 4.5 Carbon Disulfide ND 4.5 WTMTB ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate | | | | |
| Chloroethane ND 9.0 Trichlorofluoromethane ND 4.5 Acetone ND 18 Freon 113 ND 4.5 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 18 Carbon Disulfide ND 4.5 MTBE ND 4.5 Trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 4.5 2-Butanone ND 4.5 2,2-Dichloroethane ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 1,2-Dichloropropane ND 4.5 Benzene ND 4.5 <tr< td=""><td>_</td><td></td><td></td><td></td></tr<> | _ | | | |
| Trichlorofluoromethane ND 4.5 Acetone ND 18 Freon 113 ND 4.5 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 4.5 Carbon Disulfide ND 4.5 MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 4.5 2-Butanone ND 4.5 2-J-Dichloroethane ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethane ND 4.5 Promodichloromethane ND 4.5 <td></td> <td></td> <td></td> <td></td> | | | | |
| Acetone ND 18 Freon 113 ND 4.5 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 18 Carbon Disulfide ND 4.5 MTBE ND 4.5 MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 4.5 2-Butanone ND 4.5 2,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Trichloroethane ND 4.5 2-Dichloropopane ND 4.5 Benzene ND 4.5 Trichloroethane ND 4.5 Bromodichloromethane ND 4.5 < | | | | |
| Freon 113 | | | | |
| 1,1-Dichloroethene ND 4.5 Methylene Chloride ND 18 Carbon Disulfide ND 4.5 MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Chloroform ND 4.5 Promochloromethane ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Trichloropropene ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 Dibromomethane ND 4.5 | | | | |
| Methylene Chloride ND 4.5 Carbon Disulfide ND 4.5 MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 4.5 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloropropane ND 4.5 Trichloropropane ND 4.5 Polithoropropane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 4.5 Total Control ND | | | | |
| Carbon Disulfide ND 4.5 MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 I,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 4.5 Toluene ND 4.5 Toluene ND 4.5 <td></td> <td></td> <td></td> <td></td> | | | | |
| MTBE ND 4.5 trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 4.5 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 1,2-Dichloroethane ND 4.5 Renzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Bromodichloromethane ND 4.5 4-Methyl-2-Pentanone ND 4.5 Toluene ND 4.5 Toluene ND 4.5 Trichloroethane ND 4.5 </td <td><u> </u></td> <td></td> <td></td> <td></td> | <u> </u> | | | |
| trans-1,2-Dichloroethene ND 4.5 Vinyl Acetate ND 45 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 1,2-Dichloroethane ND 4.5 1,2-Dichloropropane ND 4.5 1,2-Dichloropropane ND 4.5 Promodichloromethane ND 4.5 1,2-Dichloropropane ND 4.5 Promodichloromethane ND 4.5 1-Methyl-2-Pentanone ND 4.5 Toluene ND 4.5 Toluene ND 4.5 Trans-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 Trans-1,2-Trichloroethane ND | | | | |
| Vinyl Acetate ND 45 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 1,2-Dichloroethane ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 4-Methyl-2-Pentanone ND 4.5 0is-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2,2-Hexanon | | | | |
| 1,1-Dichloroethane ND 4.5 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Promodichloromethane ND 4.5 Promodichloromethane ND 4.5 Poibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4. | | | | |
| 2-Butanone ND 9.0 cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 1,2-Dichloroethane ND 4.5 Eenzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 4.5 Toluene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 Trichloroethane ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 T-Hexanone ND 4.5 2-Hexanone ND 4.5 1,3-Dichloropropane ND 4.5 | _ | | | |
| cis-1,2-Dichloroethene ND 4.5 2,2-Dichloropropane ND 4.5 Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Promodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 4.5 1,3-Dichloropropane ND 4.5 | | | | |
| 2,2-DichloropropaneND4.5ChloroformND4.5BromochloromethaneND4.51,1,1-TrichloroethaneND4.51,1-DichloropropeneND4.5Carbon TetrachlorideND4.51,2-DichloroethaneND4.5BenzeneND4.5TrichloroetheneND4.51,2-DichloropropaneND4.5BromodichloromethaneND4.5DibromomethaneND4.54-Methyl-2-PentanoneND4.5TolueneND4.5TolueneND4.51,1,2-TrichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND4.51,3-DichloropropaneND4.52-HexanoneND9.01,3-DichloropropaneND9.0 | | | | |
| Chloroform ND 4.5 Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 9.0 | | | | |
| Bromochloromethane ND 4.5 1,1,1-Trichloroethane ND 4.5 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 Trichloropropane ND 4.5 Bromodichloromethane ND 4.5 Bromodichloromethane ND 4.5 Bromodichloromethane ND 4.5 Tiblichloropropane ND 4.5 Tiblichloropropane ND 4.5 Tiblichloropropane ND 4.5 Tiblichloropropene ND 4.5 Tiblichloropropene ND 4.5 Toluene ND 4.5 | | | | |
| 1,1,1-TrichloroethaneND4.51,1-DichloropropeneND4.5Carbon TetrachlorideND4.51,2-DichloroethaneND4.5BenzeneND4.5TrichloroetheneND4.51,2-DichloropropaneND4.5BromodichloromethaneND4.5DibromomethaneND4.54-Methyl-2-PentanoneND9.0cis-1,3-DichloropropeneND4.5TolueneND4.5trans-1,3-DichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND9.01,3-DichloropropaneND4.5 | | | | |
| 1,1-Dichloropropene ND 4.5 Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 Trichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| Carbon Tetrachloride ND 4.5 1,2-Dichloroethane ND 4.5 Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| 1,2-DichloroethaneND4.5BenzeneND4.5TrichloroetheneND4.51,2-DichloropropaneND4.5BromodichloromethaneND4.5DibromomethaneND4.54-Methyl-2-PentanoneND9.0cis-1,3-DichloropropeneND4.5TolueneND4.5trans-1,3-DichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND9.0 | | | | |
| Benzene ND 4.5 Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| Trichloroethene ND 4.5 1,2-Dichloropropane ND 4.5 Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | 1 - 1 | | | |
| 1,2-DichloropropaneND4.5BromodichloromethaneND4.5DibromomethaneND4.54-Methyl-2-PentanoneND9.0cis-1,3-DichloropropeneND4.5TolueneND4.5trans-1,3-DichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND4.5 | | | | |
| Bromodichloromethane ND 4.5 Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| Dibromomethane ND 4.5 4-Methyl-2-Pentanone ND 9.0 cis-1,3-Dichloropropene ND 4.5 Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| 4-Methyl-2-PentanoneND9.0cis-1,3-DichloropropeneND4.5TolueneND4.5trans-1,3-DichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND4.5 | | | | |
| cis-1,3-DichloropropeneND4.5TolueneND4.5trans-1,3-DichloropropeneND4.51,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND4.5 | | | | |
| Toluene ND 4.5 trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | _ | | | |
| trans-1,3-Dichloropropene ND 4.5 1,1,2-Trichloroethane ND 4.5 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| 1,1,2-TrichloroethaneND4.52-HexanoneND9.01,3-DichloropropaneND4.5 | | | | |
| 2-Hexanone ND 9.0 1,3-Dichloropropane ND 4.5 | | | | |
| 1,3-Dichloropropane ND 4.5 | | | | |
| | | | | |
| Tetrachloroethene 23 4 5 | Tetrachloroethene | 23 | 4.5 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7102-GENEX-SS-5.0 | Diln Fac: | 0.9042 | | | |
| Lab ID: | 250020-001 | Batch#: | 204228 | | | |
| Matrix: | Soil | Sampled: | 10/18/13 | | | |
| Units: | ug/Kg | Received: | 10/18/13 | | | |
| Basis: | as received | Analyzed: | 10/20/13 | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.5 | |
| 1,2-Dibromoethane | ND | 4.5 | |
| Chlorobenzene | ND | 4.5 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.5 | |
| Ethylbenzene | ND | 4.5 | |
| m,p-Xylenes | ND | 4.5 | |
| o-Xylene | ND | 4.5 | |
| Styrene | ND | 4.5 | |
| Bromoform | ND | 4.5 | |
| Isopropylbenzene | ND | 4.5 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 | |
| 1,2,3-Trichloropropane | ND | 4.5 | |
| Propylbenzene | ND | 4.5 | |
| Bromobenzene | ND | 4.5 | |
| 1,3,5-Trimethylbenzene | ND | 4.5 | |
| 2-Chlorotoluene | ND | 4.5 | |
| 4-Chlorotoluene | ND | 4.5 | |
| tert-Butylbenzene | ND | 4.5 | |
| 1,2,4-Trimethylbenzene | ND | 4.5 | |
| sec-Butylbenzene | ND | 4.5 | |
| para-Isopropyl Toluene | ND | 4.5 | |
| 1,3-Dichlorobenzene | ND | 4.5 | |
| 1,4-Dichlorobenzene | ND | 4.5 | |
| n-Butylbenzene | ND | 4.5 | |
| 1,2-Dichlorobenzene | ND | 4.5 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.5 | |
| 1,2,4-Trichlorobenzene | ND | 4.5 | |
| Hexachlorobutadiene | ND | 4.5 | |
| Naphthalene | ND | 4.5 | |
| 1,2,3-Trichlorobenzene | ND | 4.5 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 109 | 80-124 | |
| 1,2-Dichloroethane-d4 | 114 | 80-137 | |
| Toluene-d8 | 106 | 80-120 | |
| Bromofluorobenzene | 98 | 79-127 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC712685 | Batch#: | 204228 | | | |
| Matrix: | Soil | Analyzed: | 10/20/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC712685 | Batch#: | 204228 | | | |
| Matrix: | Soil | Analyzed: | 10/20/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 97 | 80-124 | |
| 1,2-Dichloroethane-d4 | 108 | 80-137 | |
| Toluene-d8 | 102 | 80-120 | |
| Bromofluorobenzene | 96 | 79-127 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | | | |
| Matrix: | Soil | Batch#: | 204228 | | | | | | |
| Units: | ug/Kg | Analyzed: | 10/20/13 | | | | | | |
| Diln Fac: | 1.000 | | | | | | | | |

Type: BS Lab ID: QC712686

| Analyte | Spiked | Result | %REC | Limits |
|--------------------|--------|--------|------|--------|
| 1,1-Dichloroethene | 20.00 | 21.29 | 106 | 67-132 |
| Benzene | 20.00 | 24.33 | 122 | 77-126 |
| Trichloroethene | 20.00 | 20.66 | 103 | 76-127 |
| Toluene | 20.00 | 21.97 | 110 | 76-124 |
| Chlorobenzene | 20.00 | 22.87 | 114 | 76-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 97 | 80-124 |
| 1,2-Dichloroethane-d4 | 111 | 80-137 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 90 | 79-127 |

Type: BSD Lab ID: QC712687

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|------|--------|-----|-----|
| 1,1-Dichloroethene | 20.00 | 21.56 | 108 | 67-132 | 1 | 27 |
| Benzene | 20.00 | 23.05 | 115 | 77-126 | 5 | 20 |
| Trichloroethene | 20.00 | 20.71 | 104 | 76-127 | 0 | 22 |
| Toluene | 20.00 | 22.46 | 112 | 76-124 | 2 | 26 |
| Chlorobenzene | 20.00 | 23.27 | 116 | 76-120 | 2 | 21 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 93 | 80-124 |
| 1,2-Dichloroethane-d4 | 110 | 80-137 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 88 | 79-127 |



| Purgeable Organics by GC/MS | | | | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|--|--|--|
| Lab #: | 250020 | Location: | Park Avenue Cleaners | | | | | | |
| Client: | Iris Environmental | Prep: | EPA 5030B | | | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | | | |
| Field ID: | ZZZZZZZZZ | Batch#: | 204228 | | | | | | |
| MSS Lab ID: | 250024-002 | Sampled: | 10/18/13 | | | | | | |
| Matrix: | Soil | Received: | 10/18/13 | | | | | | |
| Units: | ug/Kg | Analyzed: | 10/20/13 | | | | | | |
| Basis: | as received | | | | | | | | |

Type: MS Diln Fac: 0.9843

Lab ID: QC712699

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|--------------------|------------|--------|--------|------|--------|
| 1,1-Dichloroethene | <0.9322 | 49.21 | 40.08 | 81 | 52-132 |
| Benzene | <0.8951 | 49.21 | 41.98 | 85 | 54-121 |
| Trichloroethene | <0.8285 | 49.21 | 38.14 | 77 | 46-138 |
| Toluene | <0.7057 | 49.21 | 39.39 | 80 | 47-120 |
| Chlorobenzene | <0.6806 | 49.21 | 40.03 | 81 | 41-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 92 | 80-124 |
| 1,2-Dichloroethane-d4 | 110 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 87 | 79-127 |

Type: MSD Diln Fac: 0.9709

Lab ID: QC712700

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|------|--------|-----|-----|
| 1,1-Dichloroethene | 48.54 | 44.35 | 91 | 52-132 | 11 | 46 |
| Benzene | 48.54 | 46.40 | 96 | 54-121 | 11 | 43 |
| Trichloroethene | 48.54 | 42.81 | 88 | 46-138 | 13 | 50 |
| Toluene | 48.54 | 43.49 | 90 | 47-120 | 11 | 53 |
| Chlorobenzene | 48.54 | 44.04 | 91 | 41-120 | 11 | 50 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 88 | 80-124 | |
| 1,2-Dichloroethane-d4 | 108 | 80-137 | |
| Toluene-d8 | 101 | 80-120 | |
| Bromofluorobenzene | 85 | 79-127 | |





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250257 ANALYTICAL REPORT

Project : 13-945C Iris Environmental

Location : Park Ave. Cleaners 1438 Webster Street

Oakland, CA 94612 Level : II

> Sample ID <u>Lab ID</u> 7102-GENEX-ES-5.0 250257-001 250257-002 7102-GENEX-FLOOR-10.0

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA

Date: <u>10/29/2013</u>



CASE NARRATIVE

Laboratory number: 250257

Client: Iris Environmental

Project: 13-945C

Location: Park Ave. Cleaners

Request Date: 10/28/13 Samples Received: 10/28/13

This data package contains sample and QC results for two soil samples, requested for the above referenced project on 10/28/13. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

Low surrogate recovery was observed for dibromofluoromethane in 7102-GENEX-FLOOR-10.0 (lab # 250257-002). 7102-GENEX-FLOOR-10.0 (lab # 250257-002) was not diluted; the low sample weight is due to 5035 packaging. No other analytical problems were encountered.

| IRIS ENVIRONMENTAL CHAIN-OF-CUSTODY 1438 Webster Street, Suite 302 Oakland, California 94612 | | | | | Date: | 10 / 3/8 | 3 / \; | 3 | | Page | : \ 0 | of \ | N | • 0 | 036 | 54 | |
|--|--------------|----------------|--------------|------------------------------------|-----------|----------|--------|---|------|--------------|-----------|---------------|-----|-------------|----------|----|----------------------|
| | | | | | | | - | | Anal | yses | Requ | ired | | | | | |
| (510) 834-4747 tel (510) 834-4199 fax | | | | anes ha | Houz Rugh | | | | | · | | | | | | | ontainers |
| Tiffany Klitzke | DataTe(s): | | | VOCS be | | | | | | | | | | | | | Number of Containers |
| Sample ID | Date T | ime Matrix | Pres. | | | | | | | | | | | | | | ž |
| 7102-GenEx-ES-5.0 7102-GenEx-Floor-10.0 | | 905 S 100 S | * | X | X | | | | | | | | | | | | 4 |
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| PROJECT INFORMATION | | | | DE | INO. US | UED DV- | | | | | | | | | | | |
| | | | | RELINQUISHED BY: Printed Name (A) | | | | | | RECEIVED BY: | | | | | <u> </u> | | |
| Project Number: 13-945C | ners | · | | Hany Kithe | | | | | | | | | | | | | |
| Contact Person: Craig Pelletier, Tiff | - 1 10 la la | | | Signature | | | | | | Signature | | | | | | | |
| E-mail: 0 rg (6) | any Klizk | 2 | | Company | | | | | | Company | | | | | | | |
| E-mail: Craid @ Wisenv.com, -1 Contact Telephone: 510 - 834 - 47 | uz y @ IV | 1)en, com | <u> </u> | IRIS | | | | | | Cal | | | | | | | |
| 1 = | DD | | | Time/Date | | | | | | Time/Date | | | | | | | |
| TAT: 10-day 5-day 72-hr 48-hr (24-hr) Other: | | | | 1400 10/28/13 RELINQUISHED BY: | | | | | | | | | 1/2 | <u>~</u> | /_ | | |
| Special Instructions/Comments: | | | | Printed Name | | | | | | | EIVED E | 51: | | · · · · · | | | |
| * Sample containers include: 2 02 glass jar, one youL | | | | Signature | | | | | | Printed Name | | | | | | | |
| YOA WI MEOH, 2 40 ML VOIAS WITH blank water | | | | | | | | | | | Signature | | | | | | |
| 1 - 1 - 10 mc vovis with stank want | | | | | Company | | | | | Company | | | | | | | |
| | (0 | | | Time | /Date | | | | | | Time/f | Date | | | | | |

COOLER RECEIPT CHECKLIST



| Login# | 750757 | | Date | Received | 1 10/7 | ve/13 | Numbe | r of coole | rs 1 | |
|---------------------------------|--|--|---|---|---------------------|-------------------------|--|--|------|-------------|
| Client | 250257 Iris | | | | roject | | | Cleane | | |
| | | | | | | | | | | |
| Date Ope | ned 10/26/13 | -By (| print) | m | 4 | (sign)_ (sign)_ | | 12 | -m | |
| Date Log | ged in 🕨 | _ By (| print) | - 4 | | (sign)_ | | - 6 | | |
| 1. Did co | oler come with hipping info | a ship | ping slip | airbill, | etc) | | | YES | NO | } |
| H | custody seals pow many | | 1 | Name | | | Date | samples | æ | NO |
| 3. Were of 4. Were of 5. Is the | custody seals in custody papers of custody papers f project identifiant the packing in | ntact ury and illed oble from the second sec | ipon arri l intact v ut prope om custo | ival?when reconstruction of the contraction o | eived? signed, e | etc)? | | YES | NO | |
| | Bubble Wrap Cloth material rature documen | |] Cardbo | ard | □St | tyrofoam | | □ None □ Paper to °C | wels | • |
| Ty | ype of ice used: | ⊘ +W | /et | ☐ Blue/C | Gel 🗀 | None | Temp(| °C) 4 | 106 | |
| | Samples Recei | | | | | | | | | Rour |
| .52 | Samples receiv | | | | | | | | | re gui |
| | | | | | | r. Coomig | process | nau begui | | |
| o. were i | Method 5035 sa | mplin | g contain | ners pres | ent? | O | | | YES | NO |
| 9. Did all | YES, what time bottles arrive up | hroke | mey na | insterred aned? | to freeze | r <i>!</i> | 1403 | | ZEO. | |
| 10. Are th | ere any missing | · / extr | a sampl | ec? | | | | | | NO |
| 11. Are sa | imples in the ap | nronri | ate cont | ainers for | r indicate | d tests? | | | _ \ | |
| 12. Are sa | imple labels pre | sent i | n good o | anicis 10. Pondition | and com | nlete? | | ······································ | ~ | NO |
| 13. Do the | e sample labels | aoree | with cus | tody nan | and con arc? | ipicie: | | | | NO |
| 14. Was s | ufficient amoun | t of sa | mnle se | nt for tes | ts regues | ted? | ······································ | | ~ | NO NO |
| 15. Are th | e samples appro | nriate | dipic so dv prese | rved? | is reques | | | YES | NO 1 | NO |
| 16. Did vo | ou check preserv | atives | for all | hottles fo | r each sa | mple? | | YES | | |
| 17. Did vo | ou document yo | ir nres | servative | check? | i cacii sa | pic: | | VEC | NOA | Y/M |
| 18. Did vo | ou change the ho | old tin | ne in LIN | JS for 111 | nreserve | d VOAc2 | | YES | NOG | TM |
| 19. Did vo | ou change the ho | old tim | ne in LIN | AS for nr | eserved t | terracores ^c | 7 | MEG) | NO N | T/A |
| 20. Are bi | ıbbles > 6mm a | bsent i | in VOA | samples' | ? | torracores. | | VES | NO 1 | J/A |
| 21. Was tl | abbles > 6mm and action to the client contact | ed cor | ncerning | this sam | ple deliv | erv? | | TD5 | FS C | |
| If | YES, Who was | called | ? | , | By_ | y · | | Date:_ | ب مد | |
| COMME | | | | | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | | | | ······································ | | *** | | | | |
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| <u>.</u> | | | | | | | | | | |



| | Purgeable | Organics by GC/ | 'MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7102-GENEX-ES-5.0 | Diln Fac: | 0.9158 |
| Lab ID: | 250257-001 | Batch#: | 204463 |
| Matrix: | Soil | Sampled: | 10/28/13 |
| Units: | ug/Kg | Received: | 10/28/13 |
| Basis: | as received | Analyzed: | 10/28/13 |

| Analyte | Result | RL | |
|---------------------------|----------|-----|--|
| Freon 12 | ND ND | 9.2 | |
| Chloromethane | ND | 9.2 | |
| Vinyl Chloride | ND | 9.2 | |
| Bromomethane | ND | 9.2 | |
| Chloroethane | ND | 9.2 | |
| Trichlorofluoromethane | ND | 4.6 | |
| Acetone | ND | 18 | |
| Freon 113 | ND | 4.6 | |
| 1,1-Dichloroethene | ND ND | 4.6 | |
| Methylene Chloride | ND ND | 18 | |
| Carbon Disulfide | ND | 4.6 | |
| MTBE | ND | 4.6 | |
| trans-1,2-Dichloroethene | ND | 4.6 | |
| Vinyl Acetate | | 46 | |
| 1,1-Dichloroethane | ND | 4.6 | |
| | ND | | |
| 2-Butanone | ND | 9.2 | |
| cis-1,2-Dichloroethene | ND | 4.6 | |
| 2,2-Dichloropropane | ND | 4.6 | |
| Chloroform | ND | 4.6 | |
| Bromochloromethane | ND | 4.6 | |
| 1,1,1-Trichloroethane | ND | 4.6 | |
| 1,1-Dichloropropene | ND | 4.6 | |
| Carbon Tetrachloride | ND | 4.6 | |
| 1,2-Dichloroethane | ND | 4.6 | |
| Benzene | ND | 4.6 | |
| Trichloroethene | ND | 4.6 | |
| 1,2-Dichloropropane | ND | 4.6 | |
| Bromodichloromethane | ND | 4.6 | |
| Dibromomethane | ND | 4.6 | |
| 4-Methyl-2-Pentanone | ND | 9.2 | |
| cis-1,3-Dichloropropene | ND | 4.6 | |
| Toluene | ND | 4.6 | |
| trans-1,3-Dichloropropene | ND | 4.6 | |
| 1,1,2-Trichloroethane | ND | 4.6 | |
| 2-Hexanone | ND | 9.2 | |
| 1,3-Dichloropropane | ND | 4.6 | |
| Tetrachloroethene | 14 | 4.6 | |

RL= Reporting Limit



| | Purgeable | Organics by GC/ | 'MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7102-GENEX-ES-5.0 | Diln Fac: | 0.9158 |
| Lab ID: | 250257-001 | Batch#: | 204463 |
| Matrix: | Soil | Sampled: | 10/28/13 |
| Units: | ug/Kg | Received: | 10/28/13 |
| Basis: | as received | Analyzed: | 10/28/13 |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.6 | |
| 1,2-Dibromoethane | ND | 4.6 | |
| Chlorobenzene | ND | 4.6 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 | |
| Ethylbenzene | ND | 4.6 | |
| m,p-Xylenes | ND | 4.6 | |
| o-Xylene | ND | 4.6 | |
| Styrene | ND | 4.6 | |
| Bromoform | ND | 4.6 | |
| Isopropylbenzene | ND | 4.6 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 | |
| 1,2,3-Trichloropropane | ND | 4.6 | |
| Propylbenzene | ND | 4.6 | |
| Bromobenzene | ND | 4.6 | |
| 1,3,5-Trimethylbenzene | ND | 4.6 | |
| 2-Chlorotoluene | ND | 4.6 | |
| 4-Chlorotoluene | ND | 4.6 | |
| tert-Butylbenzene | ND | 4.6 | |
| 1,2,4-Trimethylbenzene | ND | 4.6 | |
| sec-Butylbenzene | ND | 4.6 | |
| para-Isopropyl Toluene | ND | 4.6 | |
| 1,3-Dichlorobenzene | ND | 4.6 | |
| 1,4-Dichlorobenzene | ND | 4.6 | |
| n-Butylbenzene | ND | 4.6 | |
| 1,2-Dichlorobenzene | ND | 4.6 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 | |
| 1,2,4-Trichlorobenzene | ND | 4.6 | |
| Hexachlorobutadiene | ND | 4.6 | |
| Naphthalene | ND | 4.6 | |
| 1,2,3-Trichlorobenzene | ND | 4.6 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 100 | 80-124 | |
| 1,2-Dichloroethane-d4 | 104 | 80-137 | |
| Toluene-d8 | 96 | 80-120 | |
| Bromofluorobenzene | 105 | 79-127 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | | |
|-----------------------------|-----------------------|-----------|--------------------|--|--|--|--|
| Lab #: | 250257 | Location: | Park Ave. Cleaners | | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | |
| Field ID: | 7102-GENEX-FLOOR-10.0 | Diln Fac: | 1.449 | | | | |
| Lab ID: | 250257-002 | Batch#: | 204463 | | | | |
| Matrix: | Soil | Sampled: | 10/28/13 | | | | |
| Units: | ug/Kg | Received: | 10/28/13 | | | | |
| Basis: | as received | Analyzed: | 10/28/13 | | | | |

| Analyte | Result | RL | |
|---------------------------|----------|-----|--|
| Freon 12 | ND | 14 | |
| Chloromethane | ND | 14 | |
| Vinyl Chloride | ND | 14 | |
| Bromomethane | ND | 14 | |
| Chloroethane | ND | 14 | |
| Trichlorofluoromethane | ND | 7.2 | |
| Acetone | 140 | 29 | |
| Freon 113 | ND | 7.2 | |
| 1,1-Dichloroethene | | 7.2 | |
| | ND ND | 29 | |
| Methylene Chloride | ND | | |
| Carbon Disulfide | ND | 7.2 | |
| MTBE | ND | 7.2 | |
| trans-1,2-Dichloroethene | ND | 7.2 | |
| Vinyl Acetate | ND | 72 | |
| 1,1-Dichloroethane | ND | 7.2 | |
| 2-Butanone | ND | 14 | |
| cis-1,2-Dichloroethene | ND | 7.2 | |
| 2,2-Dichloropropane | ND | 7.2 | |
| Chloroform | ND | 7.2 | |
| Bromochloromethane | ND | 7.2 | |
| 1,1,1-Trichloroethane | ND | 7.2 | |
| 1,1-Dichloropropene | ND | 7.2 | |
| Carbon Tetrachloride | ND | 7.2 | |
| 1,2-Dichloroethane | ND | 7.2 | |
| Benzene | ND | 7.2 | |
| Trichloroethene | ND | 7.2 | |
| 1,2-Dichloropropane | ND | 7.2 | |
| Bromodichloromethane | ND | 7.2 | |
| Dibromomethane | ND | 7.2 | |
| 4-Methyl-2-Pentanone | ND | 14 | |
| cis-1,3-Dichloropropene | ND | 7.2 | |
| Toluene | ND | 7.2 | |
| trans-1,3-Dichloropropene | ND | 7.2 | |
| 1,1,2-Trichloroethane | ND | 7.2 | |
| 2-Hexanone | ND | 14 | |
| 1,3-Dichloropropane | ND | 7.2 | |
| Tetrachloroethene | ND | 7.2 | |
| Dibromochloromethane | ND | 7.2 | |
| 1,2-Dibromoethane | ND | 7.2 | |
| Chlorobenzene | ND ND | 7.2 | |
| 1,1,1,2-Tetrachloroethane | ND ND | 7.2 | |
| | ND ND | 7.2 | |
| Ethylbenzene | ND ND | 7.2 | |
| m,p-Xylenes | | | |
| o-Xylene | ND ND | 7.2 | |
| Styrene | ND | 7.2 | |
| Bromoform | ND | 7.2 | |
| Isopropylbenzene | ND | 7.2 | |
| 1,1,2,2-Tetrachloroethane | ND | 7.2 | |
| 1,2,3-Trichloropropane | ND | 7.2 | |
| Propylbenzene | ND | 7.2 | |
| Bromobenzene | ND | 7.2 | |
| 1,3,5-Trimethylbenzene | ND | 7.2 | |
| 2-Chlorotoluene | ND | 7.2 | |

^{*=} Value outside of QC limits; see narrative ND= Not Detected RL= Reporting Limit Page 1 of 2



| | | Organics by GC/ | MS |
|-----------|-----------------------|-----------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7102-GENEX-FLOOR-10.0 | Diln Fac: | 1.449 |
| Lab ID: | 250257-002 | Batch#: | 204463 |
| Matrix: | Soil | Sampled: | 10/28/13 |
| Units: | ug/Kg | Received: | 10/28/13 |
| Basis: | as received | Analyzed: | 10/28/13 |

| Analyte | Result | RL |
|-----------------------------|--------|-----|
| 4-Chlorotoluene | ND | 7.2 |
| tert-Butylbenzene | ND | 7.2 |
| 1,2,4-Trimethylbenzene | ND | 7.2 |
| sec-Butylbenzene | ND | 7.2 |
| para-Isopropyl Toluene | ND | 7.2 |
| 1,3-Dichlorobenzene | ND | 7.2 |
| 1,4-Dichlorobenzene | ND | 7.2 |
| n-Butylbenzene | ND | 7.2 |
| 1,2-Dichlorobenzene | ND | 7.2 |
| 1,2-Dibromo-3-Chloropropane | ND | 7.2 |
| 1,2,4-Trichlorobenzene | ND | 7.2 |
| Hexachlorobutadiene | ND | 7.2 |
| Naphthalene | ND | 7.2 |
| 1,2,3-Trichlorobenzene | ND | 7.2 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 29 * | 80-124 | |
| 1,2-Dichloroethane-d4 | 104 | 80-137 | |
| Toluene-d8 | 95 | 80-120 | |
| Bromofluorobenzene | 100 | 79-127 | |

^{*=} Value outside of QC limits; see narrative ND= Not Detected RL= Reporting Limit Page 2 of 2



| Purgeable Organics by GC/MS | | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|--|
| Lab #: | 250257 | Location: | Park Ave. Cleaners | | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | |
| Matrix: | Soil | Batch#: | 204463 | | | | |
| Units: | ug/Kg | Analyzed: | 10/28/13 | | | | |
| Diln Fac: | 1.000 | | | | | | |

Type: BS Lab ID: QC713643

| Analyte | Spiked | Result | %REC | Limits |
|--------------------|--------|--------|------|--------|
| 1,1-Dichloroethene | 25.00 | 24.51 | 98 | 67-132 |
| Benzene | 25.00 | 26.56 | 106 | 77-126 |
| Trichloroethene | 25.00 | 28.14 | 113 | 76-127 |
| Toluene | 25.00 | 26.03 | 104 | 76-124 |
| Chlorobenzene | 25.00 | 26.68 | 107 | 76-120 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 97 | 80-124 | |
| 1,2-Dichloroethane-d4 | 104 | 80-137 | |
| Toluene-d8 | 97 | 80-120 | |
| Bromofluorobenzene | 103 | 79-127 | |

Type: BSD Lab ID: QC713644

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|------|--------|-----|-----|
| 1,1-Dichloroethene | 25.00 | 23.22 | 93 | 67-132 | 5 | 27 |
| Benzene | 25.00 | 26.00 | 104 | 77-126 | 2 | 20 |
| Trichloroethene | 25.00 | 27.58 | 110 | 76-127 | 2 | 22 |
| Toluene | 25.00 | 25.14 | 101 | 76-124 | 3 | 26 |
| Chlorobenzene | 25.00 | 26.57 | 106 | 76-120 | 0 | 21 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 95 | 80-124 |
| 1,2-Dichloroethane-d4 | 106 | 80-137 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 99 | 79-127 |



| | Purgeable | e Organics by GC/ | /MS |
|-----------|--------------------|-------------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC713645 | Batch#: | 204463 |
| Matrix: | Soil | Analyzed: | 10/28/13 |
| Units: | ug/Kg | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| | Purgeable | Organics by GC/ | /MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC713645 | Batch#: | 204463 |
| Matrix: | Soil | Analyzed: | 10/28/13 |
| Units: | ug/Kg | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 93 | 80-124 | |
| 1,2-Dichloroethane-d4 | 103 | 80-137 | |
| Toluene-d8 | 97 | 80-120 | |
| Bromofluorobenzene | 103 | 79-127 | |

ND= Not Detected

RL= Reporting Limit



| | Purgeable Or | ganics by GC/MS | |
|-------------|--------------------|-----------------|--------------------|
| Lab #: | 250257 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 204463 |
| MSS Lab ID: | 250074-007 | Sampled: | 10/21/13 |
| Matrix: | Soil | Received: | 10/21/13 |
| Units: | ug/Kg | Analyzed: | 10/28/13 |
| Basis: | as received | | |

Type: MS Diln Fac: 0.8865

Lab ID: QC713653

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|--------------------|------------|--------|--------|------|--------|
| 1,1-Dichloroethene | <0.5574 | 44.33 | 33.97 | 77 | 52-132 |
| Benzene | <0.6494 | 44.33 | 38.33 | 86 | 54-121 |
| Trichloroethene | <0.6764 | 44.33 | 38.92 | 88 | 46-138 |
| Toluene | <0.7114 | 44.33 | 35.78 | 81 | 47-120 |
| Chlorobenzene | <0.5832 | 44.33 | 37.14 | 84 | 41-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 97 | 80-124 |
| 1,2-Dichloroethane-d4 | 105 | 80-137 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 100 | 79-127 |

Type: MSD Diln Fac: 0.9470

Lab ID: QC713654

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|------|--------|-----|-----|
| 1,1-Dichloroethene | 47.35 | 37.29 | 79 | 52-132 | 3 | 46 |
| Benzene | 47.35 | 41.09 | 87 | 54-121 | 0 | 43 |
| Trichloroethene | 47.35 | 41.81 | 88 | 46-138 | 1 | 50 |
| Toluene | 47.35 | 39.66 | 84 | 47-120 | 4 | 53 |
| Chlorobenzene | 47.35 | 40.20 | 85 | 41-120 | 1 | 50 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 96 | 80-124 | |
| 1,2-Dichloroethane-d4 | 103 | 80-137 | |
| Toluene-d8 | 98 | 80-120 | |
| Bromofluorobenzene | 103 | 79-127 | |



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250257 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC713800 | Batch#: | 204463 | | | |
| Matrix: | Soil | Analyzed: | 10/28/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250257 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC713800 | Batch#: | 204463 | | | |
| Matrix: | Soil | Analyzed: | 10/28/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 96 | 80-124 | |
| 1,2-Dichloroethane-d4 | 100 | 80-137 | |
| Toluene-d8 | 97 | 80-120 | |
| Bromofluorobenzene | 101 | 79-127 | |

ND= Not Detected

RL= Reporting Limit





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250311 ANALYTICAL REPORT

Iris Environmental 1438 Webster Street

Oakland, CA 94612

Project : 13-945C

Location : Park Avenue Cleaners

Level : II

<u>Sample ID</u> 7102-GENEX-NS-5.0

<u>Lab ID</u> 250311-001

Date: <u>10/30/2013</u>

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA



CASE NARRATIVE

Laboratory number: 250311

Client: Iris Environmental

Project: 13-945C

Location: Park Avenue Cleaners

Request Date: 10/29/13 Samples Received: 10/29/13

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 10/29/13. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

High recovery was observed for trichloroethene in the MSD for batch 204505; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

| | Q0 70-2‡ | |
|--|-------------------------|--|
| IRIS ENVIRONMENTAL 1438 Webster Street, Suite 302 | Date: 10 / が113 Pa | ge: of Nº 003651 |
| Oakland, California 94612 | Analyse | es Required |
| (510) 834-4747 tel (510) 834-4199 fax | STUCE RUST | ainers |
| Sampler Name(s): Tiffany Klitzke Signature(e): | 34 TOWN S | Number of Containers |
| Sample ID Date Time Matrix Pres. | 3.0 | |
| 7102 - GenEx-INS-5.0 10/29/13 0900 3 * | XX | |
| | | 4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| PROJECT INFORMATION | RELINQUISHED BY: | |
| Project Name: Park Avenue Charles | | RECEIVED BY: Printed Name |
| Project Number: 13 -945C | Editer Parise Kitche | Middlewas |
| Contact Person: Craits Pulcher, Tiffany Klitzka | Signature | Signature |
| E-mail: Clage reservicon than a inservicon | Company | Company |
| Contact Telephone 510 - 834 - 4747 | IRFS Time/Date 10/29/13 | Time/Date |
| Report: Routire (Level 2) Level 3 Level 4 EDD TAT: 10-day 5-day 72-hr 48-hr (.24-hr) Other: | 1100 10/29/13 | 100 10/39 |
| Special Instructions/Comments: | RELINQUISHED BY: | RECEIVED BY: |
| * Sample container indula. | Printed Name | Printed Name |
| one 40 mc voir w/ me of, two 40mc vous w/black water, and one unpresented 2000 gluss juice | Signature | Signature |
| water and one was made a | Company | Commen |
| with the wifestive 202 glass jak | | Company |
| | Time/Date | Time/Date |
| | | |

3 of 10

COOLER RECEIPT CHECKLIST



| Login # 25Ø311 Client IRIS | Date Received 142 Project | 9/13 Numbe PARK AVENI | r of coolers 1 DE CLEANERS | (13-9450) |
|---|---|--------------------------------|--|-----------|
| Date Opened 10/24/13 By Date Logged in By | (print) TR (print) I | (sign) 7M | na Keukan I | |
| 1. Did cooler come with a ship Shipping info | oping slip (airbill, etc) | | YES NO | _ |
| 2A. Were custody seals present How many | Name | | samples 🔯 NO | |
| 2B. Were custody seals intact 3. Were custody papers dry an 4. Were custody papers filled of 5. Is the project identifiable fr 6. Indicate the packing in cool | upon arrival? | etc)? | YES NO N/A YES NO YES NO YES NO | |
| 7. Temperature documentation | ☐ Cardboard ☐ S n: * Notify PM if ten | Styrofoam nperature exceeds 6 | □ None □ Paper towels °C | |
| Type of ice used: | - | | | |
| | on ice & cold without a ter | | | n |
| Samples received or | n ice directly from the fiel | d. Cooling process | had begun | 4 |
| 9. Did all bottles arrive unbrok 10. Are there any missing / ext 11. Are samples in the appropr 12. Are sample labels present, 13. Do the sample labels agree 14. Was sufficient amount of s 15. Are the samples appropriat 16. Did you check preservative 17. Did you document your pre 18. Did you change the hold tin 19. Did you change the hold tin 20. Are bubbles > 6mm absent 21. Was the client contacted co | e they transferred to freeze ten/unopened? tra samples? riate containers for indicate in good condition and core with custody papers? trample sent for tests requerely preserved? test for all bottles for each separative check? transferred to freeze ten/united tensions. | ed tests? | YES NO NA | |
| COMMENTS | | | | |
| | + | | | _ _ |
| | *************************************** | | | |
| | | | | _ _ |



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7102-GENEX-NS-5.0 | Diln Fac: | 0.9225 | | | |
| Lab ID: | 250311-001 | Batch#: | 204505 | | | |
| Matrix: | Soil | Sampled: | 10/29/13 | | | |
| Units: | ug/Kg | Received: | 10/29/13 | | | |
| Basis: | as received | Analyzed: | 10/29/13 | | | |

| Analyte | Result | RL | |
|---------------------------|----------|------------|--|
| Freon 12 | ND ND | 9.2 | |
| Chloromethane | ND | 9.2 | |
| Vinyl Chloride | ND | 9.2 | |
| Bromomethane | ND | 9.2 | |
| Chloroethane | ND | 9.2 | |
| Trichlorofluoromethane | ND | 4.6 | |
| Acetone | ND | 18 | |
| Freon 113 | ND | 4.6 | |
| 1,1-Dichloroethene | ND | 4.6 | |
| Methylene Chloride | ND | 18 | |
| Carbon Disulfide | ND | 4.6 | |
| MTBE | ND | 4.6 | |
| trans-1,2-Dichloroethene | ND ND | 4.6 | |
| Vinyl Acetate | ND | 46 | |
| 1,1-Dichloroethane | ND ND | 4.6 | |
| 2-Butanone | ND ND | 9.2 | |
| cis-1,2-Dichloroethene | ND | 4.6 | |
| 2,2-Dichloropropane | ND ND | 4.6 | |
| Chloroform | ND | 4.6 | |
| Bromochloromethane | ND | 4.6 | |
| 1,1,1-Trichloroethane | ND ND | 4.6 | |
| 1,1-Dichloropropene | ND | 4.6 | |
| Carbon Tetrachloride | ND | 4.6 | |
| 1,2-Dichloroethane | ND ND | 4.6 | |
| Benzene | | 4.6 | |
| Trichloroethene | ND | 4.6 | |
| 1,2-Dichloropropane | ND ND | | |
| Bromodichloromethane | ND ND | 4.6 | |
| Dibromomethane | ND ND | 4.6 4.6 | |
| | | 9.2 | |
| 4-Methyl-2-Pentanone | ND ND | 4.6 | |
| cis-1,3-Dichloropropene | ND | | |
| Toluene | ND | 4.6 | |
| trans-1,3-Dichloropropene | ND ND | 4.6 | |
| 1,1,2-Trichloroethane | ND ND | 4.6 | |
| 2-Hexanone | ND ND | 9.2 | |
| 1,3-Dichloropropane | ND | 4.6 | |
| Tetrachloroethene | 15 | 4.6 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7102-GENEX-NS-5.0 | Diln Fac: | 0.9225 | | | |
| Lab ID: | 250311-001 | Batch#: | 204505 | | | |
| Matrix: | Soil | Sampled: | 10/29/13 | | | |
| Units: | ug/Kg | Received: | 10/29/13 | | | |
| Basis: | as received | Analyzed: | 10/29/13 | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.6 | |
| 1,2-Dibromoethane | ND | 4.6 | |
| Chlorobenzene | ND | 4.6 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 | |
| Ethylbenzene | ND | 4.6 | |
| m,p-Xylenes | ND | 4.6 | |
| o-Xylene | ND | 4.6 | |
| Styrene | ND | 4.6 | |
| Bromoform | ND | 4.6 | |
| Isopropylbenzene | ND | 4.6 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 | |
| 1,2,3-Trichloropropane | ND | 4.6 | |
| Propylbenzene | ND | 4.6 | |
| Bromobenzene | ND | 4.6 | |
| 1,3,5-Trimethylbenzene | ND | 4.6 | |
| 2-Chlorotoluene | ND | 4.6 | |
| 4-Chlorotoluene | ND | 4.6 | |
| tert-Butylbenzene | ND | 4.6 | |
| 1,2,4-Trimethylbenzene | ND | 4.6 | |
| sec-Butylbenzene | ND | 4.6 | |
| para-Isopropyl Toluene | ND | 4.6 | |
| 1,3-Dichlorobenzene | ND | 4.6 | |
| 1,4-Dichlorobenzene | ND | 4.6 | |
| n-Butylbenzene | ND | 4.6 | |
| 1,2-Dichlorobenzene | ND | 4.6 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 | |
| 1,2,4-Trichlorobenzene | ND | 4.6 | |
| Hexachlorobutadiene | ND | 4.6 | |
| Naphthalene | ND | 4.6 | |
| 1,2,3-Trichlorobenzene | ND | 4.6 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 104 | 80-124 | |
| 1,2-Dichloroethane-d4 | 104 | 80-137 | |
| Toluene-d8 | 95 | 80-120 | |
| Bromofluorobenzene | 104 | 79-127 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC713817 | Batch#: | 204505 | | | |
| Matrix: | Soil | Analyzed: | 10/29/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC713817 | Batch#: | 204505 | | | |
| Matrix: | Soil | Analyzed: | 10/29/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 101 | 80-124 | |
| 1,2-Dichloroethane-d4 | 101 | 80-137 | |
| Toluene-d8 | 93 | 80-120 | |
| Bromofluorobenzene | 98 | 79-127 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5030B | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | ZZZZZZZZZZ | Batch#: | 204505 | | | |
| MSS Lab ID: | 250278-005 | Sampled: | 10/28/13 | | | |
| Matrix: | Soil | Received: | 10/28/13 | | | |
| Units: | ug/Kg | Analyzed: | 10/29/13 | | | |
| Basis: | as received | | | | | |

Type: MS Diln Fac: 0.9785

Lab ID: QC713859

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|--------------------|------------|--------|--------|------|--------|
| 1,1-Dichloroethene | <0.5812 | 48.92 | 47.81 | 98 | 52-132 |
| Benzene | <0.6772 | 48.92 | 49.38 | 101 | 54-121 |
| Trichloroethene | <0.7053 | 48.92 | 64.97 | 133 | 46-138 |
| Toluene | <0.7417 | 48.92 | 43.60 | 89 | 47-120 |
| Chlorobenzene | <0.6081 | 48.92 | 42.46 | 87 | 41-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 102 | 80-124 |
| 1,2-Dichloroethane-d4 | 105 | 80-137 |
| Toluene-d8 | 92 | 80-120 |
| Bromofluorobenzene | 100 | 79-127 |

Type: MSD Diln Fac: 0.9728

Lab ID: QC713860

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|-------|--------|-----|-----|
| 1,1-Dichloroethene | 48.64 | 50.52 | 104 | 52-132 | 6 | 46 |
| Benzene | 48.64 | 50.36 | 104 | 54-121 | 3 | 43 |
| Trichloroethene | 48.64 | 69.57 | 143 * | 46-138 | 7 | 50 |
| Toluene | 48.64 | 45.35 | 93 | 47-120 | 5 | 53 |
| Chlorobenzene | 48.64 | 44.81 | 92 | 41-120 | 6 | 50 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 101 | 80-124 |
| 1,2-Dichloroethane-d4 | 105 | 80-137 |
| Toluene-d8 | 93 | 80-120 |
| Bromofluorobenzene | 101 | 79-127 |

^{*=} Value outside of QC limits; see narrative

RPD= Relative Percent Difference

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| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250311 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | LCS | Diln Fac: | 1.000 | | | |
| Lab ID: | QC714029 | Batch#: | 204505 | | | |
| Matrix: | Soil | Analyzed: | 10/29/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Spiked | Result | %REC | Limits |
|--------------------|--------|--------|------|--------|
| 1,1-Dichloroethene | 25.00 | 25.50 | 102 | 67-132 |
| Benzene | 25.00 | 26.79 | 107 | 77-126 |
| Trichloroethene | 25.00 | 28.34 | 113 | 76-127 |
| Toluene | 25.00 | 24.68 | 99 | 76-124 |
| Chlorobenzene | 25.00 | 25.70 | 103 | 76-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 99 | 80-124 |
| 1,2-Dichloroethane-d4 | 102 | 80-137 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 97 | 79-127 |

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Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250455 ANALYTICAL REPORT

Iris Environmental Project : 13-945C

1438 Webster Street Location: Park Ave. Cleaners

Oakland, CA 94612 Level : II

 Sample ID
 Lab ID

 7104-GENEX-SS-5.0
 250455-001

 7104-GENEX-WS-5.0
 250455-002

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

NELAP # 01107CA

Date: <u>11/05/2013</u>



CASE NARRATIVE

Laboratory number: 250455

Client: Iris Environmental

Project: 13-945C

Location: Park Ave. Cleaners

Request Date: 11/01/13 Samples Received: 11/01/13

This data package contains sample and QC results for two soil samples, requested for the above referenced project on 11/01/13. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

| IRIS ENVIRONMENTAL 1438 Webster Street, Suite 302 | CHAIN | V-OF- | CUST | ODY | | Date | r 11 | / | | 13 | | Pag | e: j | of \ | | Nº | 0 | 036 | 350 | |
|--|---|-------|---|------------|------------------|------------------|--------------|------------|--|----|-------|---------------|---------------|--------|----------|-----|-------|----------|----------|----------------------|
| Oakland, California 94612 (510) 834-4747 tel (510) 834-4199 fax | | | | | SOMOS | 3 | | | | T | Ana | lyses | s Req | uired | | | | | | ners |
| Tilfany Klitzke | gnature(s) | | | | VOC. bus | 1 1 | | | | | | | | | | | | | | Number of Containers |
| Sample ID 7104-GenEx-SS-5.0 7104-GenEx-WS-S.0 | Date 11/11/3 | | S | Pres. | X | X | | | | | | | | | | | | | | 7 4 |
| | | | | | - | / | | | | | | | | | | | | | | 1 |
| | | | | TK | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| PROJECT INFORMATION Project Name: Park Avenue Cleans | oK | | | | Printe | LINQUIS | e | , 1 | | | | | | CEIVED | | | | | <u> </u> | |
| Project Number: 13-9450 Contact Person: Tiffany Klitcking E-mail: Hank Market Market 17500 Can, Contact Telephone: 510-834-474 | Contact Person: Tiffany Klitche, Gaig Pelletier E-mail: Hiffany Insenvican, Grange Insenvican Contact Telephone: 510-834-4744 | | | Signa Comp | npany Lic e/Date | My l My FS | Kl.tz | <u>die</u> | | | | Signa Comp | ature pany | | Jan T | ale | 1 2 h | <u> </u> | | |
| Special Instructions/Comments: | | | ISTO UIII/3 RELINQUISHED BY: Printed Name | | | | RECEIVED BY: | | | | | | | | | | | | | |
| 2 40 ml yorks willark water, I unpresented | | | Signat | | | | | | | | Signa | | | | | | | | | |
| | | | | | Time/ | e/Date | | | | | | | Time/I | | | | | | | |

COOLER RECEIPT CHECKLIST



| Login # ZTOYSS Client IRU | Date Received | | Number | of coolers | sİ |
|--|--|--|--------------|---|---|
| Date Opened 11 cl 13 By Date Logged in 5 By | (print) \sim 4 | (sig | | \$ 1 V | |
| Did cooler come with a ship Shipping info | pping slip (airbill, e | etc) | | YES | MO. |
| 2A. Were custody seals present How many | Name_upon arrival? | ived?igned, etc)?;? (If so fill out ibe) | Date_ | | NO NO NO |
| Cloth material 7. Temperature documentation |] Cardboard : * Notify PN | ☐ Styrofoam I if temperature | e exceeds 6° | | vels |
| Type of ice used: V | | | | | |
| Samples Received on Samples arrive unbroke 10. Are there any missing / extra 11. Are samples in the appropriate 12. Are sample labels present, in 13. Do the sample labels agree 14. Was sufficient amount of samples appropriate 15. Are the samples appropriate 16. Did you check preservatives 17. Did you document your present 18. Did you change the hold time 19. Did you change the hold time 19. Did you change the hold time 19. Are bubbles > 6mm absent 121. Was the client contacted control of YES, Who was called | g containers present they transferred to en/unopened? The samples? The samples? The samples of the sample containers for an good condition as with custody paper ample sent for tests of the served? The sample served? The in LIMS for unput in LIMS for present to the samples? The samples of th | the field. Coolint? of freezer? indicated tests? and complete? rs? each sample? each sample? oreserved VOA served terracore | ng process h | ad begun Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y | ES NO ES NO ES NO N |
| COMMENTS | | | | | |
| | | | | | |
| | | | | | |
| : | | | | | |



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7104-GENEX-SS-5.0 | Diln Fac: | 0.7974 | | | |
| Lab ID: | 250455-001 | Batch#: | 204708 | | | |
| Matrix: | Soil | Sampled: | 11/01/13 | | | |
| Units: | ug/Kg | Received: | 11/01/13 | | | |
| Basis: | as received | Analyzed: | 11/04/13 | | | |

| No a Torris a | Result | D. | |
|---------------------------|----------|-----|--|
| Analyte | | RL | |
| Freon 12 | ND | 8.0 | |
| Chloromethane | ND | 8.0 | |
| Vinyl Chloride | ND | 8.0 | |
| Bromomethane | ND | 8.0 | |
| Chloroethane | ND | 8.0 | |
| Trichlorofluoromethane | ND | 4.0 | |
| Acetone | ND | 16 | |
| Freon 113 | ND | 4.0 | |
| 1,1-Dichloroethene | ND | 4.0 | |
| Methylene Chloride | ND | 16 | |
| Carbon Disulfide | ND | 4.0 | |
| MTBE | ND | 4.0 | |
| trans-1,2-Dichloroethene | ND | 4.0 | |
| Vinyl Acetate | ND | 40 | |
| 1,1-Dichloroethane | ND | 4.0 | |
| 2-Butanone | ND | 8.0 | |
| cis-1,2-Dichloroethene | ND | 4.0 | |
| 2,2-Dichloropropane | ND | 4.0 | |
| Chloroform | ND | 4.0 | |
| Bromochloromethane | ND | 4.0 | |
| 1,1,1-Trichloroethane | ND | 4.0 | |
| 1,1-Dichloropropene | ND | 4.0 | |
| Carbon Tetrachloride | ND | 4.0 | |
| 1,2-Dichloroethane | ND | 4.0 | |
| Benzene | ND | 4.0 | |
| Trichloroethene | ND | 4.0 | |
| 1,2-Dichloropropane | ND | 4.0 | |
| Bromodichloromethane | ND | 4.0 | |
| Dibromomethane | ND | 4.0 | |
| 4-Methyl-2-Pentanone | ND | 8.0 | |
| cis-1,3-Dichloropropene | ND | 4.0 | |
| Toluene | ND | 4.0 | |
| trans-1,3-Dichloropropene | ND | 4.0 | |
| 1,1,2-Trichloroethane | ND | 4.0 | |
| 2-Hexanone | ND ND | 8.0 | |
| 1,3-Dichloropropane | ND | 4.0 | |
| Tetrachloroethene | ND 29 | 4.0 | |
| retraciiioroetiieiie | ۷۶ | 4.0 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7104-GENEX-SS-5.0 | Diln Fac: | 0.7974 | | | |
| Lab ID: | 250455-001 | Batch#: | 204708 | | | |
| Matrix: | Soil | Sampled: | 11/01/13 | | | |
| Units: | ug/Kg | Received: | 11/01/13 | | | |
| Basis: | as received | Analyzed: | 11/04/13 | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.0 | |
| 1,2-Dibromoethane | ND | 4.0 | |
| Chlorobenzene | ND | 4.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.0 | |
| Ethylbenzene | ND | 4.0 | |
| m,p-Xylenes | ND | 4.0 | |
| o-Xylene | ND | 4.0 | |
| Styrene | ND | 4.0 | |
| Bromoform | ND | 4.0 | |
| Isopropylbenzene | ND | 4.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.0 | |
| 1,2,3-Trichloropropane | ND | 4.0 | |
| Propylbenzene | ND | 4.0 | |
| Bromobenzene | ND | 4.0 | |
| 1,3,5-Trimethylbenzene | ND | 4.0 | |
| 2-Chlorotoluene | ND | 4.0 | |
| 4-Chlorotoluene | ND | 4.0 | |
| tert-Butylbenzene | ND | 4.0 | |
| 1,2,4-Trimethylbenzene | ND | 4.0 | |
| sec-Butylbenzene | ND | 4.0 | |
| para-Isopropyl Toluene | ND | 4.0 | |
| 1,3-Dichlorobenzene | ND | 4.0 | |
| 1,4-Dichlorobenzene | ND | 4.0 | |
| n-Butylbenzene | ND | 4.0 | |
| 1,2-Dichlorobenzene | ND | 4.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.0 | |
| 1,2,4-Trichlorobenzene | ND | 4.0 | |
| Hexachlorobutadiene | ND | 4.0 | |
| Naphthalene | ND | 4.0 | |
| 1,2,3-Trichlorobenzene | ND | 4.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 87 | 80-124 | |
| 1,2-Dichloroethane-d4 | 82 | 80-137 | |
| Toluene-d8 | 103 | 80-120 | |
| Bromofluorobenzene | 112 | 79-127 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7104-GENEX-WS-5.0 | Diln Fac: | 0.9542 | | | |
| Lab ID: | 250455-002 | Batch#: | 204708 | | | |
| Matrix: | Soil | Sampled: | 11/01/13 | | | |
| Units: | ug/Kg | Received: | 11/01/13 | | | |
| Basis: | as received | Analyzed: | 11/04/13 | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 9.5 | |
| Chloromethane | ND | 9.5 | |
| Vinyl Chloride | ND | 9.5 | |
| Bromomethane | ND | 9.5 | |
| Chloroethane | ND | 9.5 | |
| Trichlorofluoromethane | ND | 4.8 | |
| Acetone | ND | 19 | |
| Freon 113 | ND | 4.8 | |
| 1,1-Dichloroethene | ND | 4.8 | |
| Methylene Chloride | ND | 19 | |
| Carbon Disulfide | ND | 4.8 | |
| MTBE | ND | 4.8 | |
| trans-1,2-Dichloroethene | ND | 4.8 | |
| Vinyl Acetate | ND | 48 | |
| 1,1-Dichloroethane | ND | 4.8 | |
| 2-Butanone | ND | 9.5 | |
| cis-1,2-Dichloroethene | ND | 4.8 | |
| 2,2-Dichloropropane | ND | 4.8 | |
| Chloroform | ND | 4.8 | |
| Bromochloromethane | ND | 4.8 | |
| 1,1,1-Trichloroethane | ND | 4.8 | |
| 1,1-Dichloropropene | ND | 4.8 | |
| Carbon Tetrachloride | ND | 4.8 | |
| 1,2-Dichloroethane | ND | 4.8 | |
| Benzene | ND | 4.8 | |
| Trichloroethene | ND | 4.8 | |
| 1,2-Dichloropropane | ND | 4.8 | |
| Bromodichloromethane | ND | 4.8 | |
| Dibromomethane | ND | 4.8 | |
| 4-Methyl-2-Pentanone | ND | 9.5 | |
| cis-1,3-Dichloropropene | ND | 4.8 | |
| Toluene | ND | 4.8 | |
| trans-1,3-Dichloropropene | ND | 4.8 | |
| 1,1,2-Trichloroethane | ND | 4.8 | |
| 2-Hexanone | ND | 9.5 | |
| 1,3-Dichloropropane | ND | 4.8 | |
| Tetrachloroethene | 36 | 4.8 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Field ID: | 7104-GENEX-WS-5.0 | Diln Fac: | 0.9542 | | | |
| Lab ID: | 250455-002 | Batch#: | 204708 | | | |
| Matrix: | Soil | Sampled: | 11/01/13 | | | |
| Units: | ug/Kg | Received: | 11/01/13 | | | |
| Basis: | as received | Analyzed: | 11/04/13 | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.8 | |
| 1,2-Dibromoethane | ND | 4.8 | |
| Chlorobenzene | ND | 4.8 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 | |
| Ethylbenzene | ND | 4.8 | |
| m,p-Xylenes | ND | 4.8 | |
| o-Xylene | ND | 4.8 | |
| Styrene | ND | 4.8 | |
| Bromoform | ND | 4.8 | |
| Isopropylbenzene | ND | 4.8 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 | |
| 1,2,3-Trichloropropane | ND | 4.8 | |
| Propylbenzene | ND | 4.8 | |
| Bromobenzene | ND | 4.8 | |
| 1,3,5-Trimethylbenzene | ND | 4.8 | |
| 2-Chlorotoluene | ND | 4.8 | |
| 4-Chlorotoluene | ND | 4.8 | |
| tert-Butylbenzene | ND | 4.8 | |
| 1,2,4-Trimethylbenzene | ND | 4.8 | |
| sec-Butylbenzene | ND | 4.8 | |
| para-Isopropyl Toluene | ND | 4.8 | |
| 1,3-Dichlorobenzene | ND | 4.8 | |
| 1,4-Dichlorobenzene | ND | 4.8 | |
| n-Butylbenzene | ND | 4.8 | |
| 1,2-Dichlorobenzene | ND | 4.8 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 | |
| 1,2,4-Trichlorobenzene | ND | 4.8 | |
| Hexachlorobutadiene | ND | 4.8 | |
| Naphthalene | ND | 4.8 | |
| 1,2,3-Trichlorobenzene | ND | 4.8 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 89 | 80-124 | |
| 1,2-Dichloroethane-d4 | 95 | 80-137 | |
| Toluene-d8 | 101 | 80-120 | |
| Bromofluorobenzene | 108 | 79-127 | |

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | |
| Type: | BLANK | Diln Fac: | 1.000 | | |
| Lab ID: | QC714676 | Batch#: | 204708 | | |
| Matrix: | Soil | Analyzed: | 11/04/13 | | |
| Units: | ug/Kg | | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | |
| Lab ID: | QC714676 | Batch#: | 204708 | | | |
| Matrix: | Soil | Analyzed: | 11/04/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 90 | 80-124 | |
| 1,2-Dichloroethane-d4 | 93 | 80-137 | |
| Toluene-d8 | 103 | 80-120 | |
| Bromofluorobenzene | 100 | 79-127 | |

ND= Not Detected

RL= Reporting Limit

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5.0



| Purgeable Organics by GC/MS | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250455 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | |
| Type: | LCS | Diln Fac: | 1.000 | | | |
| Lab ID: | QC714677 | Batch#: | 204708 | | | |
| Matrix: | Soil | Analyzed: | 11/04/13 | | | |
| Units: | ug/Kg | | | | | |

| Analyte | Spiked | Result | %REC | Limits |
|--------------------|--------|--------|------|--------|
| 1,1-Dichloroethene | 20.00 | 18.72 | 94 | 67-132 |
| Benzene | 20.00 | 20.34 | 102 | 77-126 |
| Trichloroethene | 20.00 | 19.35 | 97 | 76-127 |
| Toluene | 20.00 | 20.77 | 104 | 76-124 |
| Chlorobenzene | 20.00 | 22.13 | 111 | 76-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 97 | 80-124 |
| 1,2-Dichloroethane-d4 | 95 | 80-137 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 98 | 79-127 |

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Oakland, CA 94612

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250526 ANALYTICAL REPORT

Project : 13-945C Iris Environmental

Location : Park Ave. Cleaners 1438 Webster Street

Level : II

Sample ID 7104-GENEX-NS-5.0 7104-GENEX-FLOOR-10.0

<u>Lab ID</u> 250526-001 250526-002

Date: <u>11/06/2013</u>

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA



CASE NARRATIVE

Laboratory number: 250526

Client: Iris Environmental

Project: 13-945C

Location: Park Ave. Cleaners

Request Date: 11/05/13
Samples Received: 11/05/13

This data package contains sample and QC results for two soil samples, requested for the above referenced project on 11/05/13. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

| | 250526 | · | | | | |
|--|---------------------------|--------------------------------|------------|----------|--------------------------------|----------------------|
| | N-OF-CUSTODY | Date | 11/5/13 | Page | e:) of] | Nº 003656 |
| 1438 Webster Street, Suite 302 Oakland, California 94612 (510) 834-4747 tel (510) 834-4199 fax | | by Bologe Have Rusit | | Analyses | Required | ntainers |
| Sampler Name(s): Tittory Klitche Sample ID Date |) Time Matrix Pres. | VOCS by Block | | | | Number of Containers |
| 1 7104 - GenEx-NS-5.0 111511 2 7104 - GenEx- Floor-10.0 1115113 | | XX | | | | 4 |
| | Tre | | | | | |
| | | | | | | |
| PROJECT INFORMATION | | RELINQUI | | | RECEIVED BY: | |
| Project Name: Park Antonie Cleaners Project Number: 13-945C Contact Person: Tiffany Klinker Crain Palcher E-mail: Liftan Rosser (1800) | | Signature | Fany Klikl | Ŷ | Signature Signature | B/7 |
| E-mail: - Many Conj Claige Inschul Contact Telephone: 510 - 934 - 4747 Report: Routine (Level 2) Level 3 Level 4 EDD | com | Time/Date | PIS 12 | 11/5/13 | Company Time/Date | 11/5/17 |
| TAT: 10-day 5-day 72-hr 48-hr (4-hr) Other: | | RELINQUI | | | RECEIVED BY: | |
| Special Instructions/Comments: * Sample containers include: one 2 or unpreserved glass jur One 40ml von wilmoot two 40ml von wilmoot | 24 Hour Rust | Printed Name Signature Company | е | | Printed Name Signature Company | |
| two 40ml USA w black water | | Time/Date | | | Time/Date | |

COOLER RECEIPT CHECKLIST



| Login# <u>250526</u> | Date Received | 11-5-13 | Number of coole | rs / |
|--|--|---|------------------------------------|---|
| Client IRIS | Proje | | | leaners |
| Date Opened <u>11-5-13</u> By Date Logged in <u>14/5/13</u> By | | (sign) (sign) | Fing Raik | 'en |
| Did cooler come with a ship Shipping info | pping slip (airbill, etc) | | | S (N) |
| 2A. Were custody seals preser How many 2B. Were custody seals intact 3. Were custody papers dry an 4. Were custody papers filled 5. Is the project identifiable fr 6. Indicate the packing in cool Bubble Wrap Cloth material | Name upon arrival? di intact when receive out properly (ink, sign com custody papers? (er: (if other, describe | d? | _ DateYESYESYES of form)YES | NO NO NO |
| 7. Temperature documentation Type of ice used: | Wet □ Blue/Gel | □None | ceeds 6°C Temp(°C) 3 | 9 |
| Samples Received of | on ice & cold without | a temperature bla | ank; temp. taken | with IR gun |
| ✓ Samples received on | n ice directly from the | field. Cooling p | rocess had begui | 1 |
| 8. Were Method 5035 sampling If YES, what time were 9. Did all bottles arrive unbrok 10. Are there any missing / ext 11. Are samples in the appropriate 12. Are sample labels present, 13. Do the sample labels agree 14. Was sufficient amount of state 15. Are the samples appropriate 16. Did you check preservative 17. Did you document your protate 18. Did you change the hold time 19. Did you change the hold time 19. Did you change the hold time 20. Are bubbles > 6mm absent 21. Was the client contacted con | riage containers present? e they transferred to fixen/unopened? tra samples? riate containers for incoming good condition and with custody papers? estable sent for tests restely preserved? dicated tests? dicated tests? dicated tests? dequested? equested? ech sample? served VOAs? rved terracores? delivery? | ISIS YES YES YES YES YES YES | YES NO YES NO YES NO YES NO N |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



| | Purgeable | Organics by GC/ | ′MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250526 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7104-GENEX-NS-5.0 | Diln Fac: | 0.9881 |
| Lab ID: | 250526-001 | Batch#: | 204747 |
| Matrix: | Soil | Sampled: | 11/05/13 |
| Units: | ug/Kg | Received: | 11/05/13 |
| Basis: | as received | Analyzed: | 11/05/13 |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND ND | 9.9 | |
| Chloromethane | ND | 9.9 | |
| Vinyl Chloride | ND | 9.9 | |
| Bromomethane | ND | 9.9 | |
| Chloroethane | ND | 9.9 | |
| Trichlorofluoromethane | ND | 4.9 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 4.9 | |
| 1,1-Dichloroethene | ND | 4.9 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 4.9 | |
| MTBE | ND | 4.9 | |
| trans-1,2-Dichloroethene | ND | 4.9 | |
| Vinyl Acetate | ND | 49 | |
| 1,1-Dichloroethane | ND | 4.9 | |
| 2-Butanone | ND | 9.9 | |
| cis-1,2-Dichloroethene | ND | 4.9 | |
| 2,2-Dichloropropane | ND | 4.9 | |
| Chloroform | ND | 4.9 | |
| Bromochloromethane | ND | 4.9 | |
| 1,1,1-Trichloroethane | ND | 4.9 | |
| 1,1-Dichloropropene | ND | 4.9 | |
| Carbon Tetrachloride | ND | 4.9 | |
| 1,2-Dichloroethane | ND | 4.9 | |
| Benzene | ND | 4.9 | |
| Trichloroethene | ND | 4.9 | |
| 1,2-Dichloropropane | ND | 4.9 | |
| Bromodichloromethane | ND | 4.9 | |
| Dibromomethane | ND | 4.9 | |
| 4-Methyl-2-Pentanone | ND | 9.9 | |
| cis-1,3-Dichloropropene | ND | 4.9 | |
| Toluene | ND | 4.9 | |
| trans-1,3-Dichloropropene | ND | 4.9 | |
| 1,1,2-Trichloroethane | ND | 4.9 | |
| 2-Hexanone | ND | 9.9 | |
| 1,3-Dichloropropane | ND | 4.9 | |
| Tetrachloroethene | 23 | 4.9 | |

ND= Not Detected RL= Reporting Limit

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3.0



| | Purgeable | Organics by GC/ | 'MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250526 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7104-GENEX-NS-5.0 | Diln Fac: | 0.9881 |
| Lab ID: | 250526-001 | Batch#: | 204747 |
| Matrix: | Soil | Sampled: | 11/05/13 |
| Units: | ug/Kg | Received: | 11/05/13 |
| Basis: | as received | Analyzed: | 11/05/13 |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.9 | |
| 1,2-Dibromoethane | ND | 4.9 | |
| Chlorobenzene | ND | 4.9 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 | |
| Ethylbenzene | ND | 4.9 | |
| m,p-Xylenes | ND | 4.9 | |
| o-Xylene | ND | 4.9 | |
| Styrene | ND | 4.9 | |
| Bromoform | ND | 4.9 | |
| Isopropylbenzene | ND | 4.9 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 | |
| 1,2,3-Trichloropropane | ND | 4.9 | |
| Propylbenzene | ND | 4.9 | |
| Bromobenzene | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | ND | 4.9 | |
| 2-Chlorotoluene | ND | 4.9 | |
| 4-Chlorotoluene | ND | 4.9 | |
| tert-Butylbenzene | ND | 4.9 | |
| 1,2,4-Trimethylbenzene | ND | 4.9 | |
| sec-Butylbenzene | ND | 4.9 | |
| para-Isopropyl Toluene | ND | 4.9 | |
| 1,3-Dichlorobenzene | ND | 4.9 | |
| 1,4-Dichlorobenzene | ND | 4.9 | |
| n-Butylbenzene | ND | 4.9 | |
| 1,2-Dichlorobenzene | ND | 4.9 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 | |
| 1,2,4-Trichlorobenzene | ND | 4.9 | |
| Hexachlorobutadiene | ND | 4.9 | |
| Naphthalene | ND | 4.9 | |
| 1,2,3-Trichlorobenzene | ND | 4.9 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 96 | 80-124 | |
| 1,2-Dichloroethane-d4 | 112 | 80-137 | |
| Toluene-d8 | 101 | 80-120 | |
| Bromofluorobenzene | 100 | 79-127 | |

RL= Reporting Limit



| | Purgeable (| Organics by GC/ | /MS |
|-----------|-----------------------|-----------------|--------------------|
| Lab #: | 250526 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7104-GENEX-FLOOR-10.0 | Diln Fac: | 0.9398 |
| Lab ID: | 250526-002 | Batch#: | 204747 |
| Matrix: | Soil | Sampled: | 11/05/13 |
| Units: | ug/Kg | Received: | 11/05/13 |
| Basis: | as received | Analyzed: | 11/05/13 |

| Preon 12 | No a Torris a | D | D. | |
|--|--------------------------|--------|-----|--|
| Chloromethane ND 9.4 Vinyl Chloride ND 9.4 Bromomethane ND 9.4 Chloroethane ND 9.4 Chloroethane ND 9.4 Trichlorofluoromethane ND 4.7 Acetone ND 4.7 Freon 113 ND 4.7 Mcthylene Chloride ND 4.7 Methylene Chloride ND 4.7 Methylene Chloride ND 4.7 MTBE ND 4.7 Carbon Disulfide ND 4.7 MTBE ND 4.7 Trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 4.7 Vinyl Acetate ND 4.7 1,1-Dichloroethane ND 4.7 2-Butanone ND 4.7 cis-1,2-Dichloroethane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 | Analyte | Result | RL | |
| Vinyl Chloride ND 9.4 Bromomethane ND 9.4 Chloroethane ND 9.4 Trichlorofluoromethane ND 4.7 Acetone ND 19 Freon 113 ND 4.7 1,1-Dichloroethene ND 4.7 Methylene Chloride ND 4.7 Carbon Disulfide ND 4.7 MTBE ND 4.7 trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 4.7 Vinyl Ace | | | | |
| Bromomethane | | | | |
| Chloroethane ND 9.4 Trichlorofluoromethane ND 4.7 Acetone ND 19 Freon 113 ND 4.7 1,1-Dichloroethene ND 4.7 Methylene Chloride ND 19 Carbon Disulfide ND 4.7 MTBE ND 4.7 trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 4.7 JDichloroethane ND 4.7 J-L-Di | <u> </u> | | | |
| Trichlorofluoromethane | | | | |
| Acetone | | | | |
| Freon 113 | | | | |
| 1,1-Dichloroethene | | ND | | |
| Methylene Chloride ND 4.7 Carbon Disulfide ND 4.7 MTBE ND 4.7 trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 4.7 1,1-Dichloroethane ND 4.7 2-Butanone ND 4.7 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethane ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 Dibromomethane ND 4.7 Cis-1,3-Dichloropropene ND | | ND | | |
| Carbon Disulfide ND 4.7 MTBE ND 4.7 trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 47 1,1-Dichloroethane ND 4.7 2-Butanone ND 9.4 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Bromodichloromethane ND 4.7 4-Methyl-2-Pentanone ND 4.7 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 1,1,2-Trichloroethane | | ND | 4.7 | |
| MTBE ND 4.7 trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 47 1,1-Dichloroethane ND 4.7 2-Butanone ND 4.7 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 I,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 1,2-Dichloroethane ND 4.7 Renzene ND 4.7 Trichloroethene ND 4.7 I,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Bromodichloromethane ND 4.7 I-Methyl-2-Pentanone ND 4.7 I-Methyl-2-Pentanone ND 4.7 Toluene ND 4.7 I-Methyl-2-Pentanone ND 4.7 I-Methyl-2-Pentanone ND <td>Methylene Chloride</td> <td>ND</td> <td>19</td> <td></td> | Methylene Chloride | ND | 19 | |
| trans-1,2-Dichloroethene ND 4.7 Vinyl Acetate ND 47 1,1-Dichloroethane ND 4.7 2-Butanone ND 9.4 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Bromodichloromethane ND 4.7 4-Methyl-2-Pentanone ND 4.7 4-Methyl-2-Pentanone ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 4.7 1,3-Dichloropropane ND 4.7 | Carbon Disulfide | ND | 4.7 | |
| Vinyl Acetate ND 47 1,1-Dichloroethane ND 4.7 2-Butanone ND 9.4 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 Trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 4.7 | MTBE | ND | 4.7 | |
| 1,1-Dichloroethane ND 4.7 2-Butanone ND 9.4 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | trans-1,2-Dichloroethene | ND | 4.7 | |
| 2-Butanone ND 9.4 cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Promodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | Vinyl Acetate | ND | 47 | |
| cis-1,2-Dichloroethene ND 4.7 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | 1,1-Dichloroethane | ND | 4.7 | |
| 2,2-Dichloropropane ND 4.7 Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 | 2-Butanone | ND | 9.4 | |
| Chloroform ND 4.7 Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 | cis-1,2-Dichloroethene | ND | 4.7 | |
| Bromochloromethane ND 4.7 1,1,1-Trichloroethane ND 4.7 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 Trichloropropane ND 4.7 Bromodichloromethane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 L-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 Trans-1,3-Dichloropropene ND 4.7 L-Mexanone ND 9.4 | 2,2-Dichloropropane | ND | 4.7 | |
| 1,1,1-TrichloroethaneND4.71,1-DichloropropeneND4.7Carbon TetrachlorideND4.71,2-DichloroethaneND4.7BenzeneND4.7TrichloroetheneND4.71,2-DichloropropaneND4.7BromodichloromethaneND4.7DibromomethaneND4.74-Methyl-2-PentanoneND9.4cis-1,3-DichloropropeneND4.7TolueneND4.7trans-1,3-DichloropropeneND4.71,1,2-TrichloroethaneND4.72-HexanoneND9.41,3-DichloropropaneND9.4 | Chloroform | ND | 4.7 | |
| 1,1-Dichloropropene ND 4.7 Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 Trichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 Dibromomethane ND 4.7 T-Hethyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 L1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 1,3-Dichloropropane ND 9.4 | Bromochloromethane | ND | 4.7 | |
| Carbon Tetrachloride ND 4.7 1,2-Dichloroethane ND 4.7 Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 1,3-Dichloropropane ND 4.7 | 1,1,1-Trichloroethane | ND | 4.7 | |
| 1,2-DichloroethaneND4.7BenzeneND4.7TrichloroetheneND4.71,2-DichloropropaneND4.7BromodichloromethaneND4.7DibromomethaneND4.74-Methyl-2-PentanoneND9.4cis-1,3-DichloropropeneND4.7TolueneND4.7trans-1,3-DichloropropeneND4.71,1,2-TrichloroethaneND4.72-HexanoneND9.41,3-DichloropropaneND9.41,3-DichloropropaneND4.7 | 1,1-Dichloropropene | ND | 4.7 | |
| Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | Carbon Tetrachloride | ND | 4.7 | |
| Benzene ND 4.7 Trichloroethene ND 4.7 1,2-Dichloropropane ND 4.7 Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | 1,2-Dichloroethane | ND | 4.7 | |
| 1,2-DichloropropaneND4.7BromodichloromethaneND4.7DibromomethaneND4.74-Methyl-2-PentanoneND9.4cis-1,3-DichloropropeneND4.7TolueneND4.7trans-1,3-DichloropropeneND4.71,1,2-TrichloroethaneND4.72-HexanoneND9.41,3-DichloropropaneND4.7 | Benzene | ND | 4.7 | |
| Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 | Trichloroethene | ND | 4.7 | |
| Bromodichloromethane ND 4.7 Dibromomethane ND 4.7 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 9.4 | 1,2-Dichloropropane | ND | 4.7 | |
| 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | | ND | 4.7 | |
| 4-Methyl-2-Pentanone ND 9.4 cis-1,3-Dichloropropene ND 4.7 Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | Dibromomethane | ND | 4.7 | |
| cis-1,3-DichloropropeneND4.7TolueneND4.7trans-1,3-DichloropropeneND4.71,1,2-TrichloroethaneND4.72-HexanoneND9.41,3-DichloropropaneND4.7 | 4-Methyl-2-Pentanone | ND | | |
| Toluene ND 4.7 trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | _ | | | |
| trans-1,3-Dichloropropene ND 4.7 1,1,2-Trichloroethane ND 4.7 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | | | | |
| 1,1,2-TrichloroethaneND4.72-HexanoneND9.41,3-DichloropropaneND4.7 | | | | |
| 2-Hexanone ND 9.4 1,3-Dichloropropane ND 4.7 | | | | |
| 1,3-Dichloropropane ND 4.7 | | | | |
| | | | | |
| | Tetrachloroethene | 22 | 4.7 | |

RL= Reporting Limit



| | Purgeable (| Organics by GC/ | /MS |
|-----------|-----------------------|-----------------|--------------------|
| Lab #: | 250526 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Field ID: | 7104-GENEX-FLOOR-10.0 | Diln Fac: | 0.9398 |
| Lab ID: | 250526-002 | Batch#: | 204747 |
| Matrix: | Soil | Sampled: | 11/05/13 |
| Units: | ug/Kg | Received: | 11/05/13 |
| Basis: | as received | Analyzed: | 11/05/13 |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 4.7 | |
| 1,2-Dibromoethane | ND | 4.7 | |
| Chlorobenzene | ND | 4.7 | |
| 1,1,1,2-Tetrachloroethane | ND | 4.7 | |
| Ethylbenzene | ND | 4.7 | |
| m,p-Xylenes | ND | 4.7 | |
| o-Xylene | ND | 4.7 | |
| Styrene | ND | 4.7 | |
| Bromoform | ND | 4.7 | |
| Isopropylbenzene | ND | 4.7 | |
| 1,1,2,2-Tetrachloroethane | ND | 4.7 | |
| 1,2,3-Trichloropropane | ND | 4.7 | |
| Propylbenzene | ND | 4.7 | |
| Bromobenzene | ND | 4.7 | |
| 1,3,5-Trimethylbenzene | ND | 4.7 | |
| 2-Chlorotoluene | ND | 4.7 | |
| 4-Chlorotoluene | ND | 4.7 | |
| tert-Butylbenzene | ND | 4.7 | |
| 1,2,4-Trimethylbenzene | ND | 4.7 | |
| sec-Butylbenzene | ND | 4.7 | |
| para-Isopropyl Toluene | ND | 4.7 | |
| 1,3-Dichlorobenzene | ND | 4.7 | |
| 1,4-Dichlorobenzene | ND | 4.7 | |
| n-Butylbenzene | ND | 4.7 | |
| 1,2-Dichlorobenzene | ND | 4.7 | |
| 1,2-Dibromo-3-Chloropropane | ND | 4.7 | |
| 1,2,4-Trichlorobenzene | ND | 4.7 | |
| Hexachlorobutadiene | ND | 4.7 | |
| Naphthalene | ND | 4.7 | |
| 1,2,3-Trichlorobenzene | ND | 4.7 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 100 | 80-124 | |
| 1,2-Dichloroethane-d4 | 114 | 80-137 | |
| Toluene-d8 | 102 | 80-120 | |
| Bromofluorobenzene | 99 | 79-127 | |

RL= Reporting Limit



| | Purgeable | Organics by GC/ | 'MS |
|-----------|--------------------|-----------------|--------------------|
| Lab #: | 250526 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | EPA 5035 |
| Project#: | 13-945C | Analysis: | EPA 8260B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC714833 | Batch#: | 204747 |
| Matrix: | Soil | Analyzed: | 11/05/13 |
| Units: | ug/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|--------------------|--------|--------|------|--------|
| 1,1-Dichloroethene | 25.00 | 23.93 | 96 | 67-132 |
| Benzene | 25.00 | 24.75 | 99 | 77-126 |
| Trichloroethene | 25.00 | 25.75 | 103 | 76-127 |
| Toluene | 25.00 | 25.55 | 102 | 76-124 |
| Chlorobenzene | 25.00 | 27.09 | 108 | 76-120 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 96 | 80-124 | |
| 1,2-Dichloroethane-d4 | 105 | 80-137 | |
| Toluene-d8 | 102 | 80-120 | |
| Bromofluorobenzene | 97 | 79-127 | |

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| Purgeable Organics by GC/MS | | | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|--|--|
| Lab #: | 250526 | Location: | Park Ave. Cleaners | | | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | | | |
| Lab ID: | QC714834 | Batch#: | 204747 | | | | | |
| Matrix: | Soil | Analyzed: | 11/05/13 | | | | | |
| Units: | ug/Kg | | | | | | | |

| Analyte | Result | RL | |
|---------------------------|--------|-----|--|
| Freon 12 | ND | 10 | |
| Chloromethane | ND | 10 | |
| Vinyl Chloride | ND | 10 | |
| Bromomethane | ND | 10 | |
| Chloroethane | ND | 10 | |
| Trichlorofluoromethane | ND | 5.0 | |
| Acetone | ND | 20 | |
| Freon 113 | ND | 5.0 | |
| 1,1-Dichloroethene | ND | 5.0 | |
| Methylene Chloride | ND | 20 | |
| Carbon Disulfide | ND | 5.0 | |
| MTBE | ND | 5.0 | |
| trans-1,2-Dichloroethene | ND | 5.0 | |
| Vinyl Acetate | ND | 50 | |
| 1,1-Dichloroethane | ND | 5.0 | |
| 2-Butanone | ND | 10 | |
| cis-1,2-Dichloroethene | ND | 5.0 | |
| 2,2-Dichloropropane | ND | 5.0 | |
| Chloroform | ND | 5.0 | |
| Bromochloromethane | ND | 5.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | |
| 1,1-Dichloropropene | ND | 5.0 | |
| Carbon Tetrachloride | ND | 5.0 | |
| 1,2-Dichloroethane | ND | 5.0 | |
| Benzene | ND | 5.0 | |
| Trichloroethene | ND | 5.0 | |
| 1,2-Dichloropropane | ND | 5.0 | |
| Bromodichloromethane | ND | 5.0 | |
| Dibromomethane | ND | 5.0 | |
| 4-Methyl-2-Pentanone | ND | 10 | |
| cis-1,3-Dichloropropene | ND | 5.0 | |
| Toluene | ND | 5.0 | |
| trans-1,3-Dichloropropene | ND | 5.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | |
| 2-Hexanone | ND | 10 | |
| 1,3-Dichloropropane | ND | 5.0 | |
| Tetrachloroethene | ND | 5.0 | |

ND= Not Detected

RL= Reporting Limit



| Purgeable Organics by GC/MS | | | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|--|--|
| Lab #: | 250526 | Location: | Park Ave. Cleaners | | | | | |
| Client: | Iris Environmental | Prep: | EPA 5035 | | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | | |
| Type: | BLANK | Diln Fac: | 1.000 | | | | | |
| Lab ID: | QC714834 | Batch#: | 204747 | | | | | |
| Matrix: | Soil | Analyzed: | 11/05/13 | | | | | |
| Units: | ug/Kg | | | | | | | |

| Analyte | Result | RL | |
|-----------------------------|--------|-----|--|
| Dibromochloromethane | ND | 5.0 | |
| 1,2-Dibromoethane | ND | 5.0 | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 99 | 80-124 | |
| 1,2-Dichloroethane-d4 | 108 | 80-137 | |
| Toluene-d8 | 104 | 80-120 | |
| Bromofluorobenzene | 98 | 79-127 | |

ND= Not Detected

RL= Reporting Limit

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| Purgeable Organics by GC/MS | | | | | | | |
|-----------------------------|--------------------|-----------|--------------------|--|--|--|--|
| Lab #: | 250526 | Location: | Park Ave. Cleaners | | | | |
| Client: | Iris Environmental | Prep: | EPA 5030B | | | | |
| Project#: | 13-945C | Analysis: | EPA 8260B | | | | |
| Field ID: | ZZZZZZZZZ | Batch#: | 204747 | | | | |
| MSS Lab ID: | 250476-001 | Sampled: | 10/31/13 | | | | |
| Matrix: | Soil | Received: | 11/04/13 | | | | |
| Units: | ug/Kg | Analyzed: | 11/05/13 | | | | |
| Basis: | as received | | | | | | |

Type: MS Diln Fac: 0.9311

Lab ID: QC714835

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|--------------------|------------|--------|--------|------|--------|
| 1,1-Dichloroethene | <0.5756 | 46.55 | 43.23 | 93 | 52-132 |
| Benzene | <0.6707 | 46.55 | 44.89 | 96 | 54-121 |
| Trichloroethene | <0.6985 | 46.55 | 46.98 | 101 | 46-138 |
| Toluene | <0.7346 | 46.55 | 44.81 | 96 | 47-120 |
| Chlorobenzene | <0.6022 | 46.55 | 44.84 | 96 | 41-120 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 99 | 80-124 | |
| 1,2-Dichloroethane-d4 | 111 | 80-137 | |
| Toluene-d8 | 103 | 80-120 | |
| Bromofluorobenzene | 96 | 79-127 | |

Type: MSD Diln Fac: 0.9398

Lab ID: QC714836

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|--------------------|--------|--------|------|--------|-----|-----|
| 1,1-Dichloroethene | 46.99 | 42.91 | 91 | 52-132 | 2 | 46 |
| Benzene | 46.99 | 44.48 | 95 | 54-121 | 2 | 43 |
| Trichloroethene | 46.99 | 45.68 | 97 | 46-138 | 4 | 50 |
| Toluene | 46.99 | 43.83 | 93 | 47-120 | 3 | 53 |
| Chlorobenzene | 46.99 | 44.44 | 95 | 41-120 | 2 | 50 |

| Surrogate | %REC | Limits | |
|-----------------------|------|--------|--|
| Dibromofluoromethane | 101 | 80-124 | |
| 1,2-Dichloroethane-d4 | 109 | 80-137 | |
| Toluene-d8 | 101 | 80-120 | |
| Bromofluorobenzene | 93 | 79-127 | |





Oakland, CA 94612

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 249693 ANALYTICAL REPORT

Project : 13-945C Iris Environmental

1438 Webster Street Location : Park Avenue Cleaners

Level : II

| Sample ID | <u>Lab ID</u> |
|-----------|---------------|
| SS-04 | 249693-001 |
| SS-05 | 249693-002 |
| X-DUP | 249693-003 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA

Date: <u>10/15/2013</u>



CASE NARRATIVE

Laboratory number: 249693

Client: Iris Environmental

Project: 13-945C

Location: Park Avenue Cleaners

Request Date: 10/08/13 Samples Received: 10/08/13

This data package contains sample and QC results for three air samples, requested for the above referenced project on 10/08/13. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):

No analytical problems were encountered.

| | IRIS ENVIRONMENTAL 1438 Webster Street, Suite 302 | CHAII | V-OF-(| CUSTO | DY | | Date | :(019 | 8 1 | Z .: | | · . | *************************************** | | | Nº | 00 | 3652 | 2 |
|----------|---|------------|--------|---|-------|----------|--|------------------|-------------|--------------|----------|------------|---|---------|---|----------|------|-------------|----------------------|
| | Oakland, California 94612 (510) 834-4747 tel (510) 834-4199 fax | | | | | | | * | | | Ana | lyses ਹ | Requ | uired | | | | | ntainers |
| s | ampler Name(s): Sign | nature(s): | > | | | 10-15 | | C. W. TAC | | | 子いなら | assayd You | | | | | | | Number of Containers |
| | ample ID | Date | Time | Matrix | Pres. | 1 | | 0 | | | 14 | 中 | | | | | | | ₽Ž |
| 니. | 55-04 | 10/8/13 | Oberto | V | | X | | 00 | 11- | 1 | -30 | 1-4 | | | | | | | 1 |
| 2 | 55-05 | 10/8/13 | C6141 | V | | X | | est e | 301 | المالم | 1-20 | 17 | | | | | | | |
| 3 | X-DUP | 10/8/13 | | V | | | | (D) | | | 13,5 | -5 | | | | | | | + '- |
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| Р | ROJECT INFORMATION | | | <u> </u> | | RELI | NQUI | SHED BY: | | | <u> </u> | | REC | EIVED | BY: | | | | |
| P | roject Name: PARIC ALENCE CLI | HNERS | | | | Printe | d Name | BILL | (1) | . 0 | | | Drint | nd Nome | | | | | |
| | roject Number: 13-945 C | | | *************************************** | | Signal | ture | DIII | CY | un | | | | 4+ | Go | nzo | le : | | |
| | ontact Person: CRATE PELLETT | | | | | Signat | To the same of the | | > | | \ | | Signa | 7 | و - | 100 | • | 1 | |
| 1 | mail: CRAIS @IRIS ENV | | | | | Comp | any | 74 34 0 | | W=11 | TAI | , | Com | pariy | | | 7 | | |
| _ | ontact Telephone: (ちい) ちョサームチ | | | | | Time/I | | ENVI | | | | | Time | (Date | 1_/ | <i>'</i> | | | |
| _ | eport: Routine (Level 2) Level 3 Level 4 E | | | | | | | 105 | /1 | 0/8/ | 13 | | 10 | /Date | 1-3 | / | 1:0 | 15 | |
| | TAT: 10-day 5-day 72-hr 48-hr ,24-hr Other: | | | RELI | | SHED BY: | | | | | REC | EIVED | BY: | | <u>. </u> | | | | |
| <u>S</u> | pecial Instructions/Comments: | | | | | Printe | d Name | • | | | | | Printe | ed Name | | | | | |
| | | | | | | Signat | ture | | | | | | Signa | ature | | | | | |
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| | | | | | | Comp | any | | | | - | | Com | pany | | | | | |
| | | | | | | Time/[| Date | | | | | | Time | /Date | | | | | |
| <u> </u> | | | | | | | | · | | | | | | | | | | | |

COOLER RECEIPT CHECKLIST



| Login # 649693 Date Received 10/8/13 Number of coolers |
|--|
| Client IRIS Project PARK AVENUE CLEANERS (13-945C) |
| |
| Date Opened 10/8/13 By (print) 1R (sign) Imakaikan Date Logged in 1 By (print) 1 (sign) 1 |
| Date Logged in J By (print) (sign) |
| 1. Did cooler come with a shipping slip (airbill, etc)YES (NO) |
| Shipping info |
| 2A. Were custody seals present? YES (circle) on cooler on samples NO |
| How many Name Date |
| 2B. Were custody seals intact upon arrival?YES NO (I/A) |
| 3. Were custody papers dry and intact when received? NO |
| 4. Were custody papers filled out properly (ink, signed, etc)? YES NO |
| 5. Is the project identifiable from custody papers? (If so fill out top of form) (IES) NO |
| 6. Indicate the packing in cooler: (if other, describe) |
| ☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None |
| Cloth material Cardboard Styrofoam Paper towels |
| 7. Temperature documentation: * Notify PM if temperature exceeds 6°C |
| Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None Temp(°C) |
| ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun |
| ☐ Samples received on ice directly from the field. Cooling process had begun |
| |
| 8. Were Method 5035 sampling containers present? YES NO |
| If YES, what time were they transferred to freezer? |
| 9. Did all bottles arrive unbroken/unopened? 10. Are there any missing / extra samples? YES NO |
| 11 A 1 1 1 1 |
| |
| 14 110 the companie interior - 111 11 11 11 |
| 14 Was sufficient assume C |
| |
| 16 Did you also also many months C 11.1 at 1 C |
| |
| 10 D'1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 18. Did you change the hold time in LIMS for unpreserved VOAs?YES NO WA |
| 19. Did you-change the hold time in LIMS for preserved terracores? YES NO NA |
| 20. Are bubbles > 6mm absent in VOA samples?YES NO WA |
| 21. Was the client contacted concerning this sample delivery? YES NO |
| If YES, Who was called?ByDate: |
| COMMENTS |
| |
| |
| |
| |
| |
| |



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|-----------|----------------------|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Field ID: | SS-04 | Diln Fac: | 1.710 | |
| Lab ID: | 249693-001 | Batch#: | 203937 | |
| Matrix: | Air | Sampled: | 10/08/13 | |
| Units (V): | ppbv | Received: | 10/08/13 | |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 | |

| Analyte | Result (V) | RL | Result (| M) RL |
|--------------------------|------------|------|----------|-------|
| Freon 12 | ND | 0.86 | ND | 4.2 |
| Freon 114 | ND | 0.86 | ND | 6.0 |
| Chloromethane | ND | 0.86 | ND | 1.8 |
| Vinyl Chloride | ND | 0.86 | ND | 2.2 |
| 1,3-Butadiene | ND | 0.86 | ND | 1.9 |
| Bromomethane | ND | 0.86 | ND | 3.3 |
| Chloroethane | ND | 0.86 | ND | 2.3 |
| Trichlorofluoromethane | ND | 0.86 | ND | 4.8 |
| Acrolein | ND | 3.4 | ND | 7.8 |
| 1,1-Dichloroethene | ND | 0.86 | ND | 3.4 |
| Freon 113 | ND | 0.86 | ND | 6.6 |
| Acetone | 7.2 | 3.4 | 17 | 8.1 |
| Carbon Disulfide | ND | 0.86 | ND | 2.7 |
| Methylene Chloride | 2.9 | 0.86 | 10 | 3.0 |
| trans-1,2-Dichloroethene | ND | 0.86 | ND | 3.4 |
| MTBE | ND | 0.86 | ND | 3.1 |
| n-Hexane | ND | 0.86 | ND | 3.0 |
| 1,1-Dichloroethane | ND | 0.86 | ND | 3.5 |
| Vinyl Acetate | ND | 0.86 | ND | 3.0 |
| cis-1,2-Dichloroethene | ND | 0.86 | ND | 3.4 |
| 2-Butanone | ND | 0.86 | ND | 2.5 |
| Ethyl Acetate | ND | 0.86 | ND | 3.1 |
| Tetrahydrofuran | ND | 0.86 | ND | 2.5 |
| Chloroform | 14 | 0.86 | 67 | 4.2 |
| 1,1,1-Trichloroethane | ND | 0.86 | ND | 4.7 |
| Cyclohexane | ND | 0.86 | ND | 2.9 |
| Carbon Tetrachloride | ND | 0.86 | ND | 5.4 |
| Benzene | ND | 0.86 | ND | 2.7 |
| 1,2-Dichloroethane | ND | 0.86 | ND | 3.5 |
| n-Heptane | ND | 0.86 | ND | 3.5 |
| Trichloroethene | 1.6 | 0.86 | 8.7 | 4.6 |
| 1,2-Dichloropropane | ND | 0.86 | ND | 4.0 |
| Bromodichloromethane | 2.5 | 0.86 | 16 | 5.7 |
| cis-1,3-Dichloropropene | ND | 0.86 | ND | 3.9 |
| 4-Methyl-2-Pentanone | ND | 0.86 | ND | 3.5 |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|-----------|----------------------|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Field ID: | SS-04 | Diln Fac: | 1.710 | |
| Lab ID: | 249693-001 | Batch#: | 203937 | |
| Matrix: | Air | Sampled: | 10/08/13 | |
| Units (V): | ppbv | Received: | 10/08/13 | |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 | |

| Analyte | Result (V) | RL | Result | (M) RL |
|---------------------------|------------|------|--------|--------|
| Toluene | ND | 0.86 | ND | 3.2 |
| trans-1,3-Dichloropropene | ND | 0.86 | ND | 3.9 |
| 1,1,2-Trichloroethane | ND | 0.86 | ND | 4.7 |
| Tetrachloroethene | 21 | 0.86 | 140 | 5.8 |
| 2-Hexanone | ND | 0.86 | ND | 3.5 |
| Dibromochloromethane | 2.4 | 0.86 | 20 | 7.3 |
| 1,2-Dibromoethane | ND | 0.86 | ND | 6.6 |
| Chlorobenzene | ND | 0.86 | ND | 3.9 |
| Ethylbenzene | ND | 0.86 | ND | 3.7 |
| m,p-Xylenes | ND | 0.86 | ND | 3.7 |
| o-Xylene | ND | 0.86 | ND | 3.7 |
| Styrene | ND | 0.86 | ND | 3.6 |
| Bromoform | ND | 0.86 | ND | 8.8 |
| 1,1,2,2-Tetrachloroethane | ND | 0.86 | ND | 5.9 |
| 4-Ethyltoluene | ND | 0.86 | ND | 4.2 |
| 1,3,5-Trimethylbenzene | ND | 0.86 | ND | 4.2 |
| 1,2,4-Trimethylbenzene | ND | 0.86 | ND | 4.2 |
| 1,3-Dichlorobenzene | ND | 0.86 | ND | 5.1 |
| 1,4-Dichlorobenzene | ND | 0.86 | ND | 5.1 |
| Benzyl chloride | ND | 0.86 | ND | 4.4 |
| 1,2-Dichlorobenzene | ND | 0.86 | ND | 5.1 |
| 1,2,4-Trichlorobenzene | ND | 0.86 | ND | 6.3 |
| Hexachlorobutadiene | ND | 0.86 | ND | 9.1 |
| Naphthalene | ND | 3.4 | ND | 18 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 101 | 70-130 | |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| | Volatile Or | ganics in Air | |
|------------|--------------------|---------------|----------------------|
| Lab #: | 249693 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-05 | Diln Fac: | 20.16 |
| Lab ID: | 249693-002 | Batch#: | 203937 |
| Matrix: | Air | Sampled: | 10/08/13 |
| Units (V): | ppbv | Received: | 10/08/13 |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|----|--------|--------|
| Freon 12 | ND | 10 | ND | 50 |
| Freon 114 | ND | 10 | ND | 70 |
| Chloromethane | ND | 10 | ND | 21 |
| Vinyl Chloride | ND | 10 | ND | 26 |
| 1,3-Butadiene | ND | 10 | ND | 22 |
| Bromomethane | ND | 10 | ND | 39 |
| Chloroethane | ND | 10 | ND | 27 |
| Trichlorofluoromethane | ND | 10 | ND | 57 |
| Acrolein | ND | 40 | ND | 92 |
| 1,1-Dichloroethene | ND | 10 | ND | 40 |
| Freon 113 | ND | 10 | ND | 77 |
| Acetone | ND | 40 | ND | 96 |
| Carbon Disulfide | ND | 10 | ND | 31 |
| Methylene Chloride | ND | 10 | ND | 35 |
| trans-1,2-Dichloroethene | ND | 10 | ND | 40 |
| MTBE | ND | 10 | ND | 36 |
| n-Hexane | ND | 10 | ND | 36 |
| 1,1-Dichloroethane | ND | 10 | ND | 41 |
| Vinyl Acetate | ND | 10 | ND | 35 |
| cis-1,2-Dichloroethene | ND | 10 | ND | 40 |
| 2-Butanone | ND | 10 | ND | 30 |
| Ethyl Acetate | ND | 10 | ND | 36 |
| Tetrahydrofuran | ND | 10 | ND | 30 |
| Chloroform | ND | 10 | ND | 49 |
| 1,1,1-Trichloroethane | ND | 10 | ND | 55 |
| Cyclohexane | ND | 10 | ND | 35 |
| Carbon Tetrachloride | ND | 10 | ND | 63 |
| Benzene | ND | 10 | ND | 32 |
| 1,2-Dichloroethane | ND | 10 | ND | 41 |
| n-Heptane | ND | 10 | ND | 41 |
| Trichloroethene | ND | 10 | ND | 54 |
| 1,2-Dichloropropane | ND | 10 | ND | 47 |
| Bromodichloromethane | ND | 10 | ND | 68 |
| cis-1,3-Dichloropropene | ND | 10 | ND | 46 |
| 4-Methyl-2-Pentanone | ND | 10 | ND | 41 |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|----------------------|
| Lab #: | 249693 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-05 | Diln Fac: | 20.16 |
| Lab ID: | 249693-002 | Batch#: | 203937 |
| Matrix: | Air | Sampled: | 10/08/13 |
| Units (V): | ppbv | Received: | 10/08/13 |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 |

| Analyte | Result (V) | RL | Result (| M) RL |
|---------------------------|------------|----|----------|-------|
| Toluene | ND | 10 | ND | 38 |
| trans-1,3-Dichloropropene | ND | 10 | ND | 46 |
| 1,1,2-Trichloroethane | ND | 10 | ND | 55 |
| Tetrachloroethene | 1,200 | 10 | 8,200 | 68 |
| 2-Hexanone | ND | 10 | ND | 41 |
| Dibromochloromethane | ND | 10 | ND | 86 |
| 1,2-Dibromoethane | ND | 10 | ND | 77 |
| Chlorobenzene | ND | 10 | ND | 46 |
| Ethylbenzene | ND | 10 | ND | 44 |
| m,p-Xylenes | ND | 10 | ND | 44 |
| o-Xylene | ND | 10 | ND | 44 |
| Styrene | ND | 10 | ND | 43 |
| Bromoform | ND | 10 | ND | 100 |
| 1,1,2,2-Tetrachloroethane | ND | 10 | ND | 69 |
| 4-Ethyltoluene | ND | 10 | ND | 50 |
| 1,3,5-Trimethylbenzene | ND | 10 | ND | 50 |
| 1,2,4-Trimethylbenzene | ND | 10 | ND | 50 |
| 1,3-Dichlorobenzene | ND | 10 | ND | 61 |
| 1,4-Dichlorobenzene | ND | 10 | ND | 61 |
| Benzyl chloride | ND | 10 | ND | 52 |
| 1,2-Dichlorobenzene | ND | 10 | ND | 61 |
| 1,2,4-Trichlorobenzene | ND | 10 | ND | 75 |
| Hexachlorobutadiene | ND | 10 | ND | 110 |
| Naphthalene | ND | 40 | ND | 210 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 103 | 70-130 | |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| | Volatil | e Organics in Ai | .r |
|------------|--------------------|------------------|----------------------|
| Lab #: | 249693 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | X-DUP | Diln Fac: | 1.720 |
| Lab ID: | 249693-003 | Batch#: | 203937 |
| Matrix: | Air | Sampled: | 10/08/13 |
| Units (V): | ppbv | Received: | 10/08/13 |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 |

| Analyte | Result | (V) | RL | Result (M) | RL |
|--------------------------|--------|-----|------|------------|-----|
| Freon 12 | ND | | 0.86 | ND | 4.3 |
| Freon 114 | ND | | 0.86 | ND | 6.0 |
| Chloromethane | ND | | 0.86 | ND | 1.8 |
| Vinyl Chloride | ND | | 0.86 | ND | 2.2 |
| 1,3-Butadiene | ND | | 0.86 | ND | 1.9 |
| Bromomethane | ND | | 0.86 | ND | 3.3 |
| Chloroethane | ND | | 0.86 | ND | 2.3 |
| Trichlorofluoromethane | ND | | 0.86 | ND | 4.8 |
| Acrolein | ND | | 3.4 | ND | 7.9 |
| 1,1-Dichloroethene | ND | | 0.86 | ND | 3.4 |
| Freon 113 | ND | | 0.86 | ND | 6.6 |
| Acetone | | 4.5 | 3.4 | 11 | 8.2 |
| Carbon Disulfide | ND | | 0.86 | ND | 2.7 |
| Methylene Chloride | | 3.0 | 0.86 | 10 | 3.0 |
| trans-1,2-Dichloroethene | ND | | 0.86 | ND | 3.4 |
| MTBE | ND | | 0.86 | ND | 3.1 |
| n-Hexane | ND | | 0.86 | ND | 3.0 |
| 1,1-Dichloroethane | ND | | 0.86 | ND | 3.5 |
| Vinyl Acetate | ND | | 0.86 | ND | 3.0 |
| cis-1,2-Dichloroethene | ND | | 0.86 | ND | 3.4 |
| 2-Butanone | ND | | 0.86 | ND | 2.5 |
| Ethyl Acetate | ND | | 0.86 | ND | 3.1 |
| Tetrahydrofuran | ND | | 0.86 | ND | 2.5 |
| Chloroform | 1 | .4 | 0.86 | 69 | 4.2 |
| 1,1,1-Trichloroethane | ND | | 0.86 | ND | 4.7 |
| Cyclohexane | ND | | 0.86 | ND | 3.0 |
| Carbon Tetrachloride | ND | | 0.86 | ND | 5.4 |
| Benzene | ND | | 0.86 | ND | 2.7 |
| 1,2-Dichloroethane | ND | | 0.86 | ND | 3.5 |
| n-Heptane | ND | | 0.86 | ND | 3.5 |
| Trichloroethene | | 2.3 | 0.86 | 13 | 4.6 |
| 1,2-Dichloropropane | ND | | 0.86 | ND | 4.0 |
| Bromodichloromethane | | 2.4 | 0.86 | 16 | 5.8 |
| cis-1,3-Dichloropropene | ND | | 0.86 | ND | 3.9 |
| 4-Methyl-2-Pentanone | ND | | 0.86 | ND | 3.5 |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|----------------------|
| Lab #: | 249693 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | X-DUP | Diln Fac: | 1.720 |
| Lab ID: | 249693-003 | Batch#: | 203937 |
| Matrix: | Air | Sampled: | 10/08/13 |
| Units (V): | ppbv | Received: | 10/08/13 |
| Units (M): | ug/m3 | Analyzed: | 10/11/13 |

| Analyte | Result (V) | RL | Result (M) | RL |
|---------------------------|------------|------|------------|-----|
| Toluene | ND | 0.86 | ND | 3.2 |
| trans-1,3-Dichloropropene | ND | 0.86 | ND | 3.9 |
| 1,1,2-Trichloroethane | ND | 0.86 | ND | 4.7 |
| Tetrachloroethene | 21 | 0.86 | 140 | 5.8 |
| 2-Hexanone | ND | 0.86 | ND | 3.5 |
| Dibromochloromethane | 2.3 | 0.86 | 20 | 7.3 |
| 1,2-Dibromoethane | ND | 0.86 | ND | 6.6 |
| Chlorobenzene | ND | 0.86 | ND | 4.0 |
| Ethylbenzene | ND | 0.86 | ND | 3.7 |
| m,p-Xylenes | ND | 0.86 | ND | 3.7 |
| o-Xylene | ND | 0.86 | ND | 3.7 |
| Styrene | ND | 0.86 | ND | 3.7 |
| Bromoform | ND | 0.86 | ND | 8.9 |
| 1,1,2,2-Tetrachloroethane | ND | 0.86 | ND | 5.9 |
| 4-Ethyltoluene | ND | 0.86 | ND | 4.2 |
| 1,3,5-Trimethylbenzene | ND | 0.86 | ND | 4.2 |
| 1,2,4-Trimethylbenzene | ND | 0.86 | ND | 4.2 |
| 1,3-Dichlorobenzene | ND | 0.86 | ND | 5.2 |
| 1,4-Dichlorobenzene | ND | 0.86 | ND | 5.2 |
| Benzyl chloride | ND | 0.86 | ND | 4.5 |
| 1,2-Dichlorobenzene | ND | 0.86 | ND | 5.2 |
| 1,2,4-Trichlorobenzene | ND | 0.86 | ND | 6.4 |
| Hexachlorobutadiene | ND | 0.86 | ND | 9.2 |
| Naphthalene | ND | 3.4 | ND | 18 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 102 | 70-130 | |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | | |
| Matrix: | Air | Batch#: | 203937 | | | | |
| Units (V): | ppbv | Analyzed: | 10/10/13 | | | | |
| Diln Fac: | 1.000 | | | | | | |

Lab ID: QC711435 Type: BS

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|------|--------|
| Freon 12 | 16.67 | 18.59 | 112 | 70-130 |
| Freon 114 | 16.67 | 19.07 | 114 | 70-130 |
| Chloromethane | 16.67 | 19.92 | 120 | 70-130 |
| Vinyl Chloride | 16.67 | 18.81 | 113 | 70-130 |
| 1,3-Butadiene | 16.67 | 18.97 | 114 | 70-130 |
| Bromomethane | 16.67 | 20.06 | 120 | 70-130 |
| Chloroethane | 16.67 | 21.24 | 127 | 70-130 |
| Trichlorofluoromethane | 16.67 | 18.81 | 113 | 70-130 |
| Acrolein | 16.67 | 17.82 | 107 | 61-130 |
| 1,1-Dichloroethene | 16.67 | 21.26 | 128 | 70-130 |
| Freon 113 | 16.67 | 18.31 | 110 | 70-130 |
| Acetone | 16.67 | 17.18 | 103 | 70-130 |
| Carbon Disulfide | 16.67 | 18.13 | 109 | 70-130 |
| Methylene Chloride | 16.67 | 17.23 | 103 | 70-130 |
| trans-1,2-Dichloroethene | 16.67 | 18.97 | 114 | 70-130 |
| MTBE | 16.67 | 18.99 | 114 | 70-130 |
| n-Hexane | 16.67 | 18.26 | 110 | 70-130 |
| 1,1-Dichloroethane | 16.67 | 19.41 | 116 | 70-130 |
| Vinyl Acetate | 16.67 | 21.24 | 127 | 70-130 |
| cis-1,2-Dichloroethene | 16.67 | 18.24 | 109 | 70-130 |
| 2-Butanone | 16.67 | 18.71 | 112 | 70-130 |
| Ethyl Acetate | 16.67 | 18.24 | 109 | 70-130 |
| Tetrahydrofuran | 16.67 | 15.80 | 95 | 70-130 |
| Chloroform | 16.67 | 18.47 | 111 | 70-130 |
| 1,1,1-Trichloroethane | 16.67 | 18.13 | 109 | 70-130 |
| Cyclohexane | 16.67 | 19.27 | 116 | 70-130 |
| Carbon Tetrachloride | 16.67 | 19.35 | 116 | 70-130 |
| Benzene | 16.67 | 18.26 | 110 | 70-130 |
| 1,2-Dichloroethane | 16.67 | 18.89 | 113 | 70-130 |
| n-Heptane | 16.67 | 18.66 | 112 | 70-130 |
| Trichloroethene | 16.67 | 18.05 | 108 | 70-130 |
| 1,2-Dichloropropane | 16.67 | 19.01 | 114 | 70-130 |
| Bromodichloromethane | 16.67 | 18.44 | 111 | 70-130 |
| cis-1,3-Dichloropropene | 16.67 | 18.92 | 114 | 70-130 |

RPD= Relative Percent Difference Result V= Result in volume units

Page 1 of 4 6.0



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 203937 | | |
| Units (V): | ppbv | Analyzed: | 10/10/13 | | |
| Diln Fac: | 1.000 | | | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|------|--------|
| 4-Methyl-2-Pentanone | 16.67 | 18.18 | 109 | 70-130 |
| Toluene | 16.67 | 17.79 | 107 | 70-130 |
| trans-1,3-Dichloropropene | 16.67 | 19.03 | 114 | 70-130 |
| 1,1,2-Trichloroethane | 16.67 | 18.01 | 108 | 70-130 |
| Tetrachloroethene | 16.67 | 18.11 | 109 | 70-130 |
| 2-Hexanone | 16.67 | 18.60 | 112 | 70-130 |
| Dibromochloromethane | 16.67 | 18.68 | 112 | 70-130 |
| 1,2-Dibromoethane | 16.67 | 18.74 | 112 | 70-130 |
| Chlorobenzene | 16.67 | 17.56 | 105 | 70-130 |
| Ethylbenzene | 16.67 | 16.70 | 100 | 70-130 |
| m,p-Xylenes | 33.33 | 33.81 | 101 | 70-130 |
| o-Xylene | 16.67 | 16.63 | 100 | 70-130 |
| Styrene | 16.67 | 19.86 | 119 | 70-130 |
| Bromoform | 16.67 | 20.62 | 124 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 16.70 | 100 | 70-130 |
| 4-Ethyltoluene | 16.67 | 17.23 | 103 | 70-130 |
| 1,3,5-Trimethylbenzene | 16.67 | 16.19 | 97 | 70-130 |
| 1,2,4-Trimethylbenzene | 16.67 | 16.54 | 99 | 70-130 |
| 1,3-Dichlorobenzene | 16.67 | 16.44 | 99 | 70-130 |
| 1,4-Dichlorobenzene | 16.67 | 16.13 | 97 | 70-130 |
| Benzyl chloride | 16.67 | 17.82 | 107 | 70-130 |
| 1,2-Dichlorobenzene | 16.67 | 16.32 | 98 | 70-130 |
| 1,2,4-Trichlorobenzene | 16.67 | 17.86 | 107 | 70-130 |
| Hexachlorobutadiene | 16.67 | 14.16 | 85 | 70-130 |
| Naphthalene | 16.67 | 18.04 | 108 | 67-130 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 98 | 70-130 | |

RPD= Relative Percent Difference Result V= Result in volume units Page 2 of 4



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 203937 | | |
| Units (V): | ppbv | Analyzed: | 10/10/13 | | |
| Diln Fac: | 1.000 | | | | |

Type: BSD Lab ID: QC711436

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|--------------------------|--------|------------|------|--------|-----|-----|
| Freon 12 | 16.67 | 18.99 | 114 | 70-130 | 2 | 20 |
| Freon 114 | 16.67 | 18.74 | 112 | 70-130 | 2 | 20 |
| Chloromethane | 16.67 | 19.88 | 119 | 70-130 | 0 | 24 |
| Vinyl Chloride | 16.67 | 18.86 | 113 | 70-130 | 0 | 24 |
| 1,3-Butadiene | 16.67 | 19.20 | 115 | 70-130 | 1 | 22 |
| Bromomethane | 16.67 | 20.17 | 121 | 70-130 | 1 | 20 |
| Chloroethane | 16.67 | 20.67 | 124 | 70-130 | 3 | 20 |
| Trichlorofluoromethane | 16.67 | 18.74 | 112 | 70-130 | 0 | 21 |
| Acrolein | 16.67 | 18.68 | 112 | 61-130 | 5 | 36 |
| 1,1-Dichloroethene | 16.67 | 20.92 | 126 | 70-130 | 2 | 20 |
| Freon 113 | 16.67 | 18.26 | 110 | 70-130 | 0 | 24 |
| Acetone | 16.67 | 17.03 | 102 | 70-130 | 1 | 21 |
| Carbon Disulfide | 16.67 | 18.17 | 109 | 70-130 | 0 | 21 |
| Methylene Chloride | 16.67 | 17.01 | 102 | 70-130 | 1 | 24 |
| trans-1,2-Dichloroethene | 16.67 | 19.00 | 114 | 70-130 | 0 | 20 |
| MTBE | 16.67 | 19.08 | 114 | 70-130 | 0 | 20 |
| n-Hexane | 16.67 | 18.43 | 111 | 70-130 | 1 | 20 |
| 1,1-Dichloroethane | 16.67 | 19.29 | 116 | 70-130 | 1 | 20 |
| Vinyl Acetate | 16.67 | 21.01 | 126 | 70-130 | 1 | 21 |
| cis-1,2-Dichloroethene | 16.67 | 18.12 | 109 | 70-130 | 1 | 20 |
| 2-Butanone | 16.67 | 18.37 | 110 | 70-130 | 2 | 20 |
| Ethyl Acetate | 16.67 | 18.09 | 109 | 70-130 | 1 | 22 |
| Tetrahydrofuran | 16.67 | 15.72 | 94 | 70-130 | 1 | 20 |
| Chloroform | 16.67 | 18.25 | 109 | 70-130 | 1 | 21 |
| 1,1,1-Trichloroethane | 16.67 | 18.23 | 109 | 70-130 | 1 | 21 |
| Cyclohexane | 16.67 | 19.22 | 115 | 70-130 | 0 | 20 |
| Carbon Tetrachloride | 16.67 | 19.25 | 116 | 70-130 | 0 | 20 |
| Benzene | 16.67 | 18.48 | 111 | 70-130 | 1 | 20 |
| 1,2-Dichloroethane | 16.67 | 19.00 | 114 | 70-130 | 1 | 20 |
| n-Heptane | 16.67 | 18.94 | 114 | 70-130 | 1 | 20 |
| Trichloroethene | 16.67 | 18.15 | 109 | 70-130 | 1 | 20 |
| 1,2-Dichloropropane | 16.67 | 19.46 | 117 | 70-130 | 2 | 20 |
| Bromodichloromethane | 16.67 | 18.47 | 111 | 70-130 | 0 | 20 |
| cis-1,3-Dichloropropene | 16.67 | 18.96 | 114 | 70-130 | 0 | 20 |

RPD= Relative Percent Difference

Result V= Result in volume units

Page 3 of 4



| | Volatil | e Organics in Ai | lr |
|------------|--------------------|------------------|----------------------|
| Lab #: | 249693 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 203937 |
| Units (V): | ppbv | Analyzed: | 10/10/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|---------------------------|--------|------------|------|--------|-----|-----|
| 4-Methyl-2-Pentanone | 16.67 | 18.61 | 112 | 70-130 | 2 | 20 |
| Toluene | 16.67 | 17.65 | 106 | 70-130 | 1 | 23 |
| trans-1,3-Dichloropropene | 16.67 | 19.59 | 118 | 70-130 | 3 | 20 |
| 1,1,2-Trichloroethane | 16.67 | 18.14 | 109 | 70-130 | 1 | 20 |
| Tetrachloroethene | 16.67 | 18.10 | 109 | 70-130 | 0 | 20 |
| 2-Hexanone | 16.67 | 18.45 | 111 | 70-130 | 1 | 20 |
| Dibromochloromethane | 16.67 | 18.51 | 111 | 70-130 | 1 | 20 |
| 1,2-Dibromoethane | 16.67 | 18.50 | 111 | 70-130 | 1 | 20 |
| Chlorobenzene | 16.67 | 17.31 | 104 | 70-130 | 1 | 21 |
| Ethylbenzene | 16.67 | 16.36 | 98 | 70-130 | 2 | 20 |
| m,p-Xylenes | 33.33 | 32.47 | 97 | 70-130 | 4 | 20 |
| o-Xylene | 16.67 | 16.47 | 99 | 70-130 | 1 | 20 |
| Styrene | 16.67 | 19.30 | 116 | 70-130 | 3 | 22 |
| Bromoform | 16.67 | 19.48 | 117 | 70-130 | 6 | 20 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 16.43 | 99 | 70-130 | 2 | 24 |
| 4-Ethyltoluene | 16.67 | 16.98 | 102 | 70-130 | 1 | 22 |
| 1,3,5-Trimethylbenzene | 16.67 | 15.92 | 96 | 70-130 | 2 | 22 |
| 1,2,4-Trimethylbenzene | 16.67 | 16.24 | 97 | 70-130 | 2 | 23 |
| 1,3-Dichlorobenzene | 16.67 | 16.23 | 97 | 70-130 | 1 | 21 |
| 1,4-Dichlorobenzene | 16.67 | 16.06 | 96 | 70-130 | 0 | 22 |
| Benzyl chloride | 16.67 | 17.05 | 102 | 70-130 | 4 | 21 |
| 1,2-Dichlorobenzene | 16.67 | 15.85 | 95 | 70-130 | 3 | 22 |
| 1,2,4-Trichlorobenzene | 16.67 | 19.43 | 117 | 70-130 | 8 | 24 |
| Hexachlorobutadiene | 16.67 | 14.21 | 85 | 70-130 | 0 | 25 |
| Naphthalene | 16.67 | 20.44 | 123 | 67-130 | 12 | 24 |

| | Surrogate %REC | Limits |
|-----------|----------------|--------|
| Bromofluo | orobenzene 105 | 70-130 |

RPD= Relative Percent Difference Result V= Result in volume units Page 4 of 4

6.0



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|------------|----------------------|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Type: | BLANK | Units (M): | ug/m3 | |
| Lab ID: | QC711437 | Diln Fac: | 1.000 | |
| Matrix: | Air | Batch#: | 203937 | |
| Units (V): | ppbv | Analyzed: | 10/10/13 | |

| Analyte | Result (V) | RL | Result (N | M) RL |
|--------------------------|------------|------|-----------|-------|
| Freon 12 | ND | 0.50 | ND | 2.5 |
| Freon 114 | ND | 0.50 | ND | 3.5 |
| Chloromethane | ND | 0.50 | ND | 1.0 |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2

7.0



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|------------|----------------------|--|
| Lab #: | 249693 | Location: | Park Avenue Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Type: | BLANK | Units (M): | ug/m3 | |
| Lab ID: | QC711437 | Diln Fac: | 1.000 | |
| Matrix: | Air | Batch#: | 203937 | |
| Units (V): | ppbv | Analyzed: | 10/10/13 | |

| Analyte | Result (V) | RL | Resul | t (M) RL |
|---------------------------|------------|------|-------|----------|
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

| | Surrogate %REC | Limits |
|-----------|----------------|--------|
| Bromofluo | orobenzene 105 | 70-130 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250058 ANALYTICAL REPORT

Project : 13-945C Iris Environmental

1438 Webster Street Location : Park Avenue Cleaners Oakland, CA 94612

Level : II

Sample ID <u>Lab ID</u> SS-05-102113 250058-001 SS-04-102113 250058-002

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA

Date: <u>10/23/2013</u>



CASE NARRATIVE

Laboratory number: 250058

Client: Iris Environmental

Project: 13-945C

Location: Park Avenue Cleaners

Request Date: 10/21/13 Samples Received: 10/21/13

This data package contains sample and QC results for two air samples, requested for the above referenced project on 10/21/13. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):

No analytical problems were encountered.

| IRIS ENVIRONMENTAL CHAIN-OF-CUSTODY | Date: 10 / 21 / 13 Page: | \ of \ Nº 003653 | | |
|---|--------------------------------|---------------------------------------|--|--|
| IRIS ENVIRONMENTAL CHAIN-OF-CUSTODY 1438 Webster Street, Suite 302 | | 14: 003003 | | |
| Oakland, California 94612 (510) 834-4747 tel | Analyses | | | |
| (510) 834-4199 fax | 10-10 Kust | Number of Containers | | |
| Sampler Name(s): Signature(s): | | l l l l l l l l l l l l l l l l l l l | | |
| Tiftany Klitzke | 8 Have by | at of (| | |
| | (S) 2 | equi | | |
| Sample ID Date Time Matrix Pres. | 2 % | Ž | | |
| 1 SS-05-1021(3 10121113 1002 SV - | XX | 1 | | |
| 2 SS-04-102113 10/21/13 1054 6V - | XX | | | |
| | | | | |
| | | | | |
| | | | | |
| W | | | | |
| | | | | |
| | | | | |
| | | | | |
| PROJECT INFORMATION | RELINQUISHED BY: | RECEIVED BY: | | |
| Project Name: Park Avenue Changes | Printed Name | Printed Name SABAR CHO Signature | | |
| Project Number: 13 - 0450 | Signature : Clith | sakere and | | |
| Contact Person: Craice Pelleties Tiffice | Mui) all | | | |
| E-mail: Craig@irisenu con titanuairiseni con | TRIS ENVIKONMENTAL COMPANY CAT | | | |
| Report: Routine (Level 2) Level 3 Level 4 EDD | Time/Date 1345 | Time/Date | | |
| TAT: 10-day 5-day 72-hr (48-hr) .24-hr Other: | RELINQUISHED BY: | 10/21/13 1245 | | |
| Special Instructions/Comments: | Printed Name | RECEIVED BY: Printed Name | | |
| 48 HR RUSH | Signature | Signature | | |
| canister #87 initial vacuum -30, final vacuum -5 canister #161 initial vacuum -30, final vacuum -5 | Company | Company | | |
| canister #161 in hal vacuum - 30 final vanuum | Time/Date | Time/Date | | |
| John Walliam -5 | | inici Date | | |

COOLER RECEIPT CHECKLIST



| Login # $\frac{250058}{}$ Date Received $\frac{10}{21}$ Number of coolers | |
|--|----------|
| Client IRLS Project PARK AVENUE CLEANERS | 13-9450) |
| Date Opened 10/21/13 By (print) 1k · (sign) Twa Rayea | |
| Date Logged in By (print) (sign) | |
| 1. Did cooler come with a shipping slip (airbill, etc)YES NOYES | |
| 2A. Were custody seals present? TYES (circle) on cooler on samples How many Name Date 2B. Were custody seals intact upon arrival? YES NO NA 3. Were custody papers dry and intact when received? YES NO 4. Were custody papers filled out properly (ink, signed, etc)? YES NO |) |
| 5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO 6. Indicate the packing in cooler: (if other, describe) | |
| ☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☐ None ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels 7. Temperature documentation: * Notify PM if temperature exceeds 6°C | |
| Type of ice used: Wet Blue/Gel None Temp(°C) | |
| ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun | - I |
| ☐ Samples received on ice directly from the field. Cooling process had begun | |
| 8. Were Method 5035 sampling containers present? YES NO If YES, what time were they transferred to freezer? 9. Did all bottles arrive unbroken/unopened? YES NO 10. Are there any missing / extra samples? YES NO 11. Are samples in the appropriate containers for indicated tests? YES NO 12. Are sample labels present, in good condition and complete? YES NO 13. Do the sample labels agree with custody papers? YES NO 14. Was sufficient amount of sample sent for tests requested? YES NO 15. Are the samples appropriately preserved? YES NO NA 16. Did you check preservatives for all bottles for each sample? YES NO NA 17. Did you document your preservative check? YES NO NA 18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES NO NA 19. Did you change the hold time in LIMS for preserved terracores? YES N | |
| | |
| | |
| | |



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-05-102113 | Diln Fac: | 88.50 | | | |
| Lab ID: | 250058-001 | Batch#: | 204297 | | | |
| Matrix: | Air | Sampled: | 10/21/13 | | | |
| Units (V): | ppbv | Received: | 10/21/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 10/22/13 | | | |

| | 71 (77) | 7. | 1 | (M) DT |
|--------------------------|------------|-----|--------|--------|
| Analyte | Result (V) | RL | Result | |
| Freon 12 | ND | 44 | ND | 220 |
| Freon 114 | ND | 44 | ND | 310 |
| Chloromethane | ND | 44 | ND | 91 |
| Vinyl Chloride | ND | 44 | ND | 110 |
| 1,3-Butadiene | ND | 44 | ND | 98 |
| Bromomethane | ND | 44 | ND | 170 |
| Chloroethane | ND | 44 | ND | 120 |
| Trichlorofluoromethane | ND | 44 | ND | 250 |
| Acrolein | ND | 180 | ND | 410 |
| 1,1-Dichloroethene | ND | 44 | ND | 180 |
| Freon 113 | ND | 44 | ND | 340 |
| Acetone | ND | 180 | ND | 420 |
| Carbon Disulfide | ND | 44 | ND | 140 |
| Methylene Chloride | ND | 44 | ND | 150 |
| trans-1,2-Dichloroethene | ND | 44 | ND | 180 |
| MTBE | ND | 44 | ND | 160 |
| n-Hexane | ND | 44 | ND | 160 |
| 1,1-Dichloroethane | ND | 44 | ND | 180 |
| Vinyl Acetate | ND | 44 | ND | 160 |
| cis-1,2-Dichloroethene | ND | 44 | ND | 180 |
| 2-Butanone | ND | 44 | ND | 130 |
| Ethyl Acetate | ND | 44 | ND | 160 |
| Tetrahydrofuran | ND | 44 | ND | 130 |
| Chloroform | ND | 44 | ND | 220 |
| 1,1,1-Trichloroethane | ND | 44 | ND | 240 |
| Cyclohexane | ND | 44 | ND | 150 |
| Carbon Tetrachloride | ND | 44 | ND | 280 |
| Benzene | ND | 44 | ND | 140 |
| 1,2-Dichloroethane | ND | 44 | ND | 180 |
| n-Heptane | ND | 44 | ND | 180 |
| Trichloroethene | ND | 44 | ND | 240 |
| 1,2-Dichloropropane | ND | 44 | ND | 200 |
| Bromodichloromethane | ND | 44 | ND | 300 |
| cis-1,3-Dichloropropene | ND | 44 | ND | 200 |
| 4-Methyl-2-Pentanone | ND | 44 | ND | 180 |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-05-102113 | Diln Fac: | 88.50 | | | |
| Lab ID: | 250058-001 | Batch#: | 204297 | | | |
| Matrix: | Air | Sampled: | 10/21/13 | | | |
| Units (V): | ppbv | Received: | 10/21/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 10/22/13 | | | |

| Analyte | Result (V) | RL | Result (| M) RL |
|---------------------------|------------|-----|----------|-------|
| Toluene | ND | 44 | ND | 170 |
| trans-1,3-Dichloropropene | ND | 44 | ND | 200 |
| 1,1,2-Trichloroethane | ND | 44 | ND | 240 |
| Tetrachloroethene | 5,800 | 44 | 39,000 | 300 |
| 2-Hexanone | ND | 44 | ND | 180 |
| Dibromochloromethane | ND | 44 | ND | 380 |
| 1,2-Dibromoethane | ND | 44 | ND | 340 |
| Chlorobenzene | ND | 44 | ND | 200 |
| Ethylbenzene | ND | 44 | ND | 190 |
| m,p-Xylenes | ND | 44 | ND | 190 |
| o-Xylene | ND | 44 | ND | 190 |
| Styrene | ND | 44 | ND | 190 |
| Bromoform | ND | 44 | ND | 460 |
| 1,1,2,2-Tetrachloroethane | ND | 44 | ND | 300 |
| 4-Ethyltoluene | ND | 44 | ND | 220 |
| 1,3,5-Trimethylbenzene | ND | 44 | ND | 220 |
| 1,2,4-Trimethylbenzene | ND | 44 | ND | 220 |
| 1,3-Dichlorobenzene | ND | 44 | ND | 270 |
| 1,4-Dichlorobenzene | ND | 44 | ND | 270 |
| Benzyl chloride | ND | 44 | ND | 230 |
| 1,2-Dichlorobenzene | ND | 44 | ND | 270 |
| 1,2,4-Trichlorobenzene | ND | 44 | ND | 330 |
| Hexachlorobutadiene | ND | 44 | ND | 470 |
| Naphthalene | ND | 180 | ND | 930 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 99 | 70-130 | |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-04-102113 | Diln Fac: | 3.700 | | | |
| Lab ID: | 250058-002 | Batch#: | 204256 | | | |
| Matrix: | Air | Sampled: | 10/21/13 | | | |
| Units (V): | ppbv | Received: | 10/21/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 10/21/13 | | | |

| _ | | | | = | |
|--------------------------|-------|-------|-----|------------|-----|
| Analyte | Resul | t (V) | RL | Result (M) | |
| Freon 12 | ND | | 1.9 | ND | 9.1 |
| Freon 114 | ND | | 1.9 | ND | 13 |
| Chloromethane | ND | | 1.9 | ND | 3.8 |
| Vinyl Chloride | ND | | 1.9 | ND | 4.7 |
| 1,3-Butadiene | ND | | 1.9 | ND | 4.1 |
| Bromomethane | ND | | 1.9 | ND | 7.2 |
| Chloroethane | ND | | 1.9 | ND | 4.9 |
| Trichlorofluoromethane | ND | | 1.9 | ND | 10 |
| Acrolein | ND | | 7.4 | ND | 17 |
| 1,1-Dichloroethene | ND | | 1.9 | ND | 7.3 |
| Freon 113 | ND | | 1.9 | ND | 14 |
| Acetone | ND | | 7.4 | ND | 18 |
| Carbon Disulfide | ND | | 1.9 | ND | 5.8 |
| Methylene Chloride | ND | | 1.9 | ND | 6.4 |
| trans-1,2-Dichloroethene | ND | | 1.9 | ND | 7.3 |
| MTBE | ND | | 1.9 | ND | 6.7 |
| n-Hexane | ND | | 1.9 | ND | 6.5 |
| 1,1-Dichloroethane | ND | | 1.9 | ND | 7.5 |
| Vinyl Acetate | ND | | 1.9 | ND | 6.5 |
| cis-1,2-Dichloroethene | ND | | 1.9 | ND | 7.3 |
| 2-Butanone | ND | | 1.9 | ND | 5.5 |
| Ethyl Acetate | ND | | 1.9 | ND | 6.7 |
| Tetrahydrofuran | ND | | 1.9 | ND | 5.5 |
| Chloroform | | 3.0 | 1.9 | 15 | 9.0 |
| 1,1,1-Trichloroethane | ND | | 1.9 | ND | 10 |
| Cyclohexane | ND | | 1.9 | ND | 6.4 |
| Carbon Tetrachloride | ND | | 1.9 | ND | 12 |
| Benzene | ND | | 1.9 | ND | 5.9 |
| 1,2-Dichloroethane | ND | | 1.9 | ND | 7.5 |
| n-Heptane | ND | | 1.9 | ND | 7.6 |
| Trichloroethene | | 6.1 | 1.9 | 33 | 9.9 |
| 1,2-Dichloropropane | ND | | 1.9 | ND | 8.5 |
| Bromodichloromethane | | 3.3 | 1.9 | 22 | 12 |
| cis-1,3-Dichloropropene | ND | | 1.9 | ND | 8.4 |
| 4-Methyl-2-Pentanone | ND | | 1.9 | ND | 7.6 |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Field ID: | SS-04-102113 | Diln Fac: | 3.700 | | |
| Lab ID: | 250058-002 | Batch#: | 204256 | | |
| Matrix: | Air | Sampled: | 10/21/13 | | |
| Units (V): | ppbv | Received: | 10/21/13 | | |
| Units (M): | ug/m3 | Analyzed: | 10/21/13 | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|---------------------------|------------|-----|--------|--------|
| Toluene | ND | 1.9 | ND | 7.0 |
| trans-1,3-Dichloropropene | ND | 1.9 | ND | 8.4 |
| 1,1,2-Trichloroethane | ND | 1.9 | ND | 10 |
| Tetrachloroethene | 210 | 1.9 | 1,400 | 13 |
| 2-Hexanone | ND | 1.9 | ND | 7.6 |
| Dibromochloromethane | 1.9 | 1.9 | 16 | 16 |
| 1,2-Dibromoethane | ND | 1.9 | ND | 14 |
| Chlorobenzene | ND | 1.9 | ND | 8.5 |
| Ethylbenzene | ND | 1.9 | ND | 8.0 |
| m,p-Xylenes | ND | 1.9 | ND | 8.0 |
| o-Xylene | ND | 1.9 | ND | 8.0 |
| Styrene | ND | 1.9 | ND | 7.9 |
| Bromoform | ND | 1.9 | ND | 19 |
| 1,1,2,2-Tetrachloroethane | ND | 1.9 | ND | 13 |
| 4-Ethyltoluene | ND | 1.9 | ND | 9.1 |
| 1,3,5-Trimethylbenzene | ND | 1.9 | ND | 9.1 |
| 1,2,4-Trimethylbenzene | ND | 1.9 | ND | 9.1 |
| 1,3-Dichlorobenzene | ND | 1.9 | ND | 11 |
| 1,4-Dichlorobenzene | ND | 1.9 | ND | 11 |
| Benzyl chloride | ND | 1.9 | ND | 9.6 |
| 1,2-Dichlorobenzene | ND | 1.9 | ND | 11 |
| 1,2,4-Trichlorobenzene | ND | 1.9 | ND | 14 |
| Hexachlorobutadiene | ND | 1.9 | ND | 20 |
| Naphthalene | ND | 7.4 | ND | 39 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 100 | 70-130 | |

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 204256 | | |
| Units (V): | ppbv | Analyzed: | 10/21/13 | | |
| Diln Fac: | 1.000 | | | | |

Type: BS Lab ID: QC712805

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|------|--------|
| Freon 12 | 16.67 | 18.07 | 108 | 70-130 |
| Freon 114 | 16.67 | 18.18 | 109 | 70-130 |
| Chloromethane | 16.67 | 20.26 | 122 | 70-130 |
| Vinyl Chloride | 16.67 | 17.82 | 107 | 70-130 |
| 1,3-Butadiene | 16.67 | 18.26 | 110 | 70-130 |
| Bromomethane | 16.67 | 18.56 | 111 | 70-130 |
| Chloroethane | 16.67 | 21.18 | 127 | 70-130 |
| Trichlorofluoromethane | 16.67 | 18.03 | 108 | 70-130 |
| Acrolein | 16.67 | 17.21 | 103 | 61-130 |
| 1,1-Dichloroethene | 16.67 | 21.48 | 129 | 70-130 |
| Freon 113 | 16.67 | 17.82 | 107 | 70-130 |
| Acetone | 16.67 | 18.06 | 108 | 70-130 |
| Carbon Disulfide | 16.67 | 18.06 | 108 | 70-130 |
| Methylene Chloride | 16.67 | 16.89 | 101 | 70-130 |
| trans-1,2-Dichloroethene | 16.67 | 18.91 | 113 | 70-130 |
| MTBE | 16.67 | 18.20 | 109 | 70-130 |
| n-Hexane | 16.67 | 18.20 | 109 | 70-130 |
| 1,1-Dichloroethane | 16.67 | 19.34 | 116 | 70-130 |
| Vinyl Acetate | 16.67 | 19.30 | 116 | 70-130 |
| cis-1,2-Dichloroethene | 16.67 | 18.47 | 111 | 70-130 |
| 2-Butanone | 16.67 | 18.54 | 111 | 70-130 |
| Ethyl Acetate | 16.67 | 17.58 | 105 | 70-130 |
| Tetrahydrofuran | 16.67 | 16.08 | 96 | 70-130 |
| Chloroform | 16.67 | 17.55 | 105 | 70-130 |
| 1,1,1-Trichloroethane | 16.67 | 17.98 | 108 | 70-130 |
| Cyclohexane | 16.67 | 19.56 | 117 | 70-130 |
| Carbon Tetrachloride | 16.67 | 16.25 | 97 | 70-130 |
| Benzene | 16.67 | 18.22 | 109 | 70-130 |
| 1,2-Dichloroethane | 16.67 | 19.39 | 116 | 70-130 |
| n-Heptane | 16.67 | 18.74 | 112 | 70-130 |
| Trichloroethene | 16.67 | 18.05 | 108 | 70-130 |
| 1,2-Dichloropropane | 16.67 | 19.88 | 119 | 70-130 |
| Bromodichloromethane | 16.67 | 18.43 | 111 | 70-130 |
| cis-1,3-Dichloropropene | 16.67 | 19.58 | 117 | 70-130 |

RPD= Relative Percent Difference
Result V= Result in volume units

-



| | Volatil | e Organics in Ai | lr |
|------------|--------------------|------------------|----------------------|
| Lab #: | 250058 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 204256 |
| Units (V): | ppbv | Analyzed: | 10/21/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|------|--------|
| 4-Methyl-2-Pentanone | 16.67 | 18.84 | 113 | 70-130 |
| Toluene | 16.67 | 16.53 | 99 | 70-130 |
| trans-1,3-Dichloropropene | 16.67 | 19.24 | 115 | 70-130 |
| 1,1,2-Trichloroethane | 16.67 | 17.17 | 103 | 70-130 |
| Tetrachloroethene | 16.67 | 16.83 | 101 | 70-130 |
| 2-Hexanone | 16.67 | 17.84 | 107 | 70-130 |
| Dibromochloromethane | 16.67 | 17.19 | 103 | 70-130 |
| 1,2-Dibromoethane | 16.67 | 17.38 | 104 | 70-130 |
| Chlorobenzene | 16.67 | 16.65 | 100 | 70-130 |
| Ethylbenzene | 16.67 | 16.03 | 96 | 70-130 |
| m,p-Xylenes | 33.33 | 30.65 | 92 | 70-130 |
| o-Xylene | 16.67 | 15.67 | 94 | 70-130 |
| Styrene | 16.67 | 18.51 | 111 | 70-130 |
| Bromoform | 16.67 | 16.69 | 100 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 15.65 | 94 | 70-130 |
| 4-Ethyltoluene | 16.67 | 16.05 | 96 | 70-130 |
| 1,3,5-Trimethylbenzene | 16.67 | 14.76 | 89 | 70-130 |
| 1,2,4-Trimethylbenzene | 16.67 | 15.22 | 91 | 70-130 |
| 1,3-Dichlorobenzene | 16.67 | 15.40 | 92 | 70-130 |
| 1,4-Dichlorobenzene | 16.67 | 15.17 | 91 | 70-130 |
| Benzyl chloride | 16.67 | 16.08 | 96 | 70-130 |
| 1,2-Dichlorobenzene | 16.67 | 14.93 | 90 | 70-130 |
| 1,2,4-Trichlorobenzene | 16.67 | 18.65 | 112 | 70-130 |
| Hexachlorobutadiene | 16.67 | 13.90 | 83 | 70-130 |
| Naphthalene | 16.67 | 19.74 | 118 | 67-130 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 99 | 70-130 | |



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 204256 | | |
| Units (V): | ppbv | Analyzed: | 10/21/13 | | |
| Diln Fac: | 1.000 | | | | |

Type: BSD Lab ID: QC712806

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|--------------------------|--------|------------|------|--------|-----|-----|
| Freon 12 | 16.67 | 18.17 | 109 | 70-130 | 1 | 20 |
| Freon 114 | 16.67 | 18.52 | 111 | 70-130 | 2 | 20 |
| Chloromethane | 16.67 | 20.21 | 121 | 70-130 | 0 | 24 |
| Vinyl Chloride | 16.67 | 18.40 | 110 | 70-130 | 3 | 24 |
| 1,3-Butadiene | 16.67 | 18.68 | 112 | 70-130 | 2 | 22 |
| Bromomethane | 16.67 | 18.98 | 114 | 70-130 | 2 | 20 |
| Chloroethane | 16.67 | 21.07 | 126 | 70-130 | 1 | 20 |
| Trichlorofluoromethane | 16.67 | 18.38 | 110 | 70-130 | 2 | 21 |
| Acrolein | 16.67 | 17.85 | 107 | 61-130 | 4 | 36 |
| 1,1-Dichloroethene | 16.67 | 21.58 | 130 | 70-130 | 0 | 20 |
| Freon 113 | 16.67 | 18.72 | 112 | 70-130 | 5 | 24 |
| Acetone | 16.67 | 18.71 | 112 | 70-130 | 4 | 21 |
| Carbon Disulfide | 16.67 | 18.13 | 109 | 70-130 | 0 | 21 |
| Methylene Chloride | 16.67 | 16.93 | 102 | 70-130 | 0 | 24 |
| trans-1,2-Dichloroethene | 16.67 | 19.32 | 116 | 70-130 | 2 | 20 |
| MTBE | 16.67 | 18.58 | 111 | 70-130 | 2 | 20 |
| n-Hexane | 16.67 | 18.59 | 112 | 70-130 | 2 | 20 |
| 1,1-Dichloroethane | 16.67 | 19.66 | 118 | 70-130 | 2 | 20 |
| Vinyl Acetate | 16.67 | 19.89 | 119 | 70-130 | 3 | 21 |
| cis-1,2-Dichloroethene | 16.67 | 18.75 | 113 | 70-130 | 2 | 20 |
| 2-Butanone | 16.67 | 18.86 | 113 | 70-130 | 2 | 20 |
| Ethyl Acetate | 16.67 | 17.82 | 107 | 70-130 | 1 | 22 |
| Tetrahydrofuran | 16.67 | 15.79 | 95 | 70-130 | 2 | 20 |
| Chloroform | 16.67 | 17.82 | 107 | 70-130 | 2 | 21 |
| 1,1,1-Trichloroethane | 16.67 | 18.23 | 109 | 70-130 | 1 | 21 |
| Cyclohexane | 16.67 | 19.19 | 115 | 70-130 | 2 | 20 |
| Carbon Tetrachloride | 16.67 | 16.51 | 99 | 70-130 | 2 | 20 |
| Benzene | 16.67 | 18.50 | 111 | 70-130 | 2 | 20 |
| 1,2-Dichloroethane | 16.67 | 19.75 | 119 | 70-130 | 2 | 20 |
| n-Heptane | 16.67 | 18.77 | 113 | 70-130 | 0 | 20 |
| Trichloroethene | 16.67 | 18.35 | 110 | 70-130 | 2 | 20 |
| 1,2-Dichloropropane | 16.67 | 19.19 | 115 | 70-130 | 4 | 20 |
| Bromodichloromethane | 16.67 | 18.40 | 110 | 70-130 | 0 | 20 |
| cis-1,3-Dichloropropene | 16.67 | 19.07 | 114 | 70-130 | 3 | 20 |

RPD= Relative Percent Difference
Result V= Result in volume units



| | Volatil | e Organics in Ai | lr |
|------------|--------------------|------------------|----------------------|
| Lab #: | 250058 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 204256 |
| Units (V): | ppbv | Analyzed: | 10/21/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|---------------------------|--------|------------|------|--------|-----|-----|
| 4-Methyl-2-Pentanone | 16.67 | 19.03 | 114 | 70-130 | 1 | 20 |
| Toluene | 16.67 | 17.44 | 105 | 70-130 | 5 | 23 |
| trans-1,3-Dichloropropene | 16.67 | 19.19 | 115 | 70-130 | 0 | 20 |
| 1,1,2-Trichloroethane | 16.67 | 18.31 | 110 | 70-130 | 6 | 20 |
| Tetrachloroethene | 16.67 | 17.50 | 105 | 70-130 | 4 | 20 |
| 2-Hexanone | 16.67 | 18.61 | 112 | 70-130 | 4 | 20 |
| Dibromochloromethane | 16.67 | 17.92 | 108 | 70-130 | 4 | 20 |
| 1,2-Dibromoethane | 16.67 | 18.26 | 110 | 70-130 | 5 | 20 |
| Chlorobenzene | 16.67 | 16.73 | 100 | 70-130 | 1 | 21 |
| Ethylbenzene | 16.67 | 16.31 | 98 | 70-130 | 2 | 20 |
| m,p-Xylenes | 33.33 | 32.42 | 97 | 70-130 | 6 | 20 |
| o-Xylene | 16.67 | 16.24 | 97 | 70-130 | 4 | 20 |
| Styrene | 16.67 | 18.88 | 113 | 70-130 | 2 | 22 |
| Bromoform | 16.67 | 17.36 | 104 | 70-130 | 4 | 20 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 16.43 | 99 | 70-130 | 5 | 24 |
| 4-Ethyltoluene | 16.67 | 17.02 | 102 | 70-130 | 6 | 22 |
| 1,3,5-Trimethylbenzene | 16.67 | 15.75 | 94 | 70-130 | 6 | 22 |
| 1,2,4-Trimethylbenzene | 16.67 | 15.95 | 96 | 70-130 | 5 | 23 |
| 1,3-Dichlorobenzene | 16.67 | 15.76 | 95 | 70-130 | 2 | 21 |
| 1,4-Dichlorobenzene | 16.67 | 15.59 | 94 | 70-130 | 3 | 22 |
| Benzyl chloride | 16.67 | 17.01 | 102 | 70-130 | 6 | 21 |
| 1,2-Dichlorobenzene | 16.67 | 15.86 | 95 | 70-130 | 6 | 22 |
| 1,2,4-Trichlorobenzene | 16.67 | 19.52 | 117 | 70-130 | 5 | 24 |
| Hexachlorobutadiene | 16.67 | 14.68 | 88 | 70-130 | 5 | 25 |
| Naphthalene | 16.67 | 20.47 | 123 | 67-130 | 4 | 24 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 101 | 70-130 | |



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|------------|----------------------|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Type: | BLANK | Units (M): | ug/m3 | | |
| Lab ID: | QC712807 | Diln Fac: | 1.000 | | |
| Matrix: | Air | Batch#: | 204256 | | |
| Units (V): | ppbv | Analyzed: | 10/21/13 | | |

| 3 m c 1 v r t o | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|------|--------|--------|
| Analyte Freon 12 | | 0.50 | | 2.5 |
| | ND | | ND | |
| Freon 114 | ND | 0.50 | ND | 3.5 |
| Chloromethane | ND | 0.50 | ND | 1.0 |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | |
| Lab ID: | QC712807 | Diln Fac: | 1.000 | | | |
| Matrix: | Air | Batch#: | 204256 | | | |
| Units (V): | ppbv | Analyzed: | 10/21/13 | | | |

| Analyte | Result (V) | RL | Result | t (M) RL |
|---------------------------|------------|------|--------|----------|
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

| | Surrogate %REC | Limits |
|------------|----------------|--------|
| Bromofluor | benzene 91 | 70-130 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 204297 | | | |
| Units (V): | ppbv | Analyzed: | 10/22/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BS Lab ID: QC712972

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|------|--------|
| Freon 12 | 16.67 | 18.49 | 111 | 70-130 |
| Freon 114 | 16.67 | 18.73 | 112 | 70-130 |
| Chloromethane | 16.67 | 20.44 | 123 | 70-130 |
| Vinyl Chloride | 16.67 | 18.63 | 112 | 70-130 |
| 1,3-Butadiene | 16.67 | 19.05 | 114 | 70-130 |
| Bromomethane | 16.67 | 19.29 | 116 | 70-130 |
| Chloroethane | 16.67 | 20.74 | 124 | 70-130 |
| Trichlorofluoromethane | 16.67 | 18.40 | 110 | 70-130 |
| Acrolein | 16.67 | 17.70 | 106 | 61-130 |
| 1,1-Dichloroethene | 16.67 | 21.35 | 128 | 70-130 |
| Freon 113 | 16.67 | 19.07 | 114 | 70-130 |
| Acetone | 16.67 | 18.37 | 110 | 70-130 |
| Carbon Disulfide | 16.67 | 18.56 | 111 | 70-130 |
| Methylene Chloride | 16.67 | 17.00 | 102 | 70-130 |
| trans-1,2-Dichloroethene | 16.67 | 19.18 | 115 | 70-130 |
| MTBE | 16.67 | 18.76 | 113 | 70-130 |
| n-Hexane | 16.67 | 18.40 | 110 | 70-130 |
| 1,1-Dichloroethane | 16.67 | 20.05 | 120 | 70-130 |
| Vinyl Acetate | 16.67 | 20.64 | 124 | 70-130 |
| cis-1,2-Dichloroethene | 16.67 | 18.75 | 113 | 70-130 |
| 2-Butanone | 16.67 | 18.83 | 113 | 70-130 |
| Ethyl Acetate | 16.67 | 18.33 | 110 | 70-130 |
| Tetrahydrofuran | 16.67 | 16.34 | 98 | 70-130 |
| Chloroform | 16.67 | 18.23 | 109 | 70-130 |
| 1,1,1-Trichloroethane | 16.67 | 18.56 | 111 | 70-130 |
| Cyclohexane | 16.67 | 19.71 | 118 | 70-130 |
| Carbon Tetrachloride | 16.67 | 16.53 | 99 | 70-130 |
| Benzene | 16.67 | 19.02 | 114 | 70-130 |
| 1,2-Dichloroethane | 16.67 | 19.81 | 119 | 70-130 |
| n-Heptane | 16.67 | 19.09 | 115 | 70-130 |
| Trichloroethene | 16.67 | 18.73 | 112 | 70-130 |
| 1,2-Dichloropropane | 16.67 | 20.00 | 120 | 70-130 |
| Bromodichloromethane | 16.67 | 18.49 | 111 | 70-130 |
| cis-1,3-Dichloropropene | 16.67 | 19.83 | 119 | 70-130 |

RPD= Relative Percent Difference
Result V= Result in volume units

_



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 204297 | | | |
| Units (V): | ppbv | Analyzed: | 10/22/13 | | | |
| Diln Fac: | 1.000 | | | | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|------|--------|
| 4-Methyl-2-Pentanone | 16.67 | 19.20 | 115 | 70-130 |
| Toluene | 16.67 | 17.99 | 108 | 70-130 |
| trans-1,3-Dichloropropene | 16.67 | 19.44 | 117 | 70-130 |
| 1,1,2-Trichloroethane | 16.67 | 18.43 | 111 | 70-130 |
| Tetrachloroethene | 16.67 | 17.62 | 106 | 70-130 |
| 2-Hexanone | 16.67 | 18.97 | 114 | 70-130 |
| Dibromochloromethane | 16.67 | 18.27 | 110 | 70-130 |
| 1,2-Dibromoethane | 16.67 | 18.63 | 112 | 70-130 |
| Chlorobenzene | 16.67 | 17.42 | 104 | 70-130 |
| Ethylbenzene | 16.67 | 16.32 | 98 | 70-130 |
| m,p-Xylenes | 33.33 | 32.95 | 99 | 70-130 |
| o-Xylene | 16.67 | 16.94 | 102 | 70-130 |
| Styrene | 16.67 | 19.14 | 115 | 70-130 |
| Bromoform | 16.67 | 17.15 | 103 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 16.39 | 98 | 70-130 |
| 4-Ethyltoluene | 16.67 | 16.99 | 102 | 70-130 |
| 1,3,5-Trimethylbenzene | 16.67 | 15.73 | 94 | 70-130 |
| 1,2,4-Trimethylbenzene | 16.67 | 15.97 | 96 | 70-130 |
| 1,3-Dichlorobenzene | 16.67 | 15.92 | 96 | 70-130 |
| 1,4-Dichlorobenzene | 16.67 | 16.09 | 97 | 70-130 |
| Benzyl chloride | 16.67 | 16.89 | 101 | 70-130 |
| 1,2-Dichlorobenzene | 16.67 | 15.46 | 93 | 70-130 |
| 1,2,4-Trichlorobenzene | 16.67 | 12.90 | 77 | 70-130 |
| Hexachlorobutadiene | 16.67 | 13.27 | 80 | 70-130 |
| Naphthalene | 16.67 | 12.49 | 75 | 67-130 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 103 | 70-130 | |

RPD= Relative Percent Difference Result V= Result in volume units Page 2 of 4



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|----------------------|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 204297 | | | |
| Units (V): | ppbv | Analyzed: | 10/22/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BSD Lab ID: QC712973

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|--------------------------|--------|------------|------|--------|-----|-----|
| Freon 12 | 16.67 | 17.86 | 107 | 70-130 | 3 | 20 |
| Freon 114 | 16.67 | 18.07 | 108 | 70-130 | 4 | 20 |
| Chloromethane | 16.67 | 19.97 | 120 | 70-130 | 2 | 24 |
| Vinyl Chloride | 16.67 | 17.70 | 106 | 70-130 | 5 | 24 |
| 1,3-Butadiene | 16.67 | 18.31 | 110 | 70-130 | 4 | 22 |
| Bromomethane | 16.67 | 18.56 | 111 | 70-130 | 4 | 20 |
| Chloroethane | 16.67 | 19.63 | 118 | 70-130 | 5 | 20 |
| Trichlorofluoromethane | 16.67 | 18.15 | 109 | 70-130 | 1 | 21 |
| Acrolein | 16.67 | 18.05 | 108 | 61-130 | 2 | 36 |
| 1,1-Dichloroethene | 16.67 | 20.62 | 124 | 70-130 | 3 | 20 |
| Freon 113 | 16.67 | 17.55 | 105 | 70-130 | 8 | 24 |
| Acetone | 16.67 | 17.99 | 108 | 70-130 | 2 | 21 |
| Carbon Disulfide | 16.67 | 17.78 | 107 | 70-130 | 4 | 21 |
| Methylene Chloride | 16.67 | 16.60 | 100 | 70-130 | 2 | 24 |
| trans-1,2-Dichloroethene | 16.67 | 18.55 | 111 | 70-130 | 3 | 20 |
| MTBE | 16.67 | 18.28 | 110 | 70-130 | 3 | 20 |
| n-Hexane | 16.67 | 18.15 | 109 | 70-130 | 1 | 20 |
| 1,1-Dichloroethane | 16.67 | 19.02 | 114 | 70-130 | 5 | 20 |
| Vinyl Acetate | 16.67 | 19.50 | 117 | 70-130 | 6 | 21 |
| cis-1,2-Dichloroethene | 16.67 | 18.01 | 108 | 70-130 | 4 | 20 |
| 2-Butanone | 16.67 | 18.08 | 109 | 70-130 | 4 | 20 |
| Ethyl Acetate | 16.67 | 17.68 | 106 | 70-130 | 4 | 22 |
| Tetrahydrofuran | 16.67 | 16.07 | 96 | 70-130 | 2 | 20 |
| Chloroform | 16.67 | 17.40 | 104 | 70-130 | 5 | 21 |
| 1,1,1-Trichloroethane | 16.67 | 18.06 | 108 | 70-130 | 3 | 21 |
| Cyclohexane | 16.67 | 19.72 | 118 | 70-130 | 0 | 20 |
| Carbon Tetrachloride | 16.67 | 15.96 | 96 | 70-130 | 4 | 20 |
| Benzene | 16.67 | 18.57 | 111 | 70-130 | 2 | 20 |
| 1,2-Dichloroethane | 16.67 | 19.74 | 118 | 70-130 | 0 | 20 |
| n-Heptane | 16.67 | 19.36 | 116 | 70-130 | 1 | 20 |
| Trichloroethene | 16.67 | 18.08 | 108 | 70-130 | 3 | 20 |
| 1,2-Dichloropropane | 16.67 | 19.70 | 118 | 70-130 | 2 | 20 |
| Bromodichloromethane | 16.67 | 18.54 | 111 | 70-130 | 0 | 20 |
| cis-1,3-Dichloropropene | 16.67 | 19.28 | 116 | 70-130 | 3 | 20 |

RPD= Relative Percent Difference

Result V= Result in volume units

Page 3 of 4



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|----------------------|
| Lab #: | 250058 | Location: | Park Avenue Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 204297 |
| Units (V): | ppbv | Analyzed: | 10/22/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|---------------------------|--------|------------|------|--------|-----|-----|
| 4-Methyl-2-Pentanone | 16.67 | 19.11 | 115 | 70-130 | 0 | 20 |
| Toluene | 16.67 | 17.57 | 105 | 70-130 | 2 | 23 |
| trans-1,3-Dichloropropene | 16.67 | 19.69 | 118 | 70-130 | 1 | 20 |
| 1,1,2-Trichloroethane | 16.67 | 17.56 | 105 | 70-130 | 5 | 20 |
| Tetrachloroethene | 16.67 | 17.67 | 106 | 70-130 | 0 | 20 |
| 2-Hexanone | 16.67 | 18.66 | 112 | 70-130 | 2 | 20 |
| Dibromochloromethane | 16.67 | 17.70 | 106 | 70-130 | 3 | 20 |
| 1,2-Dibromoethane | 16.67 | 18.46 | 111 | 70-130 | 1 | 20 |
| Chlorobenzene | 16.67 | 16.94 | 102 | 70-130 | 3 | 21 |
| Ethylbenzene | 16.67 | 16.70 | 100 | 70-130 | 2 | 20 |
| m,p-Xylenes | 33.33 | 32.24 | 97 | 70-130 | 2 | 20 |
| o-Xylene | 16.67 | 16.55 | 99 | 70-130 | 2 | 20 |
| Styrene | 16.67 | 19.46 | 117 | 70-130 | 2 | 22 |
| Bromoform | 16.67 | 16.78 | 101 | 70-130 | 2 | 20 |
| 1,1,2,2-Tetrachloroethane | 16.67 | 16.45 | 99 | 70-130 | 0 | 24 |
| 4-Ethyltoluene | 16.67 | 16.92 | 101 | 70-130 | 0 | 22 |
| 1,3,5-Trimethylbenzene | 16.67 | 15.84 | 95 | 70-130 | 1 | 22 |
| 1,2,4-Trimethylbenzene | 16.67 | 16.03 | 96 | 70-130 | 0 | 23 |
| 1,3-Dichlorobenzene | 16.67 | 15.83 | 95 | 70-130 | 1 | 21 |
| 1,4-Dichlorobenzene | 16.67 | 15.39 | 92 | 70-130 | 4 | 22 |
| Benzyl chloride | 16.67 | 16.33 | 98 | 70-130 | 3 | 21 |
| 1,2-Dichlorobenzene | 16.67 | 15.05 | 90 | 70-130 | 3 | 22 |
| 1,2,4-Trichlorobenzene | 16.67 | 11.98 | 72 | 70-130 | 7 | 24 |
| Hexachlorobutadiene | 16.67 | 12.74 | 76 | 70-130 | 4 | 25 |
| Naphthalene | 16.67 | 11.51 | 69 | 67-130 | 8 | 24 |

| | Surrogate | %REC | Limits |
|---------|-------------|------|--------|
| Bromofl | lorobenzene | 100 | 70-130 |



| Volatile Organics in Air | | | | | | | | |
|--------------------------|---------------------------------|------------|----------------------|--|--|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | | | |
| Client: | Iris Environmental Prep: METHOD | | | | | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | | | |
| Lab ID: | QC712974 | Diln Fac: | 1.000 | | | | | |
| Matrix: | Air | Batch#: | 204297 | | | | | |
| Units (V): | ppbv | Analyzed: | 10/22/13 | | | | | |

| Analyte | Result (V) | RL | Result | t (M) RL |
|--------------------------|------------|------|----------|----------|
| Freon 12 | ND | 0.50 | ND | 2.5 |
| Freon 114 | ND ND | 0.50 | ND ND | 3.5 |
| Chloromethane | ND ND | 0.50 | ND ND | 1.0 |
| | | | | |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units



| Volatile Organics in Air | | | | | | | | |
|--------------------------|---------------------------------|------------|----------------------|--|--|--|--|--|
| Lab #: | 250058 | Location: | Park Avenue Cleaners | | | | | |
| Client: | Iris Environmental Prep: METHOD | | | | | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | | | |
| Lab ID: | QC712974 | Diln Fac: | 1.000 | | | | | |
| Matrix: | Air | Batch#: | 204297 | | | | | |
| Units (V): | ppbv | Analyzed: | 10/22/13 | | | | | |

| Analyte | Result (V) | RL | Resul | t (M) RL |
|---------------------------|------------|------|-------|----------|
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250914 ANALYTICAL REPORT

Project: 13-945C Iris Environmental

Location : Park Ave. Cleaners 1438 Webster Street

Oakland, CA 94612 Level : II

| Sample ID | <u>Lab ID</u> |
|-----------|---------------|
| SS-05 | 250914-001 |
| SS-01 | 250914-002 |
| SS-03 | 250914-003 |
| SS-04 | 250914-004 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA

Date: <u>11/21/2013</u>



CASE NARRATIVE

Laboratory number: 250914

Client: Iris Environmental

Project: 13-945C

Location: Park Ave. Cleaners

Request Date: 11/19/13 Samples Received: 11/18/13

This data package contains sample and QC results for four air samples, requested for the above referenced project on 11/19/13. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):

Low response was observed for acetone in the CCV analyzed 11/20/13 14:54; affected data was qualified with "b". High responses were observed for naphthalene and 1,2,4-trichlorobenzene; affected data was qualified with "b". Low response was observed for acetone in the CCV analyzed 11/21/13 09:33; affected data was qualified with "b". High recoveries were observed for naphthalene and 1,2,4-trichlorobenzene in the BS/BSD for batch 205287; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples. No other analytical problems were encountered.

| | | | | • | 1 | | | | | | | | | | | | | | - | |
|--|----------|-------------|--------|----------|----------|-----------------|----------|-------------|-------------|----------|------|------|-------|---------|----------|----------------|----|----------------|-----|----------------------|
| IRIS ENVIRONMENTAL | CHAIN | I-OF-C | CUST | ODY | | Date | : 11 | 18 | 113 |) | | Page | : 1 - | of | | Nº | 00 | <u> 036</u> | 18 | |
| 1438 Webster Street, Suite 302 Oakland, California 94612 | | | | | | | | | | | Anal | yses | Requ | iired | | | | | | |
| (510) 834-4747 tel (510) 834-4199 fax | 250 | 91º | 1 | | | | ne reust | | | | | - | | | - | | | | | Number of Containers |
| Sampler Name(s): Sign | n Re(s): | | | | 1 5 | 片 | Hove | | | | | | | | | | | | | ု ပို |
| Tiffany Klitzke Y | Hu) | | | | 70-15 | があ | 48 | | | | | | | | | | | | | umbero |
| Sample ID | Date | Time | Matrix | Pres. | 1 | | | | | | | | | | | | | | | Ž |
| <u>SS-05</u> | 11/18/13 | 1436 | SB | | X | | X | | | | | | | | | | | | | 1 |
| SS-Ø1 | 11118/13 | 1457 | SG | | X | | X | | | | | | | | | | | | | Í |
| §S-ø3 | 11/18/13 | 1520 | | _ | X | | X | | | | | | | | | | | | | 1 |
| SS-84 | 11/18/13 | 1551 | SG | - | X | , | X | | | | | | | | | | | | | 1 |
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| PROJECT INFORMATION | | | | | | | SHED E | | · | | | | REC | EIVED | BY: | | | | | |
| Project Name: Pair trenue Cle | aners | | | | Print | tod New | ani | , ki | fol | ^ | | | Print | ed Name | 1 | | | \overline{n} | | |
| Project Number: 13-945C | - 0- | 1 : | | | Sign | (()) | -un | 1 12 | <u> </u> | L | | | Signa | ature / | 79 | Man | 2 | 4h | MG | a |
| Contact Person: Craia Pelletier | Titany | Klikk | | | | | -F5 | En | Jy | | | *. | | /10 | 4 | 11 | _ | / | | |
| E-mail: Craige Visens.com | tillange | MSen | W-COM | <u>^</u> | | npany _ | TIR | w | 5 | | , | | Co | pany | مح | 1- | | • | | |
| 010 001 17 | EDD | | | | Time | e/Date 7 Z | | 46.13 | (0.1) | <u> </u> | | | Time | /Date | سم در ا | - , | | ا نه، | 7 | |
| | Other: | | | | REI | LINOU | SHED E | 7. 1. 1. | 1011 | 5 | | | DEC | EIVED | <u> </u> | | 44 | <u> </u> | / 3 | |
| Special Instructions/Comments: | | | | | | ted Nam | | | | | | | | ed Name | | | | | | |
| 48 hore kush | | | | | Sign | nature | | | | | | | D: | 1 | | | | | | |
| | | | | | Sign | iditul e | | | | | | | Signa | ature | | | | | | |
| | | | | | Con | npany | | | | | | | Com | pany | | | | | | |
| | | | | | Time | e/Date | | | | | | | Time | /Date | | | | | | |
| | | _ | | | | | | | | | | | | - | | | | | | |

| COOLER RECEIPT CHECI | KLIST | | CUrtis & T | Fompkins, Ltd. |
|---|---|---------------------------------------|-----------------------------------|------------------|
| Login# 250914 Client TRIS | _ Date Received _ Pro | $\frac{1//8/131}{\text{ject}}$ | Number of cooler | rs |
| ', , | | 7 | Pul | |
| Date Opened ///////3By (Date Logged in By (| print) | 7(sign) (sign) | | |
| Did cooler come with a shipping info | ping slip (airbill, et | c) | YES | S (NO) |
| 2A. Were custody seals present How many | | ircle) on cooler | on samples Date | NO |
| 2B. Were custody seals intact upon the custody papers dry and the custody papers filled on the project identifiable from the custody papers filled on the project identifiable from the packing in coolers. | ipon arrival? I intact when receive the property (ink, signments) on custody papers? | gned, etc)? (If so fill out top | YES (YES of form) YES | NO NO |
| |] Foam blocks Cardboard * Notify PM | ☐ Bags ☐ Styrofoam if temperature exc | ☐ None ☐ Paper to ceeds 6°C | wels |
| Type of ice used: 🔲 W | /et □ Blue/Gel | None | Temp(°C) | |
| ☐ Samples Received on | n ice & cold withou | ıt a temperature bl | ank | |
| ☐ Samples received on | ice directly from t | he field. Cooling p | process had begun | n |
| 8. Were Method 5035 samplin If YES, what time were | they transferred to | | | YESNO |
| 9. Did all bottles arrive unbroke | | | | YES NO YES NO |
| 10. Are there any missing / extr11. Are samples in the appropri | | ndicated tests? | | YES NO |
| 12. Are sample labels present, i | | | | YES) NO |
| 13. Do the sample labels agree | | | | VES NO |
| 14. Was sufficient amount of sa | | | (| YES NO |
| 15. Are the samples appropriate | • | | | NO N/A) |
| 16. Did you check preservative | | each sample? | | NO (MA) |
| 17. Did you document your pre | | 1 | | NO N/A |
| 18. Did you change the hold tir | | reserved VOAs? | | NO (V/AK |
| 19. Did you change the hold tir | | | | |
| 20. Are bubbles > 6mm absent | | | | NO (MA) |
| 21. Was the client contacted co | | | | YES 😿 |
| If YES, Who was called | | | Date: | <u></u> |
| COMMENTS | | | | |
| | | | | |
| | | | | |
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| | | | | |

Rev 9, 10/11



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250914 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-05 | Units (M): | ug/m3 |
| Lab ID: | 250914-001 | Batch#: | 205287 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |

| Analyte | Result | (V) | RL | Result | (M) RL | Diln Fac | Analyzed |
|--------------------------|--------|-------|------|--------|--------|----------|----------|
| Freon 12 | ND | | 0.87 | ND | 4.3 | 1.730 | 11/21/13 |
| Freon 114 | ND | | 0.87 | ND | 6.0 | 1.730 | 11/21/13 |
| Chloromethane | ND | | 0.87 | ND | 1.8 | 1.730 | 11/21/13 |
| Vinyl Chloride | ND | | 0.87 | ND | 2.2 | 1.730 | 11/21/13 |
| 1,3-Butadiene | ND | | 0.87 | ND | 1.9 | 1.730 | 11/21/13 |
| Bromomethane | ND | | 0.87 | ND | 3.4 | 1.730 | 11/21/13 |
| Chloroethane | ND | | 0.87 | ND | 2.3 | 1.730 | 11/21/13 |
| Trichlorofluoromethane | ND | | 0.87 | ND | 4.9 | 1.730 | 11/21/13 |
| Acrolein | ND | | 3.5 | ND | 7.9 | 1.730 | 11/21/13 |
| 1,1-Dichloroethene | ND | | 0.87 | ND | 3.4 | 1.730 | 11/21/13 |
| Freon 113 | ND | | 0.87 | ND | 6.6 | 1.730 | 11/21/13 |
| Acetone | • | 7.7 b | 3.5 | 18 | 8.2 | 1.730 | 11/21/13 |
| Carbon Disulfide | ND | | 5.2 | ND | 16 | 10.38 | 11/20/13 |
| Methylene Chloride | ND | | 0.87 | ND | 3.0 | 1.730 | 11/21/13 |
| trans-1,2-Dichloroethene | ND | | 0.87 | ND | 3.4 | 1.730 | 11/21/13 |
| MTBE | ND | | 0.87 | ND | 3.1 | 1.730 | 11/21/13 |
| n-Hexane | ND | | 0.87 | ND | 3.0 | 1.730 | 11/21/13 |
| 1,1-Dichloroethane | ND | | 0.87 | ND | 3.5 | 1.730 | 11/21/13 |
| Vinyl Acetate | ND | | 0.87 | ND | 3.0 | 1.730 | 11/21/13 |
| cis-1,2-Dichloroethene | ND | | 0.87 | ND | 3.4 | 1.730 | 11/21/13 |
| 2-Butanone | ND | | 0.87 | ND | 2.6 | 1.730 | 11/21/13 |
| Ethyl Acetate | ND | | 0.87 | ND | 3.1 | 1.730 | 11/21/13 |
| Tetrahydrofuran | į | 5.5 | 0.87 | 16 | 2.6 | 1.730 | 11/21/13 |
| Chloroform | ND | | 0.87 | ND | 4.2 | 1.730 | 11/21/13 |
| 1,1,1-Trichloroethane | ND | | 0.87 | ND | 4.7 | 1.730 | 11/21/13 |
| Cyclohexane | ND | | 0.87 | ND | 3.0 | 1.730 | 11/21/13 |
| Carbon Tetrachloride | ND | | 0.87 | ND | 5.4 | 1.730 | 11/21/13 |
| Benzene | ND | | 0.87 | ND | 2.8 | 1.730 | 11/21/13 |
| 1,2-Dichloroethane | ND | | 0.87 | ND | 3.5 | 1.730 | 11/21/13 |
| n-Heptane | ND | | 0.87 | ND | 3.5 | 1.730 | 11/21/13 |
| Trichloroethene | ND | | 0.87 | ND | 4.6 | 1.730 | 11/21/13 |
| 1,2-Dichloropropane | ND | | 0.87 | ND | 4.0 | 1.730 | 11/21/13 |
| Bromodichloromethane | ND | | 0.87 | ND | 5.8 | 1.730 | 11/21/13 |
| cis-1,3-Dichloropropene | ND | | 0.87 | ND | 3.9 | 1.730 | 11/21/13 |
| 4-Methyl-2-Pentanone | ND | | 0.87 | ND | 3.5 | 1.730 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250914 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-05 | Units (M): | ug/m3 |
| Lab ID: | 250914-001 | Batch#: | 205287 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |

| Analyte | Result (V) | RL | Result | (M) RL | Diln Fac | Analyzed |
|---------------------------|------------|------|--------|--------|----------|----------|
| Toluene | ND | 0.87 | ND | 3.3 | 1.730 | 11/21/13 |
| trans-1,3-Dichloropropene | ND | 0.87 | ND | 3.9 | 1.730 | 11/21/13 |
| 1,1,2-Trichloroethane | ND | 0.87 | ND | 4.7 | 1.730 | 11/21/13 |
| Tetrachloroethene | 120 | 0.87 | 790 | 5.9 | 1.730 | 11/21/13 |
| 2-Hexanone | ND | 0.87 | ND | 3.5 | 1.730 | 11/21/13 |
| Dibromochloromethane | ND | 0.87 | ND | 7.4 | 1.730 | 11/21/13 |
| 1,2-Dibromoethane | ND | 0.87 | ND | 6.6 | 1.730 | 11/21/13 |
| Chlorobenzene | ND | 0.87 | ND | 4.0 | 1.730 | 11/21/13 |
| Ethylbenzene | ND | 0.87 | ND | 3.8 | 1.730 | 11/21/13 |
| m,p-Xylenes | ND | 0.87 | ND | 3.8 | 1.730 | 11/21/13 |
| o-Xylene | ND | 0.87 | ND | 3.8 | 1.730 | 11/21/13 |
| Styrene | ND | 0.87 | ND | 3.7 | 1.730 | 11/21/13 |
| Bromoform | ND | 0.87 | ND | 8.9 | 1.730 | 11/21/13 |
| 1,1,2,2-Tetrachloroethane | ND | 0.87 | ND | 5.9 | 1.730 | 11/21/13 |
| 4-Ethyltoluene | ND | 0.87 | ND | 4.3 | 1.730 | 11/21/13 |
| 1,3,5-Trimethylbenzene | ND | 0.87 | ND | 4.3 | 1.730 | 11/21/13 |
| 1,2,4-Trimethylbenzene | ND | 0.87 | ND | 4.3 | 1.730 | 11/21/13 |
| 1,3-Dichlorobenzene | ND | 0.87 | ND | 5.2 | 1.730 | 11/21/13 |
| 1,4-Dichlorobenzene | ND | 0.87 | ND | 5.2 | 1.730 | 11/21/13 |
| Benzyl chloride | ND | 0.87 | ND | 4.5 | 1.730 | 11/21/13 |
| 1,2-Dichlorobenzene | ND | 0.87 | ND | 5.2 | 1.730 | 11/21/13 |
| 1,2,4-Trichlorobenzene | ND | 0.87 | ND | 6.4 | 1.730 | 11/21/13 |
| Hexachlorobutadiene | ND | 0.87 | ND | 9.2 | 1.730 | 11/21/13 |
| Naphthalene | ND | 3.5 | ND | 18 | 1.730 | 11/21/13 |

| Surrogate | %REC | Limits | Diln Fac | Analyzed |
|--------------------|------|--------|----------|----------|
| Bromofluorobenzene | 93 | 70-130 | 1.730 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| | Volatil | e Organics in Ai | .r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250914 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-01 | Diln Fac: | 22.92 |
| Lab ID: | 250914-002 | Batch#: | 205287 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|----|--------|--------|
| Freon 12 | ND | 11 | ND | 57 |
| Freon 114 | ND | 11 | ND | 80 |
| Chloromethane | ND | 11 | ND | 24 |
| Vinyl Chloride | ND | 11 | ND | 29 |
| 1,3-Butadiene | ND | 11 | ND | 25 |
| Bromomethane | ND | 11 | ND | 44 |
| Chloroethane | ND | 11 | ND | 30 |
| Trichlorofluoromethane | ND | 11 | ND | 64 |
| Acrolein | ND | 46 | ND | 110 |
| 1,1-Dichloroethene | ND | 11 | ND | 45 |
| Freon 113 | ND | 11 | ND | 88 |
| Acetone | ND | 46 | ND | 110 |
| Carbon Disulfide | ND | 11 | ND | 36 |
| Methylene Chloride | ND | 11 | ND | 40 |
| trans-1,2-Dichloroethene | ND | 11 | ND | 45 |
| MTBE | ND | 11 | ND | 41 |
| n-Hexane | ND | 11 | ND | 40 |
| 1,1-Dichloroethane | ND | 11 | ND | 46 |
| Vinyl Acetate | ND | 11 | ND | 40 |
| cis-1,2-Dichloroethene | ND | 11 | ND | 45 |
| 2-Butanone | ND | 11 | ND | 34 |
| Ethyl Acetate | ND | 11 | ND | 41 |
| Tetrahydrofuran | ND | 11 | ND | 34 |
| Chloroform | ND | 11 | ND | 56 |
| 1,1,1-Trichloroethane | ND | 11 | ND | 63 |
| Cyclohexane | ND | 11 | ND | 39 |
| Carbon Tetrachloride | ND | 11 | ND | 72 |
| Benzene | ND | 11 | ND | 37 |
| 1,2-Dichloroethane | ND | 11 | ND | 46 |
| n-Heptane | ND | 11 | ND | 47 |
| Trichloroethene | ND | 11 | ND | 62 |
| 1,2-Dichloropropane | ND | 11 | ND | 53 |
| Bromodichloromethane | ND | 11 | ND | 77 |
| cis-1,3-Dichloropropene | ND | 11 | ND | 52 |
| 4-Methyl-2-Pentanone | ND | 11 | ND | 47 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| | Volatil | e Organics in Ai | .r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250914 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SS-01 | Diln Fac: | 22.92 |
| Lab ID: | 250914-002 | Batch#: | 205287 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 |

| Analyte | Result (V) | RL | Result (1 | M) RL |
|---------------------------|------------|----|-----------|-------|
| Toluene | ND | 11 | ND | 43 |
| trans-1,3-Dichloropropene | ND | 11 | ND | 52 |
| 1,1,2-Trichloroethane | ND | 11 | ND | 63 |
| Tetrachloroethene | 1,500 | 11 | 10,000 | 78 |
| 2-Hexanone | ND | 11 | ND | 47 |
| Dibromochloromethane | ND | 11 | ND | 98 |
| 1,2-Dibromoethane | ND | 11 | ND | 88 |
| Chlorobenzene | ND | 11 | ND | 53 |
| Ethylbenzene | ND | 11 | ND | 50 |
| m,p-Xylenes | ND | 11 | ND | 50 |
| o-Xylene | ND | 11 | ND | 50 |
| Styrene | ND | 11 | ND | 49 |
| Bromoform | ND | 11 | ND | 120 |
| 1,1,2,2-Tetrachloroethane | ND | 11 | ND | 79 |
| 4-Ethyltoluene | ND | 11 | ND | 56 |
| 1,3,5-Trimethylbenzene | ND | 11 | ND | 56 |
| 1,2,4-Trimethylbenzene | ND | 11 | ND | 56 |
| 1,3-Dichlorobenzene | ND | 11 | ND | 69 |
| 1,4-Dichlorobenzene | ND | 11 | ND | 69 |
| Benzyl chloride | ND | 11 | ND | 59 |
| 1,2-Dichlorobenzene | ND | 11 | ND | 69 |
| 1,2,4-Trichlorobenzene | ND | 11 | ND | 85 |
| Hexachlorobutadiene | ND | 11 | ND | 120 |
| Naphthalene | ND | 46 | ND | 240 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 101 | 70-130 | |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-03 | Units (M): | ug/m3 | | | |
| Lab ID: | 250914-003 | Batch#: | 205287 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL | Diln Fac | Analyzed |
|--------------------------|------------|------|--------|--------|----------|----------|
| Freon 12 | ND | 0.92 | ND | 4.5 | 1.830 | 11/21/13 |
| Freon 114 | ND | 0.92 | ND | 6.4 | 1.830 | 11/21/13 |
| Chloromethane | ND | 0.92 | ND | 1.9 | 1.830 | 11/21/13 |
| Vinyl Chloride | ND | 0.92 | ND | 2.3 | 1.830 | 11/21/13 |
| 1,3-Butadiene | ND | 0.92 | ND | 2.0 | 1.830 | 11/21/13 |
| Bromomethane | ND | 0.92 | ND | 3.6 | 1.830 | 11/21/13 |
| Chloroethane | ND | 0.92 | ND | 2.4 | 1.830 | 11/21/13 |
| Trichlorofluoromethane | ND | 0.92 | ND | 5.1 | 1.830 | 11/21/13 |
| Acrolein | ND | 3.7 | ND | 8.4 | 1.830 | 11/21/13 |
| 1,1-Dichloroethene | ND | 0.92 | ND | 3.6 | 1.830 | 11/21/13 |
| Freon 113 | ND | 0.92 | ND | 7.0 | 1.830 | 11/21/13 |
| Acetone | 5.2 b | 3.7 | 12 | 8.7 | 1.830 | 11/21/13 |
| Carbon Disulfide | ND | 5.5 | ND | 17 | 10.98 | 11/20/13 |
| Methylene Chloride | ND | 0.92 | ND | 3.2 | 1.830 | 11/21/13 |
| trans-1,2-Dichloroethene | ND | 0.92 | ND | 3.6 | 1.830 | 11/21/13 |
| MTBE | ND | 0.92 | ND | 3.3 | 1.830 | 11/21/13 |
| n-Hexane | ND | 0.92 | ND | 3.2 | 1.830 | 11/21/13 |
| 1,1-Dichloroethane | ND | 0.92 | ND | 3.7 | 1.830 | 11/21/13 |
| Vinyl Acetate | ND | 0.92 | ND | 3.2 | 1.830 | 11/21/13 |
| cis-1,2-Dichloroethene | ND | 0.92 | ND | 3.6 | 1.830 | 11/21/13 |
| 2-Butanone | ND | 0.92 | ND | 2.7 | 1.830 | 11/21/13 |
| Ethyl Acetate | ND | 0.92 | ND | 3.3 | 1.830 | 11/21/13 |
| Tetrahydrofuran | ND | 0.92 | ND | 2.7 | 1.830 | 11/21/13 |
| Chloroform | ND | 0.92 | ND | 4.5 | 1.830 | 11/21/13 |
| 1,1,1-Trichloroethane | ND | 0.92 | ND | 5.0 | 1.830 | 11/21/13 |
| Cyclohexane | ND | 0.92 | ND | 3.1 | 1.830 | 11/21/13 |
| Carbon Tetrachloride | ND | 0.92 | ND | 5.8 | 1.830 | 11/21/13 |
| Benzene | ND | 0.92 | ND | 2.9 | 1.830 | 11/21/13 |
| 1,2-Dichloroethane | ND | 0.92 | ND | 3.7 | 1.830 | 11/21/13 |
| n-Heptane | ND | 0.92 | ND | 3.7 | 1.830 | 11/21/13 |
| Trichloroethene | ND | 0.92 | ND | 4.9 | 1.830 | 11/21/13 |
| 1,2-Dichloropropane | ND | 0.92 | ND | 4.2 | 1.830 | 11/21/13 |
| Bromodichloromethane | ND | 0.92 | ND | 6.1 | 1.830 | 11/21/13 |
| cis-1,3-Dichloropropene | ND | 0.92 | ND | 4.2 | 1.830 | 11/21/13 |
| 4-Methyl-2-Pentanone | ND | 0.92 | ND | 3.7 | 1.830 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-03 | Units (M): | ug/m3 | | | |
| Lab ID: | 250914-003 | Batch#: | 205287 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |

| Analyte | Result (V) | RL | Result (1 | M) RL | Diln Fac | Analyzed |
|---------------------------|------------|------|-----------|-------|----------|----------|
| Toluene | ND | 0.92 | ND | 3.4 | 1.830 | 11/21/13 |
| trans-1,3-Dichloropropene | ND | 0.92 | ND | 4.2 | 1.830 | 11/21/13 |
| 1,1,2-Trichloroethane | ND | 0.92 | ND | 5.0 | 1.830 | 11/21/13 |
| Tetrachloroethene | 62 | 0.92 | 420 | 6.2 | 1.830 | 11/21/13 |
| 2-Hexanone | ND | 0.92 | ND | 3.7 | 1.830 | 11/21/13 |
| Dibromochloromethane | ND | 0.92 | ND | 7.8 | 1.830 | 11/21/13 |
| 1,2-Dibromoethane | ND | 0.92 | ND | 7.0 | 1.830 | 11/21/13 |
| Chlorobenzene | ND | 0.92 | ND | 4.2 | 1.830 | 11/21/13 |
| Ethylbenzene | ND | 0.92 | ND | 4.0 | 1.830 | 11/21/13 |
| m,p-Xylenes | ND | 0.92 | ND | 4.0 | 1.830 | 11/21/13 |
| o-Xylene | ND | 0.92 | ND | 4.0 | 1.830 | 11/21/13 |
| Styrene | ND | 0.92 | ND | 3.9 | 1.830 | 11/21/13 |
| Bromoform | ND | 0.92 | ND | 9.5 | 1.830 | 11/21/13 |
| 1,1,2,2-Tetrachloroethane | ND | 0.92 | ND | 6.3 | 1.830 | 11/21/13 |
| 4-Ethyltoluene | ND | 0.92 | ND | 4.5 | 1.830 | 11/21/13 |
| 1,3,5-Trimethylbenzene | ND | 0.92 | ND | 4.5 | 1.830 | 11/21/13 |
| 1,2,4-Trimethylbenzene | ND | 0.92 | ND | 4.5 | 1.830 | 11/21/13 |
| 1,3-Dichlorobenzene | ND | 0.92 | ND | 5.5 | 1.830 | 11/21/13 |
| 1,4-Dichlorobenzene | ND | 0.92 | ND | 5.5 | 1.830 | 11/21/13 |
| Benzyl chloride | ND | 0.92 | ND | 4.7 | 1.830 | 11/21/13 |
| 1,2-Dichlorobenzene | ND | 0.92 | ND | 5.5 | 1.830 | 11/21/13 |
| 1,2,4-Trichlorobenzene | ND | 0.92 | ND | 6.8 | 1.830 | 11/21/13 |
| Hexachlorobutadiene | ND | 0.92 | ND | 9.8 | 1.830 | 11/21/13 |
| Naphthalene | ND | 3.7 | ND | 19 | 1.830 | 11/21/13 |

| Surrogate | %REC | Limits | Diln Fac | Analyzed |
|--------------------|------|--------|----------|----------|
| Bromofluorobenzene | 92 | 70-130 | 1.830 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-04 | Units (M): | ug/m3 | | | |
| Lab ID: | 250914-004 | Batch#: | 205287 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL | Diln Fac | Analyzed |
|--------------------------|------------|------|--------|--------|----------|----------|
| Freon 12 | ND b | 0.89 | ND | 4.4 | 1.770 | 11/21/13 |
| Freon 114 | ND b | 0.89 | ND | 6.2 | 1.770 | 11/21/13 |
| Chloromethane | ND b | 0.89 | ND | 1.8 | 1.770 | 11/21/13 |
| Vinyl Chloride | ND b | 0.89 | ND | 2.3 | 1.770 | 11/21/13 |
| 1,3-Butadiene | ND b | 0.89 | ND | 2.0 | 1.770 | 11/21/13 |
| Bromomethane | ND b | 0.89 | ND | 3.4 | 1.770 | 11/21/13 |
| Chloroethane | ND b | 0.89 | ND | 2.3 | 1.770 | 11/21/13 |
| Trichlorofluoromethane | ND b | 0.89 | ND | 5.0 | 1.770 | 11/21/13 |
| Acrolein | ND b | 3.5 | ND | 8.1 | 1.770 | 11/21/13 |
| 1,1-Dichloroethene | ND b | 0.89 | ND | 3.5 | 1.770 | 11/21/13 |
| Freon 113 | ND b | 0.89 | ND | 6.8 | 1.770 | 11/21/13 |
| Acetone | 8.2 b | 3.5 | 20 | 8.4 | 1.770 | 11/21/13 |
| Carbon Disulfide | ND b | 5.3 | ND | 17 | 10.62 | 11/20/13 |
| Methylene Chloride | ND b | 0.89 | ND | 3.1 | 1.770 | 11/21/13 |
| trans-1,2-Dichloroethene | ND b | 0.89 | ND | 3.5 | 1.770 | 11/21/13 |
| MTBE | ND b | 0.89 | ND | 3.2 | 1.770 | 11/21/13 |
| n-Hexane | ND b | 0.89 | ND | 3.1 | 1.770 | 11/21/13 |
| 1,1-Dichloroethane | ND b | 0.89 | ND | 3.6 | 1.770 | 11/21/13 |
| Vinyl Acetate | ND b | 0.89 | ND | 3.1 | 1.770 | 11/21/13 |
| cis-1,2-Dichloroethene | ND b | 0.89 | ND | 3.5 | 1.770 | 11/21/13 |
| 2-Butanone | 1.8 b | 0.89 | 5.2 | 2.6 | 1.770 | 11/21/13 |
| Ethyl Acetate | ND b | 0.89 | ND | 3.2 | 1.770 | 11/21/13 |
| Tetrahydrofuran | ND b | 0.89 | ND | 2.6 | 1.770 | 11/21/13 |
| Chloroform | 4.9 b | 0.89 | 24 | 4.3 | 1.770 | 11/21/13 |
| 1,1,1-Trichloroethane | ND b | 0.89 | ND | 4.8 | 1.770 | 11/21/13 |
| Cyclohexane | ND b | 0.89 | ND | 3.0 | 1.770 | 11/21/13 |
| Carbon Tetrachloride | ND b | 0.89 | ND | 5.6 | 1.770 | 11/21/13 |
| Benzene | ND b | 0.89 | ND | 2.8 | 1.770 | 11/21/13 |
| 1,2-Dichloroethane | ND b | 0.89 | ND | 3.6 | 1.770 | 11/21/13 |
| n-Heptane | ND b | 0.89 | ND | 3.6 | 1.770 | 11/21/13 |
| Trichloroethene | ND b | 0.89 | ND | 4.8 | 1.770 | 11/21/13 |
| 1,2-Dichloropropane | ND b | 0.89 | ND | 4.1 | 1.770 | 11/21/13 |
| Bromodichloromethane | ND b | 0.89 | ND | 5.9 | 1.770 | 11/21/13 |
| cis-1,3-Dichloropropene | ND b | 0.89 | ND | 4.0 | 1.770 | 11/21/13 |
| 4-Methyl-2-Pentanone | ND b | 0.89 | ND | 3.6 | 1.770 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SS-04 | Units (M): | ug/m3 | | | |
| Lab ID: | 250914-004 | Batch#: | 205287 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |

| Analyte | Result (V) | RL | Result (M |) RL | Diln Fac | Analyzed |
|---------------------------|------------|------|-----------|------|----------|----------|
| Toluene | ND b | 0.89 | ND | 3.3 | 1.770 | 11/21/13 |
| trans-1,3-Dichloropropene | ND b | 0.89 | ND | 4.0 | 1.770 | 11/21/13 |
| 1,1,2-Trichloroethane | ND b | 0.89 | ND | 4.8 | 1.770 | 11/21/13 |
| Tetrachloroethene | 72 b | 0.89 | 490 | 6.0 | 1.770 | 11/21/13 |
| 2-Hexanone | ND b | 0.89 | ND | 3.6 | 1.770 | 11/21/13 |
| Dibromochloromethane | ND b | 0.89 | ND | 7.5 | 1.770 | 11/21/13 |
| 1,2-Dibromoethane | ND b | 0.89 | ND | 6.8 | 1.770 | 11/21/13 |
| Chlorobenzene | ND b | 0.89 | ND | 4.1 | 1.770 | 11/21/13 |
| Ethylbenzene | ND b | 0.89 | ND | 3.8 | 1.770 | 11/21/13 |
| m,p-Xylenes | ND b | 0.89 | ND | 3.8 | 1.770 | 11/21/13 |
| o-Xylene | ND b | 0.89 | ND | 3.8 | 1.770 | 11/21/13 |
| Styrene | ND b | 0.89 | ND | 3.8 | 1.770 | 11/21/13 |
| Bromoform | ND b | 0.89 | ND | 9.1 | 1.770 | 11/21/13 |
| 1,1,2,2-Tetrachloroethane | ND b | 0.89 | ND | 6.1 | 1.770 | 11/21/13 |
| 4-Ethyltoluene | ND b | 0.89 | ND | 4.4 | 1.770 | 11/21/13 |
| 1,3,5-Trimethylbenzene | ND b | 0.89 | ND | 4.4 | 1.770 | 11/21/13 |
| 1,2,4-Trimethylbenzene | ND b | 0.89 | ND | 4.4 | 1.770 | 11/21/13 |
| 1,3-Dichlorobenzene | ND b | 0.89 | ND | 5.3 | 1.770 | 11/21/13 |
| 1,4-Dichlorobenzene | ND b | 0.89 | ND | 5.3 | 1.770 | 11/21/13 |
| Benzyl chloride | ND b | 0.89 | ND | 4.6 | 1.770 | 11/21/13 |
| 1,2-Dichlorobenzene | ND b | 0.89 | ND | 5.3 | 1.770 | 11/21/13 |
| 1,2,4-Trichlorobenzene | ND b | 0.89 | ND | 6.6 | 1.770 | 11/21/13 |
| Hexachlorobutadiene | ND b | 0.89 | ND | 9.4 | 1.770 | 11/21/13 |
| Naphthalene | ND b | 3.5 | ND | 19 | 1.770 | 11/21/13 |

| Surrogate | %REC | Limits | Diln Fac | Analyzed |
|--------------------|-------|--------|----------|----------|
| Bromofluorobenzene | 101 b | 70-130 | 1.770 | 11/21/13 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205287 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BS Lab ID: QC717020

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|------|--------|
| Freon 12 | 10.00 | 9.370 | 94 | 70-130 |
| Freon 114 | 10.00 | 9.506 | 95 | 70-130 |
| Chloromethane | 10.00 | 9.140 | 91 | 70-130 |
| Vinyl Chloride | 10.00 | 9.408 | 94 | 70-130 |
| 1,3-Butadiene | 10.00 | 9.216 | 92 | 70-130 |
| Bromomethane | 10.00 | 9.411 | 94 | 70-130 |
| Chloroethane | 10.00 | 9.318 | 93 | 70-130 |
| Trichlorofluoromethane | 10.00 | 9.431 | 94 | 70-130 |
| Acrolein | 10.00 | 7.942 | 79 | 62-130 |
| 1,1-Dichloroethene | 10.00 | 8.994 | 90 | 70-130 |
| Freon 113 | 10.00 | 8.863 | 89 | 70-130 |
| Acetone | 10.00 | 6.723 b | 67 | 67-130 |
| Carbon Disulfide | 10.00 | 7.033 | 70 | 70-130 |
| Methylene Chloride | 10.00 | 8.031 | 80 | 68-130 |
| trans-1,2-Dichloroethene | 10.00 | 9.798 | 98 | 70-130 |
| MTBE | 10.00 | 8.869 | 89 | 70-130 |
| n-Hexane | 10.00 | 9.435 | 94 | 70-130 |
| 1,1-Dichloroethane | 10.00 | 9.932 | 99 | 70-130 |
| Vinyl Acetate | 10.00 | 11.21 | 112 | 70-130 |
| cis-1,2-Dichloroethene | 10.00 | 9.494 | 95 | 70-130 |
| 2-Butanone | 10.00 | 9.782 | 98 | 70-130 |
| Ethyl Acetate | 10.00 | 9.489 | 95 | 70-130 |
| Tetrahydrofuran | 10.00 | 9.110 | 91 | 70-130 |
| Chloroform | 10.00 | 9.231 | 92 | 70-130 |
| 1,1,1-Trichloroethane | 10.00 | 9.691 | 97 | 70-130 |
| Cyclohexane | 10.00 | 9.727 | 97 | 70-130 |
| Carbon Tetrachloride | 10.00 | 10.02 | 100 | 70-130 |
| Benzene | 10.00 | 9.634 | 96 | 70-130 |
| 1,2-Dichloroethane | 10.00 | 9.879 | 99 | 70-130 |
| n-Heptane | 10.00 | 9.982 | 100 | 70-130 |
| Trichloroethene | 10.00 | 9.637 | 96 | 70-130 |
| 1,2-Dichloropropane | 10.00 | 10.18 | 102 | 70-130 |

^{*=} Value outside of QC limits; see narrative

Page 1 of 4 6.0

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205287 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|-------|--------|
| Bromodichloromethane | 10.00 | 9.886 | 99 | 70-130 |
| cis-1,3-Dichloropropene | 10.00 | 10.46 | 105 | 70-130 |
| 4-Methyl-2-Pentanone | 10.00 | 10.48 | 105 | 70-130 |
| Toluene | 10.00 | 10.22 | 102 | 70-130 |
| trans-1,3-Dichloropropene | 10.00 | 10.45 | 104 | 70-130 |
| 1,1,2-Trichloroethane | 10.00 | 10.64 | 106 | 70-130 |
| Tetrachloroethene | 10.00 | 10.38 | 104 | 70-130 |
| 2-Hexanone | 10.00 | 12.30 | 123 | 70-130 |
| Dibromochloromethane | 10.00 | 11.06 | 111 | 70-130 |
| 1,2-Dibromoethane | 10.00 | 11.16 | 112 | 70-130 |
| Chlorobenzene | 10.00 | 10.95 | 109 | 70-130 |
| Ethylbenzene | 10.00 | 9.381 | 94 | 70-130 |
| m,p-Xylenes | 20.00 | 19.70 | 98 | 70-130 |
| o-Xylene | 10.00 | 9.376 | 94 | 70-130 |
| Styrene | 10.00 | 11.23 | 112 | 70-130 |
| Bromoform | 10.00 | 10.90 | 109 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 10.73 | 107 | 70-130 |
| 4-Ethyltoluene | 10.00 | 10.78 | 108 | 70-130 |
| 1,3,5-Trimethylbenzene | 10.00 | 9.624 | 96 | 70-130 |
| 1,2,4-Trimethylbenzene | 10.00 | 9.914 | 99 | 70-130 |
| 1,3-Dichlorobenzene | 10.00 | 10.26 | 103 | 70-130 |
| 1,4-Dichlorobenzene | 10.00 | 10.29 | 103 | 70-130 |
| Benzyl chloride | 10.00 | 11.59 | 116 | 70-130 |
| 1,2-Dichlorobenzene | 10.00 | 10.41 | 104 | 70-130 |
| 1,2,4-Trichlorobenzene | 10.00 | 15.39 b | 154 * | 62-130 |
| Hexachlorobutadiene | 10.00 | 11.75 | 117 | 68-130 |
| Naphthalene | 10.00 | 17.95 b | 179 * | 54-136 |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| Bromofluorobenzene | 88 | 70-130 |

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^{*=} Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 205287 | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | |
| Diln Fac: | 1.000 | | | | |

Type: BSD Lab ID: QC717021

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|--------------------------|--------|------------|------|--------|-----|-----|
| Freon 12 | 10.00 | 9.888 | 99 | 70-130 | 5 | 20 |
| Freon 114 | 10.00 | 9.937 | 99 | 70-130 | 4 | 20 |
| Chloromethane | 10.00 | 9.711 | 97 | 70-130 | 6 | 27 |
| Vinyl Chloride | 10.00 | 10.05 | 101 | 70-130 | 7 | 23 |
| 1,3-Butadiene | 10.00 | 9.447 | 94 | 70-130 | 2 | 21 |
| Bromomethane | 10.00 | 9.938 | 99 | 70-130 | 5 | 20 |
| Chloroethane | 10.00 | 9.434 | 94 | 70-130 | 1 | 20 |
| Trichlorofluoromethane | 10.00 | 9.781 | 98 | 70-130 | 4 | 20 |
| Acrolein | 10.00 | 8.286 | 83 | 62-130 | 4 | 31 |
| 1,1-Dichloroethene | 10.00 | 9.143 | 91 | 70-130 | 2 | 20 |
| Freon 113 | 10.00 | 9.417 | 94 | 70-130 | 6 | 23 |
| Acetone | 10.00 | 6.937 b | 69 | 67-130 | 3 | 20 |
| Carbon Disulfide | 10.00 | 7.312 | 73 | 70-130 | 4 | 20 |
| Methylene Chloride | 10.00 | 8.353 | 84 | 68-130 | 4 | 23 |
| trans-1,2-Dichloroethene | 10.00 | 9.859 | 99 | 70-130 | 1 | 20 |
| MTBE | 10.00 | 9.111 | 91 | 70-130 | 3 | 20 |
| n-Hexane | 10.00 | 9.624 | 96 | 70-130 | 2 | 20 |
| 1,1-Dichloroethane | 10.00 | 10.27 | 103 | 70-130 | 3 | 20 |
| Vinyl Acetate | 10.00 | 11.69 | 117 | 70-130 | 4 | 21 |
| cis-1,2-Dichloroethene | 10.00 | 9.819 | 98 | 70-130 | 3 | 20 |
| 2-Butanone | 10.00 | 10.01 | 100 | 70-130 | 2 | 20 |
| Ethyl Acetate | 10.00 | 9.994 | 100 | 70-130 | 5 | 20 |
| Tetrahydrofuran | 10.00 | 9.372 | 94 | 70-130 | 3 | 20 |
| Chloroform | 10.00 | 9.692 | 97 | 70-130 | 5 | 20 |
| 1,1,1-Trichloroethane | 10.00 | 9.884 | 99 | 70-130 | 2 | 20 |
| Cyclohexane | 10.00 | 9.979 | 100 | 70-130 | 3 | 20 |
| Carbon Tetrachloride | 10.00 | 10.06 | 101 | 70-130 | 0 | 20 |
| Benzene | 10.00 | 10.16 | 102 | 70-130 | 5 | 20 |
| 1,2-Dichloroethane | 10.00 | 10.23 | 102 | 70-130 | 4 | 20 |
| n-Heptane | 10.00 | 10.40 | 104 | 70-130 | 4 | 20 |
| Trichloroethene | 10.00 | 9.874 | 99 | 70-130 | 2 | 20 |
| 1,2-Dichloropropane | 10.00 | 10.64 | 106 | 70-130 | 4 | 20 |

^{*=} Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units

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| Volatile Organics in Air | | | | |
|--------------------------|--------------------|-----------|--------------------|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Matrix: | Air | Batch#: | 205287 | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | |
| Diln Fac: | 1.000 | | | |

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|---------------------------|--------|------------|-------|--------|-----|-----|
| Bromodichloromethane | 10.00 | 9.947 | 99 | 70-130 | 1 | 20 |
| cis-1,3-Dichloropropene | 10.00 | 10.49 | 105 | 70-130 | 0 | 20 |
| 4-Methyl-2-Pentanone | 10.00 | 10.68 | 107 | 70-130 | 2 | 20 |
| Toluene | 10.00 | 9.948 | 99 | 70-130 | 3 | 23 |
| trans-1,3-Dichloropropene | 10.00 | 10.86 | 109 | 70-130 | 4 | 20 |
| 1,1,2-Trichloroethane | 10.00 | 10.55 | 105 | 70-130 | 1 | 20 |
| Tetrachloroethene | 10.00 | 9.958 | 100 | 70-130 | 4 | 20 |
| 2-Hexanone | 10.00 | 11.65 | 117 | 70-130 | 5 | 21 |
| Dibromochloromethane | 10.00 | 10.63 | 106 | 70-130 | 4 | 20 |
| 1,2-Dibromoethane | 10.00 | 10.70 | 107 | 70-130 | 4 | 20 |
| Chlorobenzene | 10.00 | 10.50 | 105 | 70-130 | 4 | 21 |
| Ethylbenzene | 10.00 | 9.070 | 91 | 70-130 | 3 | 20 |
| m,p-Xylenes | 20.00 | 18.91 | 95 | 70-130 | 4 | 20 |
| o-Xylene | 10.00 | 9.190 | 92 | 70-130 | 2 | 20 |
| Styrene | 10.00 | 10.90 | 109 | 70-130 | 3 | 21 |
| Bromoform | 10.00 | 10.64 | 106 | 70-130 | 2 | 20 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 10.48 | 105 | 70-130 | 2 | 24 |
| 4-Ethyltoluene | 10.00 | 10.12 | 101 | 70-130 | 6 | 22 |
| 1,3,5-Trimethylbenzene | 10.00 | 9.278 | 93 | 70-130 | 4 | 23 |
| 1,2,4-Trimethylbenzene | 10.00 | 9.867 | 99 | 70-130 | 0 | 24 |
| 1,3-Dichlorobenzene | 10.00 | 10.12 | 101 | 70-130 | 1 | 22 |
| 1,4-Dichlorobenzene | 10.00 | 10.10 | 101 | 70-130 | 2 | 22 |
| Benzyl chloride | 10.00 | 11.24 | 112 | 70-130 | 3 | 21 |
| 1,2-Dichlorobenzene | 10.00 | 9.891 | 99 | 70-130 | 5 | 22 |
| 1,2,4-Trichlorobenzene | 10.00 | 12.56 b | 126 | 62-130 | 20 | 28 |
| Hexachlorobutadiene | 10.00 | 11.07 | 111 | 68-130 | 6 | 27 |
| Naphthalene | 10.00 | 14.17 b | 142 * | 54-136 | 24 | 29 |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| Bromofluorobenzene | 90 | 70-130 |

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^{*=} Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|------------|--------------------|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Type: | BLANK | Units (M): | ug/m3 | |
| Lab ID: | QC717022 | Diln Fac: | 1.000 | |
| Matrix: | Air | Batch#: | 205287 | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | |

| Analyte | Result (V) | RL | Result | : (M) RL |
|--------------------------|------------|------|--------|----------|
| Freon 12 | ND | 0.50 | ND | 2.5 |
| Freon 114 | ND | 0.50 | ND | 3.5 |
| Chloromethane | ND | 0.50 | ND | 1.0 |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | |
|--------------------------|--------------------|------------|--------------------|--|
| Lab #: | 250914 | Location: | Park Ave. Cleaners | |
| Client: | Iris Environmental | Prep: | METHOD | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | |
| Type: | BLANK | Units (M): | ug/m3 | |
| Lab ID: | QC717022 | Diln Fac: | 1.000 | |
| Matrix: | Air | Batch#: | 205287 | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | |

| Analyte | Result (V) | RL | Resul | t (M) RL |
|---------------------------|------------|------|-------|----------|
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

| | Surrogate | %REC | Limits |
|----------|------------|------|--------|
| Bromoflu | orobenzene | 94 | 70-130 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 250905 ANALYTICAL REPORT

Project : 13-945C Iris Environmental

Location : Park Ave. Cleaners 1438 Webster Street

Oakland, CA 94612 Level : II

| Sample ID | <u>Lab ID</u> |
|-----------|---------------|
| SV-03 | 250905-001 |
| SV-07 | 250905-002 |
| SV-08 | 250905-003 |
| SV-01 | 250905-004 |
| SV-01-DUP | 250905-005 |
| SV-04 | 250905-006 |
| SV-06 | 250905-007 |
| SV-05 | 250905-008 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:

Tracy Babjar Project Manager tracy.babjar@ctberk.com

(510) 204-2226

NELAP # 01107CA

Date: <u>11/20/2013</u>



CASE NARRATIVE

Laboratory number: 250905

Client: Iris Environmental

Project: 13-945C

Location: Park Ave. Cleaners

Request Date: 11/18/13 Samples Received: 11/18/13

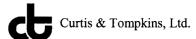
This data package contains sample and QC results for eight air samples, requested for the above referenced project on 11/18/13. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):

High response was observed for n-heptane in the CCV analyzed 11/20/13 10:05; affected data was qualified with "b". High recoveries were observed for a number of analytes in the BSD for batch 205231; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples. High RPD was observed for naphthalene in the BS/BSD for batch 205231; this analyte was not detected at or above the RL in the associated samples. High recoveries were observed for n-heptane in the BS/BSD for batch 205279; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. High surrogate recoveries were observed for bromofluorobenzene in many samples. No other analytical problems were encountered.

| IRIS ENVIRONMENTAL | CHAIN | V-OF- | CUSTO | DY | | Date | : H | / 18 | 1 | 13 | | Page | : \ | of \ | | Nº | 00 | 361 | 6 |
|--|---------------|-------|-------------|-------|------------------------------|-----------|------|----------|-----|-------------|-----|-------|---------|---------------------|------|---------------|--------------|----------|----------------------|
| 1438 Webster Street, Suite 302 Oakland, California 94612 | | | | | | | | | | | Ana | lyses | Req | uired | | | | | |
| (510) 834-4747 tel (510) 834-4199 fax | 25 | 091 | 05 | | | Keet | | | | | | | | | | | | | itainers |
| Sampler Name(s): Tiffcing Kitche | Signature(s): | | 20.44 | | To - 15 | 48 Houre | *** | | | | | | | | | | | | Number of Containers |
| Sample ID | Date | Time | Matrix | Pres. | , | ر. | | | | | | | : | | | | | | j Z |
| SV-03 | 1118113 | 0157 | Se | | X | X | | | | | | | | | | | | | 1 |
| SV-07 | | 1048 | i | | X | X | | | | | | | | | | | | | 1 |
| SV - 08 | | GIII | | | X | X. | | | | | | | | | | | | | + |
| 54-01 | | 1225 | | | X | X | | | | | | | - 11. | | | | | | + |
| SV-01-DUP | | 1235 | | 1 | Ý | X | | | | | | | | | | | | | |
| 51-04 | | 1300 | | | X | V | | | - 1 | | | | | | | | | | +; |
| 5 V - 86 | | 1402 | | | $\langle \mathbf{x} \rangle$ | Ŷ | | | | | | | | | | | | _ _ | 1. |
| SV-ØS | 1 | 1346 | | 1 | $\langle \rangle$ | λ | | | | | | | | | | | | | |
| | | 17 | W 10 | | $\boldsymbol{\Lambda}$ | /_ | | | | <u> </u> | | | | | ., | , | | | +- |
| | | | | | | | | | | | | | | | | \rightarrow | \downarrow | | |
| PROJECT INFORMATION | | | <u> </u> | | REL | INQUI | SHED | BY: | | L | | | REC | EIVED | BY: | | | <u> </u> | |
| Project Name: Park Avenue C | leaners | | **** | | Printe | ed Nam | е |) a | .11 | | | | | ed Name | 1 | | . 1 | T | |
| Project Number: 13 4450 | | | | | Signa | THE | it y | (K | 150 | ٠ | | | Sian | <i>Ӈ</i> ature 🤇 | and | an | HI | inse | af |
| Contact Person: Craig Pelletier, T. E-mail: Craig@insenvicen | frany K. t | zke_ | | | | 7 | | | | | | ٠. | | 1/1 | | | | 2 | <i></i> |
| Contact Telephone: | <u> </u> | | | | Comj | | T< | EN/ | 1. | | | | Cerf | pany | 10 1 | 7 | | | |
| Report: Routine (Level 2) Level 3 Level 4 | EDD | | | | Time | /Date | 1 ph | ZIV (| | . 1. 0 | 1.0 | | Time | /Date | -0 | | | 1. | 7 |
| TAT: 10-day 5-day 72-hr 48-hr .24-hr | | | | | DEL | 75 | M | <u>^</u> | | 1/18 | 13 | | | | 73 | 9_ | 11/ | 181 | 13 |
| Special Instructions/Comments: | | | | | | ed Name | SHED | D1: | | | | | | EIVED ed Name | | | | | |
| 48 have Rush | | | | | 0: | | | | | | | | | | | | | | |
| , and the second | | | | | Signa | ature | | | | | | | Sign | ature | | | | | |
| | | | | | Comp | pany | | | | | | | Com | pany | | | | | |
| | | | | - | Time | /Date | | | | | | | Time | /Date | | | | | |
| | | | | | | | | | | | | | . 11110 | , Jaic | | | | | |
| | | _ | | | | | | | | | | | _ | | | | | | |

COOLER RECEIPT CHECKLIST



| Login # 250905 Date Received 11/18/13 Number of coolers O Client 1RIS Project Park Hoe | _ |
|---|----------------|
| | |
| Date Opened $\frac{11/18/13}{8}$ By (print) (sign) | |
| Date Logged in By (print) (sign) | - |
| 1. Did cooler come with a shipping slip (airbill, etc) YES NO Shipping info | |
| | |
| 2A. Were custody seals present? YES (circle) on cooler on samples How many Date |) _ |
| 2B. Were custody seals intact upon arrival? YES NO N/ | \overline{A} |
| 3. Were custody papers dry and intact when received? YES NO | |
| 4. Were custody papers filled out properly (ink, signed, etc)? | |
| 5. Is the project identifiable from custody papers? (If so fill out top of form)NO | |
| 6. Indicate the packing in cooler: (if other, describe) | _ |
| □ Bubble Wrap □ Foam blocks □ Bags □ None □ Cloth material □ Cardboard □ Styrofoam □ Paper towels | |
| 7. Temperature documentation: * Notify PM if temperature exceeds 6°C | |
| Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None Temp(°C) | |
| ☐ Samples Received on ice & cold without a temperature blank | |
| ☐ Samples received on ice directly from the field. Cooling process had begun | |
| 8. Were Method 5035 sampling containers present? YES (NO |) |
| If YES, what time were they transferred to freezer? | |
| 9. Did all bottles arrive unbroken/unopened? YES NO | |
| 10. Are there any missing / extra samples? YES NO |) |
| 11. Are samples in the appropriate containers for indicated tests? | |
| 12. Are sample labels present, in good condition and complete? | |
| 13. Do the sample labels agree with custody papers? VES NO | |
| 14. Was sufficient amount of sample sent for tests requested? NO | |
| 15. Are the samples appropriately preserved?YES NO N/A 16. Did you check preservatives for all bottles for each sample?YES NO N/A |) |
| 1/1 D' 1 1 | \geq |
| 10 D'1 1 1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 |) |
| 18. Did you change the hold time in LIMS for unpreserved VOAs?YES NO WAS | ` |
| 20. Are bubbles > 6mm absent in VOA samples?YES NO NA | / |
| 21. Was the client contacted concerning this sample delivery? YES | |
| If YES, Who was called?ByDate: | <u>ر</u> |
| | _ |
| COMMENTS | |
| | |
| | |
| | |
| | |
| | |



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SV-03 | Diln Fac: | 1.740 |
| Lab ID: | 250905-001 | Batch#: | 205231 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/19/13 |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|------|--------|--------|
| Freon 12 | ND | 0.87 | ND | 4.3 |
| Freon 114 | ND | 0.87 | ND | 6.1 |
| Chloromethane | ND | 0.87 | ND | 1.8 |
| Vinyl Chloride | ND | 0.87 | ND | 2.2 |
| 1,3-Butadiene | ND | 0.87 | ND | 1.9 |
| Bromomethane | ND | 0.87 | ND | 3.4 |
| Chloroethane | ND | 0.87 | ND | 2.3 |
| Trichlorofluoromethane | ND | 0.87 | ND | 4.9 |
| Acrolein | ND | 3.5 | ND | 8.0 |
| 1,1-Dichloroethene | ND | 0.87 | ND | 3.4 |
| Freon 113 | ND | 0.87 | ND | 6.7 |
| Acetone | ND | 3.5 | ND | 8.3 |
| Carbon Disulfide | 0.87 | 0.87 | 2.7 | 2.7 |
| Methylene Chloride | ND | 0.87 | ND | 3.0 |
| trans-1,2-Dichloroethene | ND | 0.87 | ND | 3.4 |
| MTBE | ND | 0.87 | ND | 3.1 |
| n-Hexane | ND | 0.87 | ND | 3.1 |
| 1,1-Dichloroethane | ND | 0.87 | ND | 3.5 |
| Vinyl Acetate | ND | 0.87 | ND | 3.1 |
| cis-1,2-Dichloroethene | ND | 0.87 | ND | 3.4 |
| 2-Butanone | ND | 0.87 | ND | 2.6 |
| Ethyl Acetate | ND | 0.87 | ND | 3.1 |
| Tetrahydrofuran | ND | 0.87 | ND | 2.6 |
| Chloroform | ND | 0.87 | ND | 4.2 |
| 1,1,1-Trichloroethane | ND | 0.87 | ND | 4.7 |
| Cyclohexane | ND | 0.87 | ND | 3.0 |
| Carbon Tetrachloride | ND | 0.87 | ND | 5.5 |
| Benzene | ND | 0.87 | ND | 2.8 |
| 1,2-Dichloroethane | ND | 0.87 | ND | 3.5 |
| n-Heptane | ND | 0.87 | ND | 3.6 |
| Trichloroethene | ND | 0.87 | ND | 4.7 |
| 1,2-Dichloropropane | ND | 0.87 | ND | 4.0 |
| Bromodichloromethane | ND | 0.87 | ND | 5.8 |
| cis-1,3-Dichloropropene | ND | 0.87 | ND | 3.9 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| | Volatil | e Organics in Ai | .r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SV-03 | Diln Fac: | 1.740 |
| Lab ID: | 250905-001 | Batch#: | 205231 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/19/13 |

| Analyte | Result (V) | RL | Resul | Lt (M) RL |
|---------------------------|------------|------|-------|-----------|
| 4-Methyl-2-Pentanone | ND | 0.87 | ND | 3.6 |
| Toluene | ND | 0.87 | ND | 3.3 |
| trans-1,3-Dichloropropene | ND | 0.87 | ND | 3.9 |
| 1,1,2-Trichloroethane | ND | 0.87 | ND | 4.7 |
| Tetrachloroethene | 8.0 | 0.87 | 54 | 5.9 |
| 2-Hexanone | ND | 0.87 | ND | 3.6 |
| Dibromochloromethane | ND | 0.87 | ND | 7.4 |
| 1,2-Dibromoethane | ND | 0.87 | ND | 6.7 |
| Chlorobenzene | ND | 0.87 | ND | 4.0 |
| Ethylbenzene | ND | 0.87 | ND | 3.8 |
| m,p-Xylenes | ND | 0.87 | ND | 3.8 |
| o-Xylene | ND | 0.87 | ND | 3.8 |
| Styrene | ND | 0.87 | ND | 3.7 |
| Bromoform | ND | 0.87 | ND | 9.0 |
| 1,1,2,2-Tetrachloroethane | ND | 0.87 | ND | 6.0 |
| 4-Ethyltoluene | ND | 0.87 | ND | 4.3 |
| 1,3,5-Trimethylbenzene | ND | 0.87 | ND | 4.3 |
| 1,2,4-Trimethylbenzene | ND | 0.87 | ND | 4.3 |
| 1,3-Dichlorobenzene | ND | 0.87 | ND | 5.2 |
| 1,4-Dichlorobenzene | ND | 0.87 | ND | 5.2 |
| Benzyl chloride | ND | 0.87 | ND | 4.5 |
| 1,2-Dichlorobenzene | ND | 0.87 | ND | 5.2 |
| 1,2,4-Trichlorobenzene | ND | 0.87 | ND | 6.5 |
| Hexachlorobutadiene | ND | 0.87 | ND | 9.3 |
| Naphthalene | ND | 3.5 | ND | 18 |

| Surrogate | %REC | Limits | | |
|--------------------|-------|--------|--|--|
| Bromofluorobenzene | 135 * | 70-130 | | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| | Volatile Or | ganics in Air | |
|------------|--------------------|---------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SV-07 | Diln Fac: | 3.460 |
| Lab ID: | 250905-002 | Batch#: | 205231 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 |

| Analyte | Result | : (V) | RL | Result (| M) RL |
|--------------------------|--------|-------|-----|----------|-------|
| Freon 12 | ND | | 1.7 | ND | 8.6 |
| Freon 114 | ND | | 1.7 | ND | 12 |
| Chloromethane | ND | | 1.7 | ND | 3.6 |
| Vinyl Chloride | ND | | 1.7 | ND | 4.4 |
| 1,3-Butadiene | ND | | 1.7 | ND | 3.8 |
| Bromomethane | ND | | 1.7 | ND | 6.7 |
| Chloroethane | ND | | 1.7 | ND | 4.6 |
| Trichlorofluoromethane | ND | | 1.7 | ND | 9.7 |
| Acrolein | ND | | 6.9 | ND | 16 |
| 1,1-Dichloroethene | ND | | 1.7 | ND | 6.9 |
| Freon 113 | ND | | 1.7 | ND | 13 |
| Acetone | ND | | 6.9 | ND | 16 |
| Carbon Disulfide | | 3.3 | 1.7 | 10 | 5.4 |
| Methylene Chloride | ND | | 1.7 | ND | 6.0 |
| trans-1,2-Dichloroethene | ND | | 1.7 | ND | 6.9 |
| MTBE | ND | | 1.7 | ND | 6.2 |
| n-Hexane | ND | | 1.7 | ND | 6.1 |
| 1,1-Dichloroethane | ND | | 1.7 | ND | 7.0 |
| Vinyl Acetate | ND | | 1.7 | ND | 6.1 |
| cis-1,2-Dichloroethene | ND | | 1.7 | ND | 6.9 |
| 2-Butanone | ND | | 1.7 | ND | 5.1 |
| Ethyl Acetate | ND | | 1.7 | ND | 6.2 |
| Tetrahydrofuran | ND | | 1.7 | ND | 5.1 |
| Chloroform | ND | | 1.7 | ND | 8.4 |
| 1,1,1-Trichloroethane | ND | | 1.7 | ND | 9.4 |
| Cyclohexane | ND | | 1.7 | ND | 6.0 |
| Carbon Tetrachloride | ND | | 1.7 | ND | 11 |
| Benzene | ND | | 1.7 | ND | 5.5 |
| 1,2-Dichloroethane | ND | | 1.7 | ND | 7.0 |
| n-Heptane | ND | | 1.7 | ND | 7.1 |
| Trichloroethene | ND | | 1.7 | ND | 9.3 |
| 1,2-Dichloropropane | ND | | 1.7 | ND | 8.0 |
| Bromodichloromethane | ND | | 1.7 | ND | 12 |
| cis-1,3-Dichloropropene | ND | | 1.7 | ND | 7.9 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| | Volatil | e Organics in Ai | r |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SV-07 | Diln Fac: | 3.460 |
| Lab ID: | 250905-002 | Batch#: | 205231 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 |

| Analyte | Result (V) | RL | Result | (M) RL |
|---------------------------|------------|-----|--------|--------|
| 4-Methyl-2-Pentanone | ND | 1.7 | ND | 7.1 |
| Toluene | ND | 1.7 | ND | 6.5 |
| trans-1,3-Dichloropropene | ND | 1.7 | ND | 7.9 |
| 1,1,2-Trichloroethane | ND | 1.7 | ND | 9.4 |
| Tetrachloroethene | 170 | 1.7 | 1,200 | 12 |
| 2-Hexanone | ND | 1.7 | ND | 7.1 |
| Dibromochloromethane | ND | 1.7 | ND | 15 |
| 1,2-Dibromoethane | ND | 1.7 | ND | 13 |
| Chlorobenzene | ND | 1.7 | ND | 8.0 |
| Ethylbenzene | ND | 1.7 | ND | 7.5 |
| m,p-Xylenes | ND | 1.7 | ND | 7.5 |
| o-Xylene | ND | 1.7 | ND | 7.5 |
| Styrene | ND | 1.7 | ND | 7.4 |
| Bromoform | ND | 1.7 | ND | 18 |
| 1,1,2,2-Tetrachloroethane | ND | 1.7 | ND | 12 |
| 4-Ethyltoluene | ND | 1.7 | ND | 8.5 |
| 1,3,5-Trimethylbenzene | ND | 1.7 | ND | 8.5 |
| 1,2,4-Trimethylbenzene | ND | 1.7 | ND | 8.5 |
| 1,3-Dichlorobenzene | ND | 1.7 | ND | 10 |
| 1,4-Dichlorobenzene | ND | 1.7 | ND | 10 |
| Benzyl chloride | ND | 1.7 | ND | 9.0 |
| 1,2-Dichlorobenzene | ND | 1.7 | ND | 10 |
| 1,2,4-Trichlorobenzene | ND | 1.7 | ND | 13 |
| Hexachlorobutadiene | ND | 1.7 | ND | 18 |
| Naphthalene | ND | 6.9 | ND | 36 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 134 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-08 | Diln Fac: | 37.80 | | | |
| Lab ID: | 250905-003 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|--------------------------|------------|----|------------|-----|
| Freon 12 | ND | 19 | ND | 93 |
| Freon 114 | ND | 19 | ND | 130 |
| Chloromethane | ND | 19 | ND | 39 |
| Vinyl Chloride | ND | 19 | ND | 48 |
| 1,3-Butadiene | ND | 19 | ND | 42 |
| Bromomethane | ND | 19 | ND | 73 |
| Chloroethane | ND | 19 | ND | 50 |
| Trichlorofluoromethane | ND | 19 | ND | 110 |
| Acrolein | ND | 76 | ND | 170 |
| 1,1-Dichloroethene | ND | 19 | ND | 75 |
| Freon 113 | ND | 19 | ND | 140 |
| Acetone | ND | 76 | ND | 180 |
| Carbon Disulfide | ND | 19 | ND | 59 |
| Methylene Chloride | ND | 19 | ND | 66 |
| trans-1,2-Dichloroethene | ND | 19 | ND | 75 |
| MTBE | ND | 19 | ND | 68 |
| n-Hexane | ND | 19 | ND | 67 |
| 1,1-Dichloroethane | ND | 19 | ND | 76 |
| Vinyl Acetate | ND | 19 | ND | 67 |
| cis-1,2-Dichloroethene | ND | 19 | ND | 75 |
| 2-Butanone | ND | 19 | ND | 56 |
| Ethyl Acetate | ND | 19 | ND | 68 |
| Tetrahydrofuran | ND | 19 | ND | 56 |
| Chloroform | ND | 19 | ND | 92 |
| 1,1,1-Trichloroethane | ND | 19 | ND | 100 |
| Cyclohexane | ND | 19 | ND | 65 |
| Carbon Tetrachloride | ND | 19 | ND | 120 |
| Benzene | ND | 19 | ND | 60 |
| 1,2-Dichloroethane | ND | 19 | ND | 76 |
| n-Heptane | ND | 19 | ND | 77 |
| Trichloroethene | ND | 19 | ND | 100 |
| 1,2-Dichloropropane | ND | 19 | ND | 87 |
| Bromodichloromethane | ND | 19 | ND | 130 |
| cis-1,3-Dichloropropene | ND | 19 | ND | 86 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-08 | Diln Fac: | 37.80 | | | |
| Lab ID: | 250905-003 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|---------------------------|------------|----|------------|-----|
| 4-Methyl-2-Pentanone | ND | 19 | ND | 77 |
| Toluene | ND | 19 | ND | 71 |
| trans-1,3-Dichloropropene | ND | 19 | ND | 86 |
| 1,1,2-Trichloroethane | ND | 19 | ND | 100 |
| Tetrachloroethene | 1,500 | 19 | 10,000 | 130 |
| 2-Hexanone | ND | 19 | ND | 77 |
| Dibromochloromethane | ND | 19 | ND | 160 |
| 1,2-Dibromoethane | ND | 19 | ND | 150 |
| Chlorobenzene | ND | 19 | ND | 87 |
| Ethylbenzene | ND | 19 | ND | 82 |
| m,p-Xylenes | ND | 19 | ND | 82 |
| o-Xylene | ND | 19 | ND | 82 |
| Styrene | ND | 19 | ND | 81 |
| Bromoform | ND | 19 | ND | 200 |
| 1,1,2,2-Tetrachloroethane | ND | 19 | ND | 130 |
| 4-Ethyltoluene | ND | 19 | ND | 93 |
| 1,3,5-Trimethylbenzene | ND | 19 | ND | 93 |
| 1,2,4-Trimethylbenzene | ND | 19 | ND | 93 |
| 1,3-Dichlorobenzene | ND | 19 | ND | 110 |
| 1,4-Dichlorobenzene | ND | 19 | ND | 110 |
| Benzyl chloride | ND | 19 | ND | 98 |
| 1,2-Dichlorobenzene | ND | 19 | ND | 110 |
| 1,2,4-Trichlorobenzene | ND | 19 | ND | 140 |
| Hexachlorobutadiene | ND | 19 | ND | 200 |
| Naphthalene | ND | 76 | ND | 400 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 135 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-01 | Diln Fac: | 1.780 | | | |
| Lab ID: | 250905-004 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|--------------------------|------------|------|------------|-----|
| Freon 12 | ND | 0.89 | ND | 4.4 |
| Freon 114 | ND | 0.89 | ND | 6.2 |
| Chloromethane | ND | 0.89 | ND | 1.8 |
| Vinyl Chloride | ND | 0.89 | ND | 2.3 |
| 1,3-Butadiene | ND | 0.89 | ND | 2.0 |
| Bromomethane | ND | 0.89 | ND | 3.5 |
| Chloroethane | ND | 0.89 | ND | 2.3 |
| Trichlorofluoromethane | ND | 0.89 | ND | 5.0 |
| Acrolein | ND | 3.6 | ND | 8.2 |
| 1,1-Dichloroethene | ND | 0.89 | ND | 3.5 |
| Freon 113 | ND | 0.89 | ND | 6.8 |
| Acetone | ND | 3.6 | ND | 8.5 |
| Carbon Disulfide | ND | 0.89 | ND | 2.8 |
| Methylene Chloride | ND | 0.89 | ND | 3.1 |
| trans-1,2-Dichloroethene | ND | 0.89 | ND | 3.5 |
| MTBE | ND | 0.89 | ND | 3.2 |
| n-Hexane | ND | 0.89 | ND | 3.1 |
| 1,1-Dichloroethane | ND | 0.89 | ND | 3.6 |
| Vinyl Acetate | ND | 0.89 | ND | 3.1 |
| cis-1,2-Dichloroethene | ND | 0.89 | ND | 3.5 |
| 2-Butanone | ND | 0.89 | ND | 2.6 |
| Ethyl Acetate | ND | 0.89 | ND | 3.2 |
| Tetrahydrofuran | ND | 0.89 | ND | 2.6 |
| Chloroform | ND | 0.89 | ND | 4.3 |
| 1,1,1-Trichloroethane | ND | 0.89 | ND | 4.9 |
| Cyclohexane | ND | 0.89 | ND | 3.1 |
| Carbon Tetrachloride | ND | 0.89 | ND | 5.6 |
| Benzene | ND | 0.89 | ND | 2.8 |
| 1,2-Dichloroethane | ND | 0.89 | ND | 3.6 |
| n-Heptane | ND | 0.89 | ND | 3.6 |
| Trichloroethene | ND | 0.89 | ND | 4.8 |
| 1,2-Dichloropropane | ND | 0.89 | ND | 4.1 |
| Bromodichloromethane | ND | 0.89 | ND | 6.0 |
| cis-1,3-Dichloropropene | ND | 0.89 | ND | 4.0 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-01 | Diln Fac: | 1.780 | | | |
| Lab ID: | 250905-004 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|---------------------------|------------|------|--------|--------|
| 4-Methyl-2-Pentanone | ND | 0.89 | ND | 3.6 |
| Toluene | ND | 0.89 | ND | 3.4 |
| trans-1,3-Dichloropropene | ND | 0.89 | ND | 4.0 |
| 1,1,2-Trichloroethane | ND | 0.89 | ND | 4.9 |
| Tetrachloroethene | 36 | 0.89 | 240 | 6.0 |
| 2-Hexanone | ND | 0.89 | ND | 3.6 |
| Dibromochloromethane | ND | 0.89 | ND | 7.6 |
| 1,2-Dibromoethane | ND | 0.89 | ND | 6.8 |
| Chlorobenzene | ND | 0.89 | ND | 4.1 |
| Ethylbenzene | ND | 0.89 | ND | 3.9 |
| m,p-Xylenes | ND | 0.89 | ND | 3.9 |
| o-Xylene | ND | 0.89 | ND | 3.9 |
| Styrene | ND | 0.89 | ND | 3.8 |
| Bromoform | ND | 0.89 | ND | 9.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.89 | ND | 6.1 |
| 4-Ethyltoluene | ND | 0.89 | ND | 4.4 |
| 1,3,5-Trimethylbenzene | ND | 0.89 | ND | 4.4 |
| 1,2,4-Trimethylbenzene | ND | 0.89 | ND | 4.4 |
| 1,3-Dichlorobenzene | ND | 0.89 | ND | 5.4 |
| 1,4-Dichlorobenzene | ND | 0.89 | ND | 5.4 |
| Benzyl chloride | ND | 0.89 | ND | 4.6 |
| 1,2-Dichlorobenzene | ND | 0.89 | ND | 5.4 |
| 1,2,4-Trichlorobenzene | ND | 0.89 | ND | 6.6 |
| Hexachlorobutadiene | ND | 0.89 | ND | 9.5 |
| Naphthalene | ND | 3.6 | ND | 19 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 133 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-01-DUP | Diln Fac: | 1.830 | | | |
| Lab ID: | 250905-005 | Batch#: | 205279 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|--------------------------|------------|------|------------|-----|
| Freon 12 | ND | 0.92 | ND | 4.5 |
| Freon 114 | ND | 0.92 | ND | 6.4 |
| Chloromethane | ND | 0.92 | ND | 1.9 |
| Vinyl Chloride | ND | 0.92 | ND | 2.3 |
| 1,3-Butadiene | ND | 0.92 | ND | 2.0 |
| Bromomethane | ND | 0.92 | ND | 3.6 |
| Chloroethane | ND | 0.92 | ND | 2.4 |
| Trichlorofluoromethane | ND | 0.92 | ND | 5.1 |
| Acrolein | ND | 3.7 | ND | 8.4 |
| 1,1-Dichloroethene | ND | 0.92 | ND | 3.6 |
| Freon 113 | ND | 0.92 | ND | 7.0 |
| Acetone | ND | 3.7 | ND | 8.7 |
| Carbon Disulfide | ND | 0.92 | ND | 2.8 |
| Methylene Chloride | ND | 0.92 | ND | 3.2 |
| trans-1,2-Dichloroethene | ND | 0.92 | ND | 3.6 |
| MTBE | ND | 0.92 | ND | 3.3 |
| n-Hexane | ND | 0.92 | ND | 3.2 |
| 1,1-Dichloroethane | ND | 0.92 | ND | 3.7 |
| Vinyl Acetate | ND | 0.92 | ND | 3.2 |
| cis-1,2-Dichloroethene | ND | 0.92 | ND | 3.6 |
| 2-Butanone | ND | 0.92 | ND | 2.7 |
| Ethyl Acetate | ND | 0.92 | ND | 3.3 |
| Tetrahydrofuran | ND | 0.92 | ND | 2.7 |
| Chloroform | ND | 0.92 | ND | 4.5 |
| 1,1,1-Trichloroethane | ND | 0.92 | ND | 5.0 |
| Cyclohexane | ND | 0.92 | ND | 3.1 |
| Carbon Tetrachloride | ND | 0.92 | ND | 5.8 |
| Benzene | ND | 0.92 | ND | 2.9 |
| 1,2-Dichloroethane | ND | 0.92 | ND | 3.7 |
| n-Heptane | ND | 0.92 | ND | 3.7 |
| Trichloroethene | ND | 0.92 | ND | 4.9 |
| 1,2-Dichloropropane | ND | 0.92 | ND | 4.2 |
| Bromodichloromethane | ND | 0.92 | ND | 6.1 |
| cis-1,3-Dichloropropene | ND | 0.92 | ND | 4.2 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-01-DUP | Diln Fac: | 1.830 | | | |
| Lab ID: | 250905-005 | Batch#: | 205279 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Resul | t (M) RL |
|---------------------------|------------|------|-------|----------|
| 4-Methyl-2-Pentanone | ND | 0.92 | ND | 3.7 |
| Toluene | ND | 0.92 | ND | 3.4 |
| trans-1,3-Dichloropropene | ND | 0.92 | ND | 4.2 |
| 1,1,2-Trichloroethane | ND | 0.92 | ND | 5.0 |
| Tetrachloroethene | 37 | 0.92 | 250 | 6.2 |
| 2-Hexanone | ND | 0.92 | ND | 3.7 |
| Dibromochloromethane | ND | 0.92 | ND | 7.8 |
| 1,2-Dibromoethane | ND | 0.92 | ND | 7.0 |
| Chlorobenzene | ND | 0.92 | ND | 4.2 |
| Ethylbenzene | ND | 0.92 | ND | 4.0 |
| m,p-Xylenes | ND | 0.92 | ND | 4.0 |
| o-Xylene | ND | 0.92 | ND | 4.0 |
| Styrene | ND | 0.92 | ND | 3.9 |
| Bromoform | ND | 0.92 | ND | 9.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.92 | ND | 6.3 |
| 4-Ethyltoluene | ND | 0.92 | ND | 4.5 |
| 1,3,5-Trimethylbenzene | ND | 0.92 | ND | 4.5 |
| 1,2,4-Trimethylbenzene | ND | 0.92 | ND | 4.5 |
| 1,3-Dichlorobenzene | ND | 0.92 | ND | 5.5 |
| 1,4-Dichlorobenzene | ND | 0.92 | ND | 5.5 |
| Benzyl chloride | ND | 0.92 | ND | 4.7 |
| 1,2-Dichlorobenzene | ND | 0.92 | ND | 5.5 |
| 1,2,4-Trichlorobenzene | ND | 0.92 | ND | 6.8 |
| Hexachlorobutadiene | ND | 0.92 | ND | 9.8 |
| Naphthalene | ND | 3.7 | ND | 19 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 134 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| | Volatile O | rganics in Air | |
|------------|--------------------|----------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Field ID: | SV-04 | Diln Fac: | 10.32 |
| Lab ID: | 250905-006 | Batch#: | 205231 |
| Matrix: | Air | Sampled: | 11/18/13 |
| Units (V): | ppbv | Received: | 11/18/13 |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 |

| Analyte | Resul | .t (V) | RL | Result | (M) RL |
|--------------------------|-------|--------|-----|--------|--------|
| Freon 12 | ND | | 5.2 | ND | 26 |
| Freon 114 | ND | | 5.2 | ND | 36 |
| Chloromethane | ND | | 5.2 | ND | 11 |
| Vinyl Chloride | ND | | 5.2 | ND | 13 |
| 1,3-Butadiene | ND | | 5.2 | ND | 11 |
| Bromomethane | ND | | 5.2 | ND | 20 |
| Chloroethane | ND | | 5.2 | ND | 14 |
| Trichlorofluoromethane | ND | | 5.2 | ND | 29 |
| Acrolein | ND | | 21 | ND | 47 |
| 1,1-Dichloroethene | ND | | 5.2 | ND | 20 |
| Freon 113 | ND | | 5.2 | ND | 40 |
| Acetone | ND | | 21 | ND | 49 |
| Carbon Disulfide | ND | | 5.2 | ND | 16 |
| Methylene Chloride | ND | | 5.2 | ND | 18 |
| trans-1,2-Dichloroethene | ND | | 5.2 | ND | 20 |
| MTBE | ND | | 5.2 | ND | 19 |
| n-Hexane | ND | | 5.2 | ND | 18 |
| 1,1-Dichloroethane | ND | | 5.2 | ND | 21 |
| Vinyl Acetate | ND | | 5.2 | ND | 18 |
| cis-1,2-Dichloroethene | ND | | 5.2 | ND | 20 |
| 2-Butanone | ND | | 5.2 | ND | 15 |
| Ethyl Acetate | ND | | 5.2 | ND | 19 |
| Tetrahydrofuran | ND | | 5.2 | ND | 15 |
| Chloroform | | 5.5 | 5.2 | 27 | 25 |
| 1,1,1-Trichloroethane | ND | | 5.2 | ND | 28 |
| Cyclohexane | ND | | 5.2 | ND | 18 |
| Carbon Tetrachloride | ND | | 5.2 | ND | 32 |
| Benzene | ND | | 5.2 | ND | 16 |
| 1,2-Dichloroethane | ND | | 5.2 | ND | 21 |
| n-Heptane | ND | | 5.2 | ND | 21 |
| Trichloroethene | ND | | 5.2 | ND | 28 |
| 1,2-Dichloropropane | ND | | 5.2 | ND | 24 |
| Bromodichloromethane | ND | | 5.2 | ND | 35 |
| cis-1,3-Dichloropropene | ND | | 5.2 | ND | 23 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-04 | Diln Fac: | 10.32 | | | |
| Lab ID: | 250905-006 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|---------------------------|------------|-----|--------|--------|
| 4-Methyl-2-Pentanone | ND | 5.2 | ND | 21 |
| Toluene | ND | 5.2 | ND | 19 |
| trans-1,3-Dichloropropene | ND | 5.2 | ND | 23 |
| 1,1,2-Trichloroethane | ND | 5.2 | ND | 28 |
| Tetrachloroethene | 430 | 5.2 | 2,900 | 35 |
| 2-Hexanone | ND | 5.2 | ND | 21 |
| Dibromochloromethane | ND | 5.2 | ND | 44 |
| 1,2-Dibromoethane | ND | 5.2 | ND | 40 |
| Chlorobenzene | ND | 5.2 | ND | 24 |
| Ethylbenzene | ND | 5.2 | ND | 22 |
| m,p-Xylenes | ND | 5.2 | ND | 22 |
| o-Xylene | ND | 5.2 | ND | 22 |
| Styrene | ND | 5.2 | ND | 22 |
| Bromoform | ND | 5.2 | ND | 53 |
| 1,1,2,2-Tetrachloroethane | ND | 5.2 | ND | 35 |
| 4-Ethyltoluene | ND | 5.2 | ND | 25 |
| 1,3,5-Trimethylbenzene | ND | 5.2 | ND | 25 |
| 1,2,4-Trimethylbenzene | ND | 5.2 | ND | 25 |
| 1,3-Dichlorobenzene | ND | 5.2 | ND | 31 |
| 1,4-Dichlorobenzene | ND | 5.2 | ND | 31 |
| Benzyl chloride | ND | 5.2 | ND | 27 |
| 1,2-Dichlorobenzene | ND | 5.2 | ND | 31 |
| 1,2,4-Trichlorobenzene | ND | 5.2 | ND | 38 |
| Hexachlorobutadiene | ND | 5.2 | ND | 55 |
| Naphthalene | ND | 21 | ND | 110 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 131 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-06 | Diln Fac: | 105.0 | | | |
| Lab ID: | 250905-007 | Batch#: | 205279 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|-----|--------|--------|
| Freon 12 | ND | 53 | ND | 260 |
| Freon 114 | ND | 53 | ND | 370 |
| Chloromethane | ND | 53 | ND | 110 |
| Vinyl Chloride | ND | 53 | ND | 130 |
| 1,3-Butadiene | ND | 53 | ND | 120 |
| Bromomethane | ND | 53 | ND | 200 |
| Chloroethane | ND | 53 | ND | 140 |
| Trichlorofluoromethane | ND | 53 | ND | 290 |
| Acrolein | ND | 210 | ND | 480 |
| 1,1-Dichloroethene | ND | 53 | ND | 210 |
| Freon 113 | ND | 53 | ND | 400 |
| Acetone | ND | 210 | ND | 500 |
| Carbon Disulfide | ND | 53 | ND | 160 |
| Methylene Chloride | ND | 53 | ND | 180 |
| trans-1,2-Dichloroethene | ND | 53 | ND | 210 |
| MTBE | ND | 53 | ND | 190 |
| n-Hexane | ND | 53 | ND | 190 |
| 1,1-Dichloroethane | ND | 53 | ND | 210 |
| Vinyl Acetate | ND | 53 | ND | 180 |
| cis-1,2-Dichloroethene | ND | 53 | ND | 210 |
| 2-Butanone | ND | 53 | ND | 150 |
| Ethyl Acetate | ND | 53 | ND | 190 |
| Tetrahydrofuran | ND | 53 | ND | 150 |
| Chloroform | ND | 53 | ND | 260 |
| 1,1,1-Trichloroethane | ND | 53 | ND | 290 |
| Cyclohexane | ND | 53 | ND | 180 |
| Carbon Tetrachloride | ND | 53 | ND | 330 |
| Benzene | ND | 53 | ND | 170 |
| 1,2-Dichloroethane | ND | 53 | ND | 210 |
| n-Heptane | ND | 53 | ND | 220 |
| Trichloroethene | 560 | 53 | 3,000 | 280 |
| 1,2-Dichloropropane | ND | 53 | ND | 240 |
| Bromodichloromethane | ND | 53 | ND | 350 |
| cis-1,3-Dichloropropene | ND | 53 | ND | 240 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-06 | Diln Fac: | 105.0 | | | |
| Lab ID: | 250905-007 | Batch#: | 205279 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|---------------------------|------------|-----|------------|-------|
| 4-Methyl-2-Pentanone | ND | 53 | ND | 220 |
| Toluene | ND | 53 | ND | 200 |
| trans-1,3-Dichloropropene | ND | 53 | ND | 240 |
| 1,1,2-Trichloroethane | ND | 53 | ND | 290 |
| Tetrachloroethene | 5,400 | 53 | 37,000 | 360 |
| 2-Hexanone | ND | 53 | ND | 220 |
| Dibromochloromethane | ND | 53 | ND | 450 |
| 1,2-Dibromoethane | ND | 53 | ND | 400 |
| Chlorobenzene | ND | 53 | ND | 240 |
| Ethylbenzene | ND | 53 | ND | 230 |
| m,p-Xylenes | ND | 53 | ND | 230 |
| o-Xylene | ND | 53 | ND | 230 |
| Styrene | ND | 53 | ND | 220 |
| Bromoform | ND | 53 | ND | 540 |
| 1,1,2,2-Tetrachloroethane | ND | 53 | ND | 360 |
| 4-Ethyltoluene | ND | 53 | ND | 260 |
| 1,3,5-Trimethylbenzene | ND | 53 | ND | 260 |
| 1,2,4-Trimethylbenzene | ND | 53 | ND | 260 |
| 1,3-Dichlorobenzene | ND | 53 | ND | 320 |
| 1,4-Dichlorobenzene | ND | 53 | ND | 320 |
| Benzyl chloride | ND | 53 | ND | 270 |
| 1,2-Dichlorobenzene | ND | 53 | ND | 320 |
| 1,2,4-Trichlorobenzene | ND | 53 | ND | 390 |
| Hexachlorobutadiene | ND | 53 | ND | 560 |
| Naphthalene | ND | 210 | ND | 1,100 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 136 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Field ID: | SV-05 | Diln Fac: | 37.60 | | | |
| Lab ID: | 250905-008 | Batch#: | 205231 | | | |
| Matrix: | Air | Sampled: | 11/18/13 | | | |
| Units (V): | ppbv | Received: | 11/18/13 | | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result (M) | RL |
|--------------------------|------------|----|------------|-----|
| Freon 12 | ND | 19 | ND | 93 |
| Freon 114 | ND | 19 | ND | 130 |
| Chloromethane | ND | 19 | ND | 39 |
| Vinyl Chloride | ND | 19 | ND | 48 |
| 1,3-Butadiene | ND | 19 | ND | 42 |
| Bromomethane | ND | 19 | ND | 73 |
| Chloroethane | ND | 19 | ND | 50 |
| Trichlorofluoromethane | ND | 19 | ND | 110 |
| Acrolein | ND | 75 | ND | 170 |
| 1,1-Dichloroethene | ND | 19 | ND | 75 |
| Freon 113 | ND | 19 | ND | 140 |
| Acetone | ND | 75 | ND | 180 |
| Carbon Disulfide | ND | 19 | ND | 59 |
| Methylene Chloride | ND | 19 | ND | 65 |
| trans-1,2-Dichloroethene | ND | 19 | ND | 75 |
| MTBE | ND | 19 | ND | 68 |
| n-Hexane | ND | 19 | ND | 66 |
| 1,1-Dichloroethane | ND | 19 | ND | 76 |
| Vinyl Acetate | ND | 19 | ND | 66 |
| cis-1,2-Dichloroethene | ND | 19 | ND | 75 |
| 2-Butanone | ND | 19 | ND | 55 |
| Ethyl Acetate | ND | 19 | ND | 68 |
| Tetrahydrofuran | ND | 19 | ND | 55 |
| Chloroform | ND | 19 | ND | 92 |
| 1,1,1-Trichloroethane | ND | 19 | ND | 100 |
| Cyclohexane | ND | 19 | ND | 65 |
| Carbon Tetrachloride | ND | 19 | ND | 120 |
| Benzene | ND | 19 | ND | 60 |
| 1,2-Dichloroethane | ND | 19 | ND | 76 |
| n-Heptane | ND | 19 | ND | 77 |
| Trichloroethene | ND | 19 | ND | 100 |
| 1,2-Dichloropropane | ND | 19 | ND | 87 |
| Bromodichloromethane | ND | 19 | ND | 130 |
| cis-1,3-Dichloropropene | ND | 19 | ND | 85 |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Field ID: | SV-05 | Diln Fac: | 37.60 | | |
| Lab ID: | 250905-008 | Batch#: | 205231 | | |
| Matrix: | Air | Sampled: | 11/18/13 | | |
| Units (V): | ppbv | Received: | 11/18/13 | | |
| Units (M): | ug/m3 | Analyzed: | 11/20/13 | | |

| Analyte | Result (V) | RL | Result (| M) RL |
|---------------------------|------------|----|----------|-------|
| 4-Methyl-2-Pentanone | ND | 19 | ND | 77 |
| Toluene | ND | 19 | ND | 71 |
| trans-1,3-Dichloropropene | ND | 19 | ND | 85 |
| 1,1,2-Trichloroethane | ND | 19 | ND | 100 |
| Tetrachloroethene | 1,600 | 19 | 11,000 | 130 |
| 2-Hexanone | ND | 19 | ND | 77 |
| Dibromochloromethane | ND | 19 | ND | 160 |
| 1,2-Dibromoethane | ND | 19 | ND | 140 |
| Chlorobenzene | ND | 19 | ND | 87 |
| Ethylbenzene | ND | 19 | ND | 82 |
| m,p-Xylenes | ND | 19 | ND | 82 |
| o-Xylene | ND | 19 | ND | 82 |
| Styrene | ND | 19 | ND | 80 |
| Bromoform | ND | 19 | ND | 190 |
| 1,1,2,2-Tetrachloroethane | ND | 19 | ND | 130 |
| 4-Ethyltoluene | ND | 19 | ND | 92 |
| 1,3,5-Trimethylbenzene | ND | 19 | ND | 92 |
| 1,2,4-Trimethylbenzene | ND | 19 | ND | 92 |
| 1,3-Dichlorobenzene | ND | 19 | ND | 110 |
| 1,4-Dichlorobenzene | ND | 19 | ND | 110 |
| Benzyl chloride | ND | 19 | ND | 97 |
| 1,2-Dichlorobenzene | ND | 19 | ND | 110 |
| 1,2,4-Trichlorobenzene | ND | 19 | ND | 140 |
| Hexachlorobutadiene | ND | 19 | ND | 200 |
| Naphthalene | ND | 75 | ND | 390 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 147 * | 70-130 | |

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Matrix: | Air | Batch#: | 205231 | | |
| Units (V): | ppbv | Analyzed: | 11/19/13 | | |
| Diln Fac: | 1.000 | | | | |

Type: BS Lab ID: QC716814

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|------|--------|
| Freon 12 | 10.00 | 10.02 | 100 | 70-130 |
| Freon 114 | 10.00 | 10.25 | 102 | 70-130 |
| Chloromethane | 10.00 | 10.72 | 107 | 70-130 |
| Vinyl Chloride | 10.00 | 10.52 | 105 | 70-130 |
| 1,3-Butadiene | 10.00 | 10.07 | 101 | 70-130 |
| Bromomethane | 10.00 | 10.47 | 105 | 70-130 |
| Chloroethane | 10.00 | 11.36 | 114 | 70-130 |
| Trichlorofluoromethane | 10.00 | 10.24 | 102 | 70-130 |
| Acrolein | 10.00 | 10.51 | 105 | 62-130 |
| 1,1-Dichloroethene | 10.00 | 9.697 | 97 | 70-130 |
| Freon 113 | 10.00 | 9.893 | 99 | 70-130 |
| Acetone | 10.00 | 9.774 | 98 | 67-130 |
| Carbon Disulfide | 10.00 | 9.111 | 91 | 70-130 |
| Methylene Chloride | 10.00 | 9.201 | 92 | 68-130 |
| trans-1,2-Dichloroethene | 10.00 | 10.43 | 104 | 70-130 |
| MTBE | 10.00 | 10.77 | 108 | 70-130 |
| n-Hexane | 10.00 | 10.67 | 107 | 70-130 |
| 1,1-Dichloroethane | 10.00 | 10.56 | 106 | 70-130 |
| Vinyl Acetate | 10.00 | 12.26 | 123 | 70-130 |
| cis-1,2-Dichloroethene | 10.00 | 10.24 | 102 | 70-130 |
| 2-Butanone | 10.00 | 10.83 | 108 | 70-130 |
| Ethyl Acetate | 10.00 | 10.50 | 105 | 70-130 |
| Tetrahydrofuran | 10.00 | 10.53 | 105 | 70-130 |
| Chloroform | 10.00 | 9.957 | 100 | 70-130 |
| 1,1,1-Trichloroethane | 10.00 | 10.58 | 106 | 70-130 |
| Cyclohexane | 10.00 | 11.02 | 110 | 70-130 |
| Carbon Tetrachloride | 10.00 | 10.78 | 108 | 70-130 |
| Benzene | 10.00 | 10.68 | 107 | 70-130 |
| 1,2-Dichloroethane | 10.00 | 10.85 | 109 | 70-130 |
| n-Heptane | 10.00 | 12.88 | 129 | 70-130 |
| Trichloroethene | 10.00 | 10.54 | 105 | 70-130 |
| 1,2-Dichloropropane | 10.00 | 11.01 | 110 | 70-130 |
| Bromodichloromethane | 10.00 | 10.52 | 105 | 70-130 |

^{*=} Value outside of QC limits; see narrative

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RPD= Relative Percent Difference

Result V= Result in volume units



| | Volatil | e Organics in Ai | lr |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 205231 |
| Units (V): | ppbv | Analyzed: | 11/19/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|------|--------|
| cis-1,3-Dichloropropene | 10.00 | 10.95 | 110 | 70-130 |
| 4-Methyl-2-Pentanone | 10.00 | 12.62 | 126 | 70-130 |
| Toluene | 10.00 | 11.27 | 113 | 70-130 |
| trans-1,3-Dichloropropene | 10.00 | 11.19 | 112 | 70-130 |
| 1,1,2-Trichloroethane | 10.00 | 10.00 | 100 | 70-130 |
| Tetrachloroethene | 10.00 | 10.45 | 104 | 70-130 |
| 2-Hexanone | 10.00 | 12.75 | 127 | 70-130 |
| Dibromochloromethane | 10.00 | 9.787 | 98 | 70-130 |
| 1,2-Dibromoethane | 10.00 | 10.13 | 101 | 70-130 |
| Chlorobenzene | 10.00 | 10.80 | 108 | 70-130 |
| Ethylbenzene | 10.00 | 11.32 | 113 | 70-130 |
| m,p-Xylenes | 20.00 | 24.75 | 124 | 70-130 |
| o-Xylene | 10.00 | 12.76 | 128 | 70-130 |
| Styrene | 10.00 | 12.07 | 121 | 70-130 |
| Bromoform | 10.00 | 10.63 | 106 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 10.30 | 103 | 70-130 |
| 4-Ethyltoluene | 10.00 | 12.47 | 125 | 70-130 |
| 1,3,5-Trimethylbenzene | 10.00 | 10.91 | 109 | 70-130 |
| 1,2,4-Trimethylbenzene | 10.00 | 11.16 | 112 | 70-130 |
| 1,3-Dichlorobenzene | 10.00 | 10.96 | 110 | 70-130 |
| 1,4-Dichlorobenzene | 10.00 | 10.25 | 103 | 70-130 |
| Benzyl chloride | 10.00 | 11.16 | 112 | 70-130 |
| 1,2-Dichlorobenzene | 10.00 | 10.30 | 103 | 70-130 |
| 1,2,4-Trichlorobenzene | 10.00 | 8.966 | 90 | 62-130 |
| Hexachlorobutadiene | 10.00 | 9.227 | 92 | 68-130 |
| Naphthalene | 10.00 | 11.02 | 110 | 54-136 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 112 | 70-130 | |

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^{*=} Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205231 | | | |
| Units (V): | ppbv | Analyzed: | 11/19/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BSD Lab ID: QC716815

| Analyte | Spiked | Result (V) | %REC | Limits RPD | Lim |
|--------------------------|--------|------------|-------|------------|-----|
| Freon 12 | 10.00 | 10.12 | 101 | 70-130 1 | 20 |
| Freon 114 | 10.00 | 10.27 | 103 | 70-130 0 | 20 |
| Chloromethane | 10.00 | 10.22 | 102 | 70-130 5 | 27 |
| Vinyl Chloride | 10.00 | 10.54 | 105 | 70-130 0 | 23 |
| 1,3-Butadiene | 10.00 | 10.30 | 103 | 70-130 2 | 21 |
| Bromomethane | 10.00 | 10.46 | 105 | 70-130 0 | 20 |
| Chloroethane | 10.00 | 11.16 | 112 | 70-130 2 | 20 |
| Trichlorofluoromethane | 10.00 | 10.42 | 104 | 70-130 2 | 20 |
| Acrolein | 10.00 | 10.71 | 107 | 62-130 2 | 31 |
| 1,1-Dichloroethene | 10.00 | 9.699 | 97 | 70-130 0 | 20 |
| Freon 113 | 10.00 | 9.962 | 100 | 70-130 1 | 23 |
| Acetone | 10.00 | 9.675 | 97 | 67-130 1 | 20 |
| Carbon Disulfide | 10.00 | 9.195 | 92 | 70-130 1 | 20 |
| Methylene Chloride | 10.00 | 9.593 | 96 | 68-130 4 | 23 |
| trans-1,2-Dichloroethene | 10.00 | 10.67 | 107 | 70-130 2 | 20 |
| MTBE | 10.00 | 11.01 | 110 | 70-130 2 | 20 |
| n-Hexane | 10.00 | 11.06 | 111 | 70-130 4 | 20 |
| 1,1-Dichloroethane | 10.00 | 10.57 | 106 | 70-130 0 | 20 |
| Vinyl Acetate | 10.00 | 12.48 | 125 | 70-130 2 | 21 |
| cis-1,2-Dichloroethene | 10.00 | 10.27 | 103 | 70-130 0 | 20 |
| 2-Butanone | 10.00 | 10.97 | 110 | 70-130 1 | 20 |
| Ethyl Acetate | 10.00 | 10.86 | 109 | 70-130 3 | 20 |
| Tetrahydrofuran | 10.00 | 10.07 | 101 | 70-130 4 | 20 |
| Chloroform | 10.00 | 10.06 | 101 | 70-130 1 | 20 |
| 1,1,1-Trichloroethane | 10.00 | 10.01 | 100 | 70-130 5 | 20 |
| Cyclohexane | 10.00 | 10.39 | 104 | 70-130 6 | 20 |
| Carbon Tetrachloride | 10.00 | 10.23 | 102 | 70-130 5 | 20 |
| Benzene | 10.00 | 10.26 | 103 | 70-130 4 | 20 |
| 1,2-Dichloroethane | 10.00 | 10.50 | 105 | 70-130 3 | 20 |
| n-Heptane | 10.00 | 13.35 | 134 * | 70-130 4 | 20 |
| Trichloroethene | 10.00 | 10.05 | 100 | 70-130 5 | 20 |
| 1,2-Dichloropropane | 10.00 | 10.44 | 104 | 70-130 5 | 20 |
| Bromodichloromethane | 10.00 | 9.989 | 100 | 70-130 5 | 20 |

^{*=} Value outside of QC limits; see narrative

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RPD= Relative Percent Difference

Result V= Result in volume units



| | Volatil | e Organics in Ai | lr |
|------------|--------------------|------------------|--------------------|
| Lab #: | 250905 | Location: | Park Ave. Cleaners |
| Client: | Iris Environmental | Prep: | METHOD |
| Project#: | 13-945C | Analysis: | EPA TO-15 |
| Matrix: | Air | Batch#: | 205231 |
| Units (V): | ppbv | Analyzed: | 11/19/13 |
| Diln Fac: | 1.000 | | |

| Analyte | Spiked | Result (V) | %REC | Limits RPD | Lim |
|---------------------------|--------|------------|-------|-------------|-----|
| cis-1,3-Dichloropropene | 10.00 | 10.68 | 107 | 70-130 3 | 20 |
| 4-Methyl-2-Pentanone | 10.00 | 12.51 | 125 | 70-130 1 | 20 |
| Toluene | 10.00 | 10.71 | 107 | 70-130 5 | 23 |
| trans-1,3-Dichloropropene | 10.00 | 11.08 | 111 | 70-130 1 | 20 |
| 1,1,2-Trichloroethane | 10.00 | 8.842 | 88 | 70-130 12 | 20 |
| Tetrachloroethene | 10.00 | 9.487 | 95 | 70-130 10 | 20 |
| 2-Hexanone | 10.00 | 11.89 | 119 | 70-130 7 | 21 |
| Dibromochloromethane | 10.00 | 8.676 | 87 | 70-130 12 | 20 |
| 1,2-Dibromoethane | 10.00 | 9.097 | 91 | 70-130 11 | 20 |
| Chlorobenzene | 10.00 | 10.66 | 107 | 70-130 1 | 21 |
| Ethylbenzene | 10.00 | 11.40 | 114 | 70-130 1 | 20 |
| m,p-Xylenes | 20.00 | 26.29 | 131 * | 70-130 6 | 20 |
| o-Xylene | 10.00 | 13.29 | 133 * | 70-130 4 | 20 |
| Styrene | 10.00 | 13.22 | 132 * | 70-130 9 | 21 |
| Bromoform | 10.00 | 9.385 | 94 | 70-130 12 | 20 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 9.425 | 94 | 70-130 9 | 24 |
| 4-Ethyltoluene | 10.00 | 12.59 | 126 | 70-130 1 | 22 |
| 1,3,5-Trimethylbenzene | 10.00 | 10.54 | 105 | 70-130 3 | 23 |
| 1,2,4-Trimethylbenzene | 10.00 | 10.52 | 105 | 70-130 6 | 24 |
| 1,3-Dichlorobenzene | 10.00 | 11.43 | 114 | 70-130 4 | 22 |
| 1,4-Dichlorobenzene | 10.00 | 10.60 | 106 | 70-130 3 | 22 |
| Benzyl chloride | 10.00 | 11.54 | 115 | 70-130 3 | 21 |
| 1,2-Dichlorobenzene | 10.00 | 10.81 | 108 | 70-130 5 | 22 |
| 1,2,4-Trichlorobenzene | 10.00 | 7.510 | 75 | 62-130 18 | 28 |
| Hexachlorobutadiene | 10.00 | 9.692 | 97 | 68-130 5 | 27 |
| Naphthalene | 10.00 | 7.714 | 77 | 54-136 35 * | 29 |

| Surrogate | %REC | Limits | |
|--------------------|------|--------|--|
| Bromofluorobenzene | 123 | 70-130 | |

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^{*=} Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | |
| Lab ID: | QC716816 | Diln Fac: | 1.000 | | | |
| Matrix: | Air | Batch#: | 205231 | | | |
| Units (V): | ppbv | Analyzed: | 11/19/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|------|--------|--------|
| Freon 12 | ND | 0.50 | ND | 2.5 |
| Freon 114 | ND | 0.50 | ND | 3.5 |
| Chloromethane | ND | 0.50 | ND | 1.0 |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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11.0



| Volatile Organics in Air | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | |
| Client: | Iris Environmental | Prep: | METHOD | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | |
| Type: | BLANK | Units (M): | ug/m3 | | |
| Lab ID: | QC716816 | Diln Fac: | 1.000 | | |
| Matrix: | Air | Batch#: | 205231 | | |
| Units (V): | ppbv | Analyzed: | 11/19/13 | | |

| Analyte | Result (V) | RL | Resu | lt (M) RL |
|---------------------------|------------|------|------|-----------|
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

| | Surrogate %REC | Limits |
|-----------|--------------------|--------|
| Bromofluo | ofluorobenzene 127 | 70-130 |

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

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| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205279 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BS Lab ID: QC716986

| Analyte | Spiked | Result (V) | %REC | Limits |
|--------------------------|--------|------------|-------|--------|
| Freon 12 | 10.00 | 10.55 | 106 | 70-130 |
| Freon 114 | 10.00 | 10.76 | 108 | 70-130 |
| Chloromethane | 10.00 | 10.80 | 108 | 70-130 |
| Vinyl Chloride | 10.00 | 10.80 | 108 | 70-130 |
| 1,3-Butadiene | 10.00 | 10.29 | 103 | 70-130 |
| Bromomethane | 10.00 | 10.83 | 108 | 70-130 |
| Chloroethane | 10.00 | 11.34 | 113 | 70-130 |
| Trichlorofluoromethane | 10.00 | 10.87 | 109 | 70-130 |
| Acrolein | 10.00 | 10.28 | 103 | 62-130 |
| 1,1-Dichloroethene | 10.00 | 10.25 | 103 | 70-130 |
| Freon 113 | 10.00 | 10.44 | 104 | 70-130 |
| Acetone | 10.00 | 9.935 | 99 | 67-130 |
| Carbon Disulfide | 10.00 | 9.529 | 95 | 70-130 |
| Methylene Chloride | 10.00 | 9.404 | 94 | 68-130 |
| trans-1,2-Dichloroethene | 10.00 | 10.98 | 110 | 70-130 |
| MTBE | 10.00 | 11.33 | 113 | 70-130 |
| n-Hexane | 10.00 | 10.95 | 110 | 70-130 |
| 1,1-Dichloroethane | 10.00 | 11.03 | 110 | 70-130 |
| Vinyl Acetate | 10.00 | 12.25 | 123 | 70-130 |
| cis-1,2-Dichloroethene | 10.00 | 10.63 | 106 | 70-130 |
| 2-Butanone | 10.00 | 10.98 | 110 | 70-130 |
| Ethyl Acetate | 10.00 | 10.74 | 107 | 70-130 |
| Tetrahydrofuran | 10.00 | 10.87 | 109 | 70-130 |
| Chloroform | 10.00 | 10.50 | 105 | 70-130 |
| 1,1,1-Trichloroethane | 10.00 | 11.09 | 111 | 70-130 |
| Cyclohexane | 10.00 | 11.16 | 112 | 70-130 |
| Carbon Tetrachloride | 10.00 | 11.38 | 114 | 70-130 |
| Benzene | 10.00 | 11.10 | 111 | 70-130 |
| 1,2-Dichloroethane | 10.00 | 11.52 | 115 | 70-130 |
| n-Heptane | 10.00 | 14.33 b | 143 * | 70-130 |
| Trichloroethene | 10.00 | 10.96 | 110 | 70-130 |
| 1,2-Dichloropropane | 10.00 | 11.47 | 115 | 70-130 |

^{*=} Value outside of QC limits; see narrative

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b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205279 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

| Analyte | Spiked | Result (V) | %REC | Limits |
|---------------------------|--------|------------|------|--------|
| Bromodichloromethane | 10.00 | 11.04 | 110 | 70-130 |
| cis-1,3-Dichloropropene | 10.00 | 11.44 | 114 | 70-130 |
| 4-Methyl-2-Pentanone | 10.00 | 12.88 | 129 | 70-130 |
| Toluene | 10.00 | 10.64 | 106 | 70-130 |
| trans-1,3-Dichloropropene | 10.00 | 11.80 | 118 | 70-130 |
| 1,1,2-Trichloroethane | 10.00 | 9.067 | 91 | 70-130 |
| Tetrachloroethene | 10.00 | 9.441 | 94 | 70-130 |
| 2-Hexanone | 10.00 | 11.71 | 117 | 70-130 |
| Dibromochloromethane | 10.00 | 8.673 | 87 | 70-130 |
| 1,2-Dibromoethane | 10.00 | 9.119 | 91 | 70-130 |
| Chlorobenzene | 10.00 | 10.57 | 106 | 70-130 |
| Ethylbenzene | 10.00 | 11.72 | 117 | 70-130 |
| m,p-Xylenes | 20.00 | 23.77 | 119 | 70-130 |
| o-Xylene | 10.00 | 12.19 | 122 | 70-130 |
| Styrene | 10.00 | 11.73 | 117 | 70-130 |
| Bromoform | 10.00 | 9.467 | 95 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 9.424 | 94 | 70-130 |
| 4-Ethyltoluene | 10.00 | 10.93 | 109 | 70-130 |
| 1,3,5-Trimethylbenzene | 10.00 | 10.02 | 100 | 70-130 |
| 1,2,4-Trimethylbenzene | 10.00 | 10.16 | 102 | 70-130 |
| 1,3-Dichlorobenzene | 10.00 | 10.01 | 100 | 70-130 |
| 1,4-Dichlorobenzene | 10.00 | 9.248 | 92 | 70-130 |
| Benzyl chloride | 10.00 | 10.82 | 108 | 70-130 |
| 1,2-Dichlorobenzene | 10.00 | 9.593 | 96 | 70-130 |
| 1,2,4-Trichlorobenzene | 10.00 | 7.156 | 72 | 62-130 |
| Hexachlorobutadiene | 10.00 | 8.541 | 85 | 68-130 |
| Naphthalene | 10.00 | 7.427 | 74 | 54-136 |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| Bromofluorobenzene | 118 | 70-130 |

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^{*=} Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205279 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

Type: BSD Lab ID: QC716987

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|--------------------------|--------|------------|-------|--------|-----|-----|
| Freon 12 | 10.00 | 10.37 | 104 | 70-130 | 2 | 20 |
| Freon 114 | 10.00 | 10.51 | 105 | 70-130 | 2 | 20 |
| Chloromethane | 10.00 | 9.587 | 96 | 70-130 | 12 | 27 |
| Vinyl Chloride | 10.00 | 10.60 | 106 | 70-130 | 2 | 23 |
| 1,3-Butadiene | 10.00 | 9.966 | 100 | 70-130 | 3 | 21 |
| Bromomethane | 10.00 | 10.61 | 106 | 70-130 | 2 | 20 |
| Chloroethane | 10.00 | 11.08 | 111 | 70-130 | 2 | 20 |
| Trichlorofluoromethane | 10.00 | 10.64 | 106 | 70-130 | 2 | 20 |
| Acrolein | 10.00 | 9.881 | 99 | 62-130 | 4 | 31 |
| 1,1-Dichloroethene | 10.00 | 10.02 | 100 | 70-130 | 2 | 20 |
| Freon 113 | 10.00 | 10.20 | 102 | 70-130 | 2 | 23 |
| Acetone | 10.00 | 9.682 | 97 | 67-130 | 3 | 20 |
| Carbon Disulfide | 10.00 | 9.340 | 93 | 70-130 | 2 | 20 |
| Methylene Chloride | 10.00 | 9.179 | 92 | 68-130 | 2 | 23 |
| trans-1,2-Dichloroethene | 10.00 | 10.71 | 107 | 70-130 | 2 | 20 |
| MTBE | 10.00 | 11.26 | 113 | 70-130 | 1 | 20 |
| n-Hexane | 10.00 | 11.04 | 110 | 70-130 | 1 | 20 |
| 1,1-Dichloroethane | 10.00 | 10.83 | 108 | 70-130 | 2 | 20 |
| Vinyl Acetate | 10.00 | 12.26 | 123 | 70-130 | 0 | 21 |
| cis-1,2-Dichloroethene | 10.00 | 10.43 | 104 | 70-130 | 2 | 20 |
| 2-Butanone | 10.00 | 10.87 | 109 | 70-130 | 1 | 20 |
| Ethyl Acetate | 10.00 | 10.72 | 107 | 70-130 | 0 | 20 |
| Tetrahydrofuran | 10.00 | 10.09 | 101 | 70-130 | 7 | 20 |
| Chloroform | 10.00 | 10.37 | 104 | 70-130 | 1 | 20 |
| 1,1,1-Trichloroethane | 10.00 | 10.25 | 102 | 70-130 | 8 | 20 |
| Cyclohexane | 10.00 | 10.52 | 105 | 70-130 | 6 | 20 |
| Carbon Tetrachloride | 10.00 | 10.61 | 106 | 70-130 | 7 | 20 |
| Benzene | 10.00 | 10.60 | 106 | 70-130 | 5 | 20 |
| 1,2-Dichloroethane | 10.00 | 10.53 | 105 | 70-130 | 9 | 20 |
| n-Heptane | 10.00 | 13.88 b | 139 * | 70-130 | 3 | 20 |
| Trichloroethene | 10.00 | 10.33 | 103 | 70-130 | 6 | 20 |
| 1,2-Dichloropropane | 10.00 | 10.76 | 108 | 70-130 | 6 | 20 |

^{*=} Value outside of QC limits; see narrative

Page 3 of 4

12.0

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|-----------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Matrix: | Air | Batch#: | 205279 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |
| Diln Fac: | 1.000 | | | | | |

| Analyte | Spiked | Result (V) | %REC | Limits | RPD | Lim |
|---------------------------|--------|------------|------|--------|-----|-----|
| Bromodichloromethane | 10.00 | 10.38 | 104 | 70-130 | 6 | 20 |
| cis-1,3-Dichloropropene | 10.00 | 11.09 | 111 | 70-130 | 3 | 20 |
| 4-Methyl-2-Pentanone | 10.00 | 12.47 | 125 | 70-130 | 3 | 20 |
| Toluene | 10.00 | 10.55 | 105 | 70-130 | 1 | 23 |
| trans-1,3-Dichloropropene | 10.00 | 11.55 | 115 | 70-130 | 2 | 20 |
| 1,1,2-Trichloroethane | 10.00 | 8.698 | 87 | 70-130 | 4 | 20 |
| Tetrachloroethene | 10.00 | 9.301 | 93 | 70-130 | 1 | 20 |
| 2-Hexanone | 10.00 | 11.51 | 115 | 70-130 | 2 | 21 |
| Dibromochloromethane | 10.00 | 8.366 | 84 | 70-130 | 4 | 20 |
| 1,2-Dibromoethane | 10.00 | 8.827 | 88 | 70-130 | 3 | 20 |
| Chlorobenzene | 10.00 | 10.60 | 106 | 70-130 | 0 | 21 |
| Ethylbenzene | 10.00 | 11.36 | 114 | 70-130 | 3 | 20 |
| m,p-Xylenes | 20.00 | 21.56 | 108 | 70-130 | 10 | 20 |
| o-Xylene | 10.00 | 11.12 | 111 | 70-130 | 9 | 20 |
| Styrene | 10.00 | 10.49 | 105 | 70-130 | 11 | 21 |
| Bromoform | 10.00 | 9.064 | 91 | 70-130 | 4 | 20 |
| 1,1,2,2-Tetrachloroethane | 10.00 | 9.210 | 92 | 70-130 | 2 | 24 |
| 4-Ethyltoluene | 10.00 | 9.870 | 99 | 70-130 | 10 | 22 |
| 1,3,5-Trimethylbenzene | 10.00 | 9.251 | 93 | 70-130 | 8 | 23 |
| 1,2,4-Trimethylbenzene | 10.00 | 9.299 | 93 | 70-130 | 9 | 24 |
| 1,3-Dichlorobenzene | 10.00 | 8.919 | 89 | 70-130 | 12 | 22 |
| 1,4-Dichlorobenzene | 10.00 | 8.186 | 82 | 70-130 | 12 | 22 |
| Benzyl chloride | 10.00 | 10.19 | 102 | 70-130 | 6 | 21 |
| 1,2-Dichlorobenzene | 10.00 | 8.705 | 87 | 70-130 | 10 | 22 |
| 1,2,4-Trichlorobenzene | 10.00 | 6.987 | 70 | 62-130 | 2 | 28 |
| Hexachlorobutadiene | 10.00 | 7.547 | 75 | 68-130 | 12 | 27 |
| Naphthalene | 10.00 | 7.093 | 71 | 54-136 | 5 | 29 |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| Bromofluorobenzene | 107 | 70-130 |

Page 4 of 4

^{*=} Value outside of QC limits; see narrative

b= See narrative

RPD= Relative Percent Difference

Result V= Result in volume units



| Volatile Organics in Air | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | |
| Lab ID: | QC716988 | Diln Fac: | 1.000 | | | |
| Matrix: | Air | Batch#: | 205279 | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | |

| Analyte | Result (V) | RL | Result | (M) RL |
|--------------------------|------------|------|--------|--------|
| Freon 12 | ND | 0.50 | ND | 2.5 |
| Freon 114 | ND | 0.50 | ND | 3.5 |
| Chloromethane | ND | 0.50 | ND | 1.0 |
| Vinyl Chloride | ND | 0.50 | ND | 1.3 |
| 1,3-Butadiene | ND | 0.50 | ND | 1.1 |
| Bromomethane | ND | 0.50 | ND | 1.9 |
| Chloroethane | ND | 0.50 | ND | 1.3 |
| Trichlorofluoromethane | ND | 0.50 | ND | 2.8 |
| Acrolein | ND | 2.0 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 0.50 | ND | 2.0 |
| Freon 113 | ND | 0.50 | ND | 3.8 |
| Acetone | ND | 2.0 | ND | 4.8 |
| Carbon Disulfide | ND | 0.50 | ND | 1.6 |
| Methylene Chloride | ND | 0.50 | ND | 1.7 |
| trans-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| MTBE | ND | 0.50 | ND | 1.8 |
| n-Hexane | ND | 0.50 | ND | 1.8 |
| 1,1-Dichloroethane | ND | 0.50 | ND | 2.0 |
| Vinyl Acetate | ND | 0.50 | ND | 1.8 |
| cis-1,2-Dichloroethene | ND | 0.50 | ND | 2.0 |
| 2-Butanone | ND | 0.50 | ND | 1.5 |
| Ethyl Acetate | ND | 0.50 | ND | 1.8 |
| Tetrahydrofuran | ND | 0.50 | ND | 1.5 |
| Chloroform | ND | 0.50 | ND | 2.4 |
| 1,1,1-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Cyclohexane | ND | 0.50 | ND | 1.7 |
| Carbon Tetrachloride | ND | 0.50 | ND | 3.1 |
| Benzene | ND | 0.50 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.50 | ND | 2.0 |
| n-Heptane | ND | 0.50 | ND | 2.0 |
| Trichloroethene | ND | 0.50 | ND | 2.7 |
| 1,2-Dichloropropane | ND | 0.50 | ND | 2.3 |
| Bromodichloromethane | ND | 0.50 | ND | 3.4 |
| cis-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |

^{*=} Value outside of QC limits; see narrative

13.0

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 1 of 2



| Volatile Organics in Air | | | | | | | | |
|--------------------------|--------------------|------------|--------------------|--|--|--|--|--|
| Lab #: | 250905 | Location: | Park Ave. Cleaners | | | | | |
| Client: | Iris Environmental | Prep: | METHOD | | | | | |
| Project#: | 13-945C | Analysis: | EPA TO-15 | | | | | |
| Type: | BLANK | Units (M): | ug/m3 | | | | | |
| Lab ID: | QC716988 | Diln Fac: | 1.000 | | | | | |
| Matrix: | Air | Batch#: | 205279 | | | | | |
| Units (V): | ppbv | Analyzed: | 11/20/13 | | | | | |

| Analyte | Result (V) | RL | Resu | lt (M) RL |
|---------------------------|------------|------|------|-----------|
| 4-Methyl-2-Pentanone | ND | 0.50 | ND | 2.0 |
| Toluene | ND | 0.50 | ND | 1.9 |
| trans-1,3-Dichloropropene | ND | 0.50 | ND | 2.3 |
| 1,1,2-Trichloroethane | ND | 0.50 | ND | 2.7 |
| Tetrachloroethene | ND | 0.50 | ND | 3.4 |
| 2-Hexanone | ND | 0.50 | ND | 2.0 |
| Dibromochloromethane | ND | 0.50 | ND | 4.3 |
| 1,2-Dibromoethane | ND | 0.50 | ND | 3.8 |
| Chlorobenzene | ND | 0.50 | ND | 2.3 |
| Ethylbenzene | ND | 0.50 | ND | 2.2 |
| m,p-Xylenes | ND | 0.50 | ND | 2.2 |
| o-Xylene | ND | 0.50 | ND | 2.2 |
| Styrene | ND | 0.50 | ND | 2.1 |
| Bromoform | ND | 0.50 | ND | 5.2 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ND | 3.4 |
| 4-Ethyltoluene | ND | 0.50 | ND | 2.5 |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ND | 2.5 |
| 1,3-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,4-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| Benzyl chloride | ND | 0.50 | ND | 2.6 |
| 1,2-Dichlorobenzene | ND | 0.50 | ND | 3.0 |
| 1,2,4-Trichlorobenzene | ND | 0.50 | ND | 3.7 |
| Hexachlorobutadiene | ND | 0.50 | ND | 5.3 |
| Naphthalene | ND | 2.0 | ND | 10 |

| Surrogate | %REC | Limits | |
|--------------------|-------|--------|--|
| Bromofluorobenzene | 131 * | 70-130 | |

13.0

^{*=} Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Result M= Result in mass units

Result V= Result in volume units

Page 2 of 2

Appendix C Waste Manifests and Bill of Lading Tickets

All Ticket Types History and Waiting October 01, 2013 to December 02, 2013 Specific Contract: 38501317457

38501317457

| Ticket Date | Facili Ticket N | * | mer | | Truck | Material | | Contract Rate | | Billing Jantity | Ordered Quantity | | Maximum Quantity | Material Total | Tax Total | Total |
|-------------------|--------------------|---------------|----------------------|----------------|----------|------------------|-----------|------------------|---------------------|--------------------|---------------------|----------------|---------------------|-------------------|--------------|-------|
| 10/17/2013 I | 01 | 929796 02159 | 1 - INNOVATIVE CONS | TRUCTION SOLI | 1 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 13.50 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/18/2013 I | 01 | 929885 02159 | 1 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 16.76 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/18/2013 I | 01 | 929939 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 18.96 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/18/2013 I | 01 | 929981 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 18.44 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/18/2013 I | 01 | 930010 02159 | 1 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 18.47 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/18/2013 I | 01 | 930033 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 16.97 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/25/2013 I | 01 | 931182 02159 | 1 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 18.44 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 10/25/2013 I | 01 | 931217 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | • | 17.54 TN | 0.00 | \$0.00 | \$0.00 | o - | | |
| 10/25/2013 I | 01 | 931253 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 18.23 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/01/2013 I | 01 | 932328 02159 | 1 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | : | 17.85 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/01/2013 I | 01 | 932373 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.12 TN | 0.00 | \$0.00 | \$0.00 | Anna . | | |
| 11/01/2013 I | 01 | 932414 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.33 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/01/2013 I | 01 | 932455 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.81 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/01/2013 I | 01 | 932490 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 16.27 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/05/2013 I | 01 | 932881 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 16.43 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/05/2013 I | 01 | 932934 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.13 TN | 0.00 | \$0.00 | \$0.00 | | • | |
| 11/05/2013 I | 01 | 932987 02159 | 91 - INNOVATIVE CONS | TRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 15.86 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/05/2013 I | 01 | 933011 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 14.84 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/09/2013 I | 01 | 933686 02159 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.13 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/09/2013 I | 01 | 933708 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.63 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/09/2013 I | 01 | 933723 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | = | 17.59 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/09/2013 I | 01 | 933739 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | F | 15.32 TN | 0.00 | \$0.00 | \$0.00 | | | |
| 11/09/2013 I | 01 | 933755 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | INT725 | SW-CONT SOIL- | ALT DAILY | 23.25 | F | 17.17 TN | 0.00 | \$0.00 | \$0.00 | | .1 | |
| 11/16/2013 I | 01 | 934773 0215 | 91 - INNOVATIVE CONS | STRUCTION SOLI | 1 | SW-CONT SOIL- | ALT DAILY | 23.25 | F | 17.35 TN | 0.00 | \$0.00 | \$0.00 | | | |
| Tickets Reported: | | 24 | Items Reported: | 24 | | | | | | | | Contr | act Totals: | | | _ |
| Material Sum | mary | We Inbound | ght Outbound | Volume | Dutbound | Count Inbound | Outbound | | Billing Quantity | | | Fax otal To | al | | | |
| VI - SW-CONT SC | DIL-ALT D | | 0.00 TN | 0.00 | 0.00 YI | | 0.00 | | 410.14 TN | | | | | | | |



1319885

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

P/ PY 3126 UP 45947

| I. GENERATOR (Generat | or completes la | a-r) b. Manifest Docun | nent Number | | c. Pag | e 1 of | |
|---|---|--|---|--|-----------------------------------|-----------------------------------|--------------------|
| N/A d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd | | | e. Generator's | Mailing Address Ready Family 655 Redwood | Parlnership, L Hwy, Suite 17 | | |
| f, Phone: Dublin, CA 94588 | 415-388-440 | 30 | g. Phone: | Mill Valley, CA | 94941 | 416-388-4 | 460 |
| If owner of the generating facility differs for | rom the generator, | provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phor | ne No.: | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | | . Containers | n. Total Quantity | o. Unit Wt/Vol |
| | | Description | | | o. Type | Quantity | VVVVOI |
| 30501317457 | 4/30/2014 | Soil | | 0 | 01 (11) | 1 / | / <u>I</u> |
| Z B | | | | | | | |
| 77 c | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requ | lassified and pack sly restricted haza | aged, and is in prop rdous waste subject | er condition for tr to the Land Disp | ansportation according and according according and according | ording to appl . I certify and | icable regulat warrant that tl | ions; AND, if this |
| Kim Gorthiev | | King Co | Huen | | | 4 | |
| p. Generator Authorized Agent Name (Pr | int) a | . Signature | <i>~</i> // · · · · · · · · · · · · · · · · · · | | r. Date | | - Andrews |
| II. TRANSPORTER (Gene | | | nsporter comp | letes IIc-e) | | | 1 |
| a. Transporter's Name and Address: LINTINSIC TRANS b. Phone: 707 578 0960 | Inc 3: | 250 Dath | n hur | <i>Sar1777</i> | | 90165Z | × i |
| Brad Dollars | <u> </u> | $\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}\mathcal{L}$ | ollin_ | | 10-1 | 7-13 | |
| c. Driver Name (Print) III. DESTINATION (General | d. Sign | | ation Site com | e. E | ate | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | 925-447-04 | c. US EPA Num | nber d. Discrep | aney Indication | | | |
| I hereby certify that the above named ma | teriai nas been ac | cepted and to the be | est of my know(ec | ige the foregoing |) is true and a | ccurate. | 1 -2 |
| Carlos Mor | <i>W</i> | | <u> </u> | Z | 10- | 17 | <i>/</i> 3 |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator | f. Signa | | complete IVa | | ate, ; | | |
| a. Operator's Name and Address: | | | c. Responsible / | | id Address: | | |
| b. Phone: | 70 | | d. Phone: | | | | |
| e. Special Handling Instructions and Addi | | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby | ı % F v declare that the | riable contents of this cons | % Non-Friable signment are fully | and accurately | described abo | ve by the pror | oer shipping name |
| and are classified, packaged, marked and national governmental regulations. | | | | | | | |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Sign | ature 🔏 | | i. Da | | | |
| *Operator refers to the company which ov renovation operation or both | vns, leases, opera | tes, controls, or sup | ervises the facility | / being demolish | ed or renovate | ed, or the dem | iolition or |

| SITE | | Vasco Road Landfill | | SITE | TICKET # | CE | LL | 7 | |
|---------------|---------------|--|---|---|--|------------------|-------------|---------------|--|
| | · · | 4001 N Vasco Road | | WEIGH | MASTER 929796 | | | | |
| CUSTOMER | L: | ivermore, CA 925-44 | 17-0491 | DATEA | IOPIA. | DA | TE/TIME OUT | | |
| 4011 | VATIV W CH | VE CONSTRUCTION SOLUTIONS HANDLER AVE | | REFER | VEHICLE 17-2013 11:54 am container-2013 12:31 p REFERENCE INTRINSIC TRANSPORTATION 725 INVOICE | | | | |
| | 13174 | A, CA 92704 157 | 1 1 | FLADING #11P45947 | | | 4 | | |
| | | GROSS WEIGHT TARE WEIGHT | 68,920 41,920 | NET TONS | 3 13.50 T 27,000 | | INBOUND | | |
| QTY. | UNIT | DESCF | RIPTION | | PATE | EXTENSION | TAX | TOTAL | |
| 0.00 13.50 | | TRACKING QTY SW-CONT SOIL-ALT DAILY (| COVE DUBLIN | | | | | | |
| by a | weighm: | TER CERTIFICATE - This is to certify that the folloaster, whose signature is on this certificate, who is | a recognized authority | y of accurace, as pre | scribed by Chapter 7 | | | NET AMOUNT | |
| | | g with Section 12700) of Division 5 of the Californi ent Standards of the California Department of Foo | | sions Code, adminis | tered by the Division | | | TENDERED | |
| Th on | e undersig | gned individual signing this document on behalf of C se side and that he or she has the authority to sign t | Customer acknowledges his document on behalf | that he or she has re of the customer. | ead and understands the t | erms and conditi | ions | CHANGE CHECK# | |

CICHATURE



NON-HAZARDOUS SPECIAL WASTE &

1319876

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

| ASBESTOS | MANIFEST WP4594 | 7 |
|---|-----------------|---|
| Bin | DT3136 | |
| | 1210pm | |
| c. Pa | ge 1 of | |
| dress: mily Partnership, rood Hwy, Suite 1 r, CA 94941 | | |
| | | |

| I. GENERATOR (General | or completes | s la-r) | | | | 1210, | ? ~ | | |
|--|--|--|--|---|-----------------------------|---------------------------------------|-------------------|--|--|
| a. Generator's US EPA ID Number | | b. Manifest Docu | ment Number | | c. Page | 1 of / | | | |
| d. Generator's Name and Location: Ready Family Partnership, LF 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94568 | 415-388- | 4460 | e. Generator's Mailing Address: Ready Family Partnership, LP 656 Redwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 415-388-4460 | | | | | | |
| If owner of the generating facility differs t | rom the generat | or, provide: | | | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No. | | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Shi | pping Name and | m. Cor No. | tainers Type | n. Total Quantity | o. Unit Wt/Vol | | |
| | | | | | 35 | | | | |
| 38501317457 | 4/30/201 | f Soil | Soil | | M | 1/ | 1995=7 | | |
| a | | | | | | | | | |
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| d G | | | | | | | | | |
| GENERATOR'S CERTIFICATION: I her state law, has been properly described, of waste is a treatment residue of a previou been treated in accordance with the requ | classified and pa sly restricted ha | ickaged, and is in proj zardous waste subjec | per condition for transpo t to the Land Disposal F | ortation accordin Restrictions. I ce | g to applice rtify and w | able regulations arrant that the v | ; AND, if this | | |
| KIM GONTHI | | thier: | | 10-18-13 | | | | | |
| p. Generator Authorized Agent Name (PII. TRANSPORTER (Generator Authorized Agent Name (PII. TRANSPORTER (Generator Authorized Agent Name (PIII. TRANSPORTER (Generator Authori | And the first and the first of | q. Signature) | nenorter completes | د ااد | r. Date | | | | |
| a. Transporter's Name and Address: b. Phone: 707-578-0 | INTE 1 3250 1 960 | DULTON AV | auxpont. Sauto | | | | | | |
| Brac De Marco c. Driver Name (Print) | / | Sanature | 2 <i>ll</i> - | e. Date | 18 13 | | | | |
| III. DESTINATION (General | | | ation Site complete | | | | | | |
| b. Livermore, CA 94061 1/10 | 4 6 325 byst | | mber d. Discrepancy | TIME! | 2 | | | | |
| I hereby certify that the above named ma | ateriai nas been a_V/ | accepted and to the c | best of my knowledge th | eworegoing is in | ue and ac | curate. | ~ | | |
| HAN TONTITE | 7x 1 | mature () | 4mert & | g. Date | 10 | -10-1 | | | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator | The state of the s | | r complete IVa-i) | , y. Date | | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agend | y Name and Ad | ldress: | | | | |
| b. Phone: | | | d. Phone: | | | | | | |
| e. Special Handling Instructions and Add | litional Informati | on: | | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Bot | | Friable | % Non-Friable | | | E-1 () | abinai | | |
| OPERATOR'S CERTIFICATION: I heret and are classified, packaged, marked an national governmental regulations. | oy declare that the declar of | ne contents of this cor ded, and are in all res | nsignment are fully and a spects in proper condition | accurately desci on for transport a | nccording | e by the proper to applicable inte | ernational and | | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) | h. S | ignature | | i. Date | | J 46 | | | |
| *Operator refers to the company which or renovation operation or both | wns, leases, op | erates, controls, or su | pervises the facility bein | g demolished o | r renovate | a, or tne demolit | ion or | | |

| CUSTOMER 021591 INNOVATIV 4011 W C | Vasco Road Landfil 4001 N Vasco Road Livermore, CA 925- VE CONSTRUCTION SOLUTIONS HANDLER AVE A, CA 92704 | 01 WEIGHMASTER TN — C DATETIME IN 10-18-2 VEHICLE INT725 REFERENCE BILL OF LADIN | edroza Emmeour Tainer | 3 1:18 pm | | | |
|-------------------------------------|---|--|-----------------------------|-------------------|---------------------|---------|---------------------|
| | GROSS WEIGHT TARE WEIGHT | 78,360 41,420 | NET TONS NET WEIGHT | 18.47 36,940 | | INBOUNE |) TOTAL |
| 0.00 YD 18.47 TN | TRACKING QTY SW-CONT SOIL-ALT DAILY | COVE DUBLIN | | RATE | EXTENSION | | 10174 |
| by a weighma (commencing | TER CERTIFICATE - This is to certify that the follower whose signature is on this certificate, who is with Section 12700) of Division 5 of the Californent Standards of the California Department of Fo | is a recognized authority of nia Business and Profession | accurace, as prescribed b | by Chapter 7 | | | NET AMOUNT TENDERED |
| The unders | igned individual signing this document on behalf o | of Customer acknowledges th | at he or she has read and | understands the t | terms and condition | ıs | CHANGE |
| on the reve | rse side and that he or she has the authority to sign | | TURE | | orting . | | CHECK# |
| | | | | | | | |



1319875

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

| | | | | | 198 | i din | | |
|---|---|-------|-----|---|-----|-------|---------|------|
| 1 | | | 2 | - | 1 | | 183 | |
| 1 | - | | 341 | | 4 | 14 | filler, | |
| r | | n new | 1 | | | | | |
| | 1 | | | | * | 02 | 11 | Agen |

| I. GENERATOR (Generato | | | | | | | 1070 | |
|---|---|--|--|---|------------------------------|---|---------------------------------|--|
| a. Generator's US EPA ID Number N/A | | b. Manifest Docum | nent Number | | c. Page | 1 of / | | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94566 | 415-388-4480 | . | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 415-388-4460 | | | | | |
| If owner of the generating facility differs from | om the generator, p | orovide: | | | | | | |
| h. Owner's Name: | 1 | | i, Owner's Phon | | | 1 | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Shipper Description | ping Name and | m. Co No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol | |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 11 | TONS 181 | |
| | | | | | | | | |
| C | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | lassified and packaç sly restricted hazard | ged, and is in prope dous waste subject | er condition for tra to the Land Dispo ger a hazardous v | ansportation accordi osal Restrictions. I c vaste as defined by | ng to applic ertify and w | cable regulations varrant that the v | s; AND, if this | |
| KIM GONTHIER | | Kfer | ntmer | (| 10/1 |)-1×- | / | |
| p. Generator Authorized Agent Name (Pri II. TRANSPORTER (Gene | | Signature () | | | r. Date | | | |
| a. Transporter's Name and Address: | TNYRING10 3250 DUY 960 | E.TRAUS | PORYAY | NOV CA | | INT 78 | 95) [,] | |
| KrAd DEMARCO | | レジル | 1 <u>.</u> | 10 | 10 18 13 | | | |
| c. Driver Name (Print) | d. Signat | | 41 Oira aasa | e. Date | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | Pell10-764 925-447-0491 | c. US EPA Num | ber d. Discrepa | ancy Indication Spa | | | | |
| I hereby certify that the above named mat | Kr — | epted and to the be | Lown of to | ge the foregoing is | 10 and ac | 18-13 | | |
| e. Name of Authorized Agent (Print) | f. Signatu | | <u> TRHINO</u> | g. Date | 10 1 | 0 13 | | |
| IV. ASBESTOS (Generator | | | complete IVg- | | | | | |
| a. Operator's Name and Address: . b. Phone: | • | | | Agency Name and A | ddress: | | | |
| e. Special Handling Instructions and Addit | ionai iniorniauori. | | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both | % Frie | able | % Non-Friable | | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the co | ontents of this cons | signment are fully | and accurately desc ndition for transport | cribed abov according t | e by the proper to applicable into | shipping name ernational and | |
| g. Operator's Name and Title (Print) | h. Signal | iture | | i. Date | | | | |
| *Operator refers to the company which ow | ns, leases, operate | es, controls, or sup | ervises the facility | | or renovate | d, or the demolif | lion or | |

| 4011 SANT | 91 VATIV W CH | E CONSTRUCTION SOLUTIONS ANDLER AVE , CA 92704 | 447-0491 | | WEIGHMASTER TN M DATE/TIME IN 10-18-2 VEHICLE TNT725 REFERENCE BILL OF LADING | -929981 Pedroza 01310:5 | DATE/ | TIME OUT | 11:26 am |
|--------------|---------------------|---|---|-----------------------------|---|-------------------------------|-------------------|----------|------------|
| | | GROSS WEIGHT TARE WEIGHT | 78,500 41,620 | | TONS EIGHT | 18.44 36,880 |] | INBOUND | |
| QTY. | UNIT | DES | CRIPTION | | | RATE | EXTENSION | TAX | TOTAL |
| (comm | encing w | TRACKING QTY SW-CONT SOIL-ALT DAILY (R CERTIFICATE - This is to certify that the folloer, whose signature is on this certificate, who is th Section 12700) of Division 5 of the California | wing described commodity | | | | | | NET AMOUNT |
| 0. 11100 | our criticiti | Otandards of the Camornia Department of Food | d & Agriculture. | | | | | | TENDERED |
| on t | he reversi | ned individual signing this document on behalf of a side and that he or she has the authority to sign | Customer acknowledges the this document on behalf of | at he or she the custome | has read and un- | derstands the ten | ms and conditions | | CHANGE |
| S-F042UP | | | | | • | | | | CHECK# |
| | | | | | | | | | |



If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\color{red} {\bf NOT}}$ asbestos waste, complete Sections I, II and III

BIN PT 3126

1319883

| I. GENERATOR (Generat | or completes la | ı-r) | | | | | |
|--|---|--|--|---|------------------------------|-------------------------------------|----------------------------------|
| a. Generator's US EPA ID Number | | b. Manifest Docur | | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 § 7104 Dublin Rd f. Phone: Dublin, CA 94508 | 416-388-449 | | 655 Rec | ddress: -amily Partr twood Hwy, ey, CA 949 | Suite 177 | 416-588-4460 | |
| If owner of the generating facility differs f | rom the generator, | provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | m. Cor No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| | | Description | | | 1,750 | | 177 |
| 38501317457 | 4/30/2014 | Sai | | 001 | CM | 1/ | Torreliga |
| B | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previou been treated in accordance with the requ | classified and packa sly restricted hazare | iged, and is in prop dous waste subject | er condition for transportate to the Land Disposal Res | tion accordir trictions. I ce | ng to applic ertify and w | able regulation arrant that the | s; AND, if this |
| KIM GONTHIËR | | Kun | Cathier | | 10- | 10-1 | 3 |
| p. Generator Authorized Agent Name (Pr | | Signature (| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | r. Date | 10 1 | |
| II. TRANSPORTER (Gene | | s lla-b and Tra | nsporter completes lic | c-e) | | | |
| a. Transporter's Name and Address: | ntrinsic | Trans | Inc, | | | | |
| 27 | 50 5.4 | ou Are | Santa Ros | A CA | | | |
| b. Phone: 70 | 72 5743 | 0960 | | | | | |
| 7.1 D.11. | 17 | 100-1 | Marie a | 10 | 12 | 18 | |
| c. Driver Name (Print) | d. Signa | ature | | e. Date | | <u> </u> | |
| III. DESTINATION (General | | North and the second and the second and the second and | ation Site completes | IIId-g) | | | |
| a. Disposal Facility and Site Address: | 17 | c, US EPA Nur | nber d. Discrepancy Indi | ication Spac | e: | | |
| Vasco Rd Landfill 4001 N. Vasco Rd | М. | Kerhow | 1 Uniview | luze | | | |
| Livernore CA 94551 | 925-447-049 | 1 | | Ď | | | |
| I hereby certify that the above named ma | aterial has been acc | epted and to the b | est of my knowledge the fo | oregoing is t | rue and ac | curate. | |
| Kim GONTHIE | RKG 1 | Kumfa | thinks | | 1 | 0-18-1. | 3 |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator | f. Signa | Security of the second security of the second secon | complete (Va-i) | g. Date | | | |
| a. Operator's Name and Address: | completes (va- | Tand Operator | c. Responsible Agency N | lame and A | ddress: | | |
| a. Operator s Marine and Address. | | | | | | | |
| | | | 기가 등 경기 (1985년 일 1984년 경기 : 1884년 1월 1일 - 1987년 1 | | | | |
| b. Phone: | | | d. Phone: | | | | |
| e. Special Handling Instructions and Add | itional Information: | | | | | | |
| f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereb and are classified, packaged, marked an national governmental regulations. | y declare that the c | ontents of this con | % Non-Friable signment are fully and accopects in proper condition for | urately desc or transport | ribed abov according l | e by the proper o applicable int | shipping name, ernational and |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signa | | | i. Date | | | |
| *Operator refers to the company which a | uma laggad angest | ac controle or our | conject the facility being d | amaliched a | r ranguata | ilomah adt on h | tion or |

renovation operation or both

| зітё | | sco Road Landfill 001 N Vasco Road CA 925-4 | 47-0491 | | 01 WEIGHMASTE | | OUT - C | | |
|--|--|---|--|------------------|---|--------------------|---------------------|-------------------------|------------|
| | 591 | UCTION SOLUTIONS | | | DATE/TIME IN 10-18- VEHICLE INT725 | -2013 9: | 10 am 10 | TIME OUT -18-2013 AINER | 3 9:52 ar |
| SAN | TA ANA, CA 92 01317457 | | | | BILL OF LADI | NG | |] | INVOICE |
| was to see the second s | | GROSS WEIGHT | 79,480 | NET | TONS | 18.96 | | | |
| | | TARE WEIGHT | 41,560 | NET W | EIGHT | 37,920 | | INBOUN | D |
| by (co | 6 TN SW-CONT EIGHMASTER CERTIFICA a weighmaster, whose sign | | lowing described com s a recognized autho ia Business and Prof | nmodity was we | e, as prescribed | d by Chapter 7 | EXTENSION | TAX | NET AMOUNT |
| т | he undersigned individual si | gning this document on behalf of | Customer acknowledg | es that he or st | ne has read and | understands the te | erms and conditions | | CHANGE |
| | n the reverse side and that h 2/2 JPR (07/12) | e or she has the authority to sign to | | | ner. | | | | CHECK# |
| 10-10-20 | | | | | | | | | |

CELL



1319884

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

7,6# 725 H 1000000

| I. GENERATOR (General | or complet | es la-r) | | | | | 10 th | 414277 | |
|--|--|--|---------------------------------------|--|-------------------------------|--|-----------------------------|-------------------------------------|-------------------|
| a. Generator's US EPA ID Number N/A | | b. | Manifest Docun | nent Number | | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LF 7102 & 7104 Dublin Rd Dublin, CA 94568 | 415-38 | 3-4460 | | e. Generator's g. Phone: | Ready Fa 855 Redu | tress: mily Partn rood Hwy, r, CA 949 | Suite 177 | | • |
| If owner of the generating facility differs t | rom the gener | rator, pro | vide: | | | | | | |
| h. Owner's Name: | | | | i. Owner's Pho | one No.: | | | | |
| j. Waste Profile # | k. Exp. Dat | е | I. Waste Ship Description | ping Name and | | m. Cor No. | tainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 4/20/20 | 14 | Soil | | | 001 | CM | 1/ | ion) |
| B | | | | | | | | | |
| C. | | | | | | | | | |
| GENERATOR'S CERTIFICATION: I her state law, has been properly described, owaste is a treatment residue of a previou been treated in accordance with the requ | lassified and sly restricted l | packaged hazardou | d, and is in prop is waste subject | er condition for to the Land Dis | transportatio posal Restri | n accordin ctions. I ce | g to applice rtify and w | cable regulatio varrant that the | ns; AND, if this |
| KIM GONTHIE | | | KIM | toth | w | | | | |
| p. Generator Authorized Agent Name (P | Professional and Committee and | | gnature (| | | | r. Date | | |
| II. TRANSPORTER (General Transporter's Name and Address: | erator comp | oletes II | a-b and Trar | isporter com | pietes lic- | e) | | | |
| Intrinsic 1. 3250 Dutton AV | rHUS 5 Smit | 工作 | esa CA | | | (| IN | TTa | 5) |
| Brand Dellara c. Driver Name (Print) | | <u> </u> | <u> </u> | <u> </u> | | e. Date | 16 | 3 13 | |
| III. DESTINATION (Genera | | to a transfer partial gradual | | ition Site cor | noletes III | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | M. Pe 925-44 | U/10/7 7-0491 | c. US EPA Num | ber d. Discre | pancy Indica | ation Space | | | |
| I hereby certify that the above named ma | C lenai nas bee | n accept | ed and to the be | A. The knowledge of the state o | eage the lore | going is in | ue and ac | curate. ^> | |
| e. Name of Authorized Agent (Print) | 0 | Signature | | nce to | <i>o</i> r - | g. Date | <u> </u> | 5 | |
| IV. ASBESTOS (Generator | The state of the s | Control of the Contro | 14.3 | complete IV | g-i) | g. Date | | | |
| a. Operator's Name and Address: | | | | c. Responsible | | ne and Ad | dress: | | |
| b. Phone; | | | | d. Phone: | | | | | |
| e. Special Handling Instructions and Add | itional Informa | ition: | | | | | | | |
| f. Friable Non-Friable Bott | | % Friable | | % Non-Friable | | | | | |
| OPERATOR'S CERTIFICATION: I hereband are classified, packaged, marked an national governmental regulations. | | | | | | | | | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) | | Signature | | | | i. Date | | | |
| *Operator refers to the company which or renovation operation or both | wns, leases, o | perates, | controls, or sup- | ervises the facili | ty being den | nolished or | renovated | d, or the demo | lition or |

| | * | Vasco Road Landfill 4001 N Vasco Road | | WEIGHM. | ASTER | 929885 | · · · · · · · · · · · · · · · · · · · | <u></u> | | |
|-----------------|----------------------|--|--|---------------------------------------|-----------|-----------------|---------------------------------------|---------|-----------|---------------------|
| CUSTOMER | ——Li | vermore, CA 925-447-0491 | | MATE THE | reno z | a | | DATE | TIME OUT | ···· |
| 4011 SANTA | VATIVI W CHA | E CONSTRUCTION SOLUTIONS ANDLER AVE CA 92704 57 | | VEHICLE INT7 REFEREN BILL OF | 25 NCE | | 28 am | 26Мт | ANER 2013 | 8:00 am |
| | | GROSS WEIGHT 75,260 TARE WEIGHT 41,740 | | TONS EIGHT | | 16.76 33,520 | | | INBOUND | |
| QTY. | UNIT | DESCRIPTION | | | | RATE | EXTENSI | ON | TAX | TOTAL |
| 0.00 16.76 | YD TN | TRACKING QTY SW-CONT SOIL-ALT DAILY COVE DUE | 3LIN | | | | | | | |
| by a w | eighmast encing w | R CERTIFICATE - This is to certify that the following describe er, whose signature is on this certificate, who is a recognized ith Section 12700) of Division 5 of the California Business and Standards of the California Department of Food & Agriculture | authority of accurace, as d Professions Code, add | s prescrib | ed by C | Chapter 7 | | | | NET AMOUNT TENDERED |
| The | e undersig | ned individual signing this document on behalf of Customer ack | nowledges that he or she | e has read | l and un | derstands the t | terms and con | ditions | | CHANGE |
| on RS-F042UF | | e side and that he or she has the authority to sign this document | t on behalf of the custom | | | | | | | CHECK# |
| | | | | | | | | | | |



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST TO THE WASTE
1319877

| I. GENERATOR (Genera | tor completes la | a-r) | | | | | |
|---|---|--|--|---|------------------------------|--|-------------------------------|
| a. Generator's US EPA ID Number WA | | b. Manifest Docur | ment Number | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LF 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94568. | P 415-388-446 | 9 0 | 655 F | g Address: ly Family Partn Redwood Hwy, /alley, CA 949 | Suite 177 | | |
| If owner of the generating facility differs | from the generator, | provide: | • | | | | |
| h. Owner's Name: j. Waste Profile # | k. Exp. Date | I I. Waste Shir | i. Owner's Phone No. | | ntainers | n. Total | o. Unit |
| | | Description | | No. | Туре | Quantity | Wt/Vol |
| 38501317457 | 4/30/2014 | Sal | | 001 | CM | 11 | X 100 20 1 |
| <u>7. B.</u> | | | | | | | |
| | | | | | | | |
| GENERATOR'S CERTIFICATION: I her state law, has been properly described, waste is a treatment residue of a previou been treated in accordance with the requ | classified and packa usly restricted hazar | aged, and is in prop rdous waste subject | per condition for transport to the Land Disposal R | rtation accordin testrictions. I ce | ig to applic ertify and w | cable regulations; varrant that the w | ; AND, if this |
| KIM GONTHE | <i>≣R</i> [s | Kaw | Fluer: | | 10 | - 11-1 | 7.5 |
| p. Generator Authorized Agent Name (P | Sales Student from the Second Section 1995 by | . Signature | | | r. Date | | |
| II. TRANSPORTER (Gene | | | | | | | |
| a. Transporter's Name and Address: b. Phone: 70 7 - 5 72 - 0 96 | JU +21 3250 L | Dutter Di | enryonta | | | | |
| Brael 1 & MARCE | · L | UDLI/ | | 10- | -18- | 17 | |
| c. Driver Name (Print) | d. Signa | And the control of th | | e. Date | | | |
| a. Disposal Facility and Site Address: | ator complete iii | la-c and Destina c. US EPA Num | | | ~ | | |
| Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | U. <i>Vedrot</i> 925-447-048 | 74 M | (hi) | pedies | (-) | | |
| I hereby certify that the above named ma | aterial has been acc | cepted and to the be | est of my knowledge the | foregoing is tr | ue and acc | curate. | |
| e. Name of Authorized Agent (Print) | f. Signa | Hand Johnston | officer f | g. Date | | 0-187 | <u> </u> |
| IV. ASBESTOS (Generator | completes IVa | -f and Operator | complete IVg-i) | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agency | / Name and Ad | dress: | | |
| b. Phone: | | | d. Phone: | | | | |
| e. Special Handling Instructions and Add | litional Information: | | | | | | |
| f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereband are classified, packaged, marked an national governmental regulations. | by declare that the c | contents of this cons | % Non-Friable signment are fully and a pects in proper condition | ccurately descr of for transport a | ibed above ccording to | by the proper s applicable inter | hipping name, national and |
| | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company which or | h. Signa | | ervises the facility being | i. Date | renovater | or the demolitic | on or |

renovation operation or both

| Vasco Road Landfill 4001 N Vasco Road | SITE TICKET # CELL WEIGHMASTER 930033 |
|---|--|
| Livermore, CA 925-447-0491 | DATETIME IN PEDROZA OUT TOATETIMEOUT |
| 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 | VEHICLE 18-2013 2:30 pm container 2013 3:01 pr |
| 38501317457 | BILL OF LADING |
| GROSS WEIGHT 74,080 N | JET TONS 16.97 T WEIGHT 33,940 INBOUND |
| QTY. UNIT DESCRIPTION | RATE EXTENSION TAX TOTAL |
| 0.00 YD TRACKING QTY 16.97 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity we by a weighmaster, whose signature is on this certificate, who is a recognized authority of acc (commencing with Section 12700) of Division 5 of the California Business and Professions C of Measurement Standards of the California Department of Food & Agriculture. | urace, as prescribed by Chapter 7 |
| · | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he on the reverse side and that he or she has the authority to sign this document on behalf of the c | ustomer. |
| RS-F042UPR (07/12) 2/21 SIGNATURI | CHECK# |
| | |

•



1319705

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

BIN \$3126

| GENERATOR (Generate | or completes la | a-r) | | | | | |
|--|--|--|---|--|------------------|------------------------------------|-------------------|
| a. Generator's US EPA ID Number N/A | | b. Manifest Docun | nent Number | | c. Page | 1 of / | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: | 416-388-446 | | 655 Re | Address: Family Partr dwood Hwy Iey, CA 949 | Suite 177 | | |
| If owner of the generating facility differs from | om the generator, | provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | m. Coi No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| The state of the s | | | | 1.0. | 1,750 | Guariacy | 1117 |
| 38501317457 | 4/30/2014 | Sol | | 001 | CM | 12 | Fons |
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| c - / | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described of a previous been treated in accordance with the requirements. | assified and packa ly restricted hazar | aged, and is in prope rdous waste subject | er condition for transporta to the Land Disposal Res | ition accordir trictions. I ce | ng to applice | cable regulations | s: AND, if this |
| VINA GOATHIER | <i>-</i> | Kan | three : | | 7 | 1-9-13 | 3 |
| p. Generator Authorized Agent Name (Pri | nt) q. | . Signature() | V-C-C | | r. Date | | |
| II. TRANSPORTER (Gener | rator complete | s Ila-b and Tran | sporter completes II | с-е) | | | |
| a. Transporter's Name and Address: b. Phone: 707-578-0 | 1250 D 160 | utton Ai | Sports to | ROIX | ? ? K | \$13 M | 7/ |
| RONBIANCE c. Driver Name (Print) | O 0 d. Signa | <u>Lon Au</u> | 01) | e. Date |]/- | 9-1 | 3 |
| III. DESTINATION (Generat | The first of the second second section is a contract. | SHORT THE STATE OF | tion Site completes | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named mate | 925-447-049 erial has been acc | | | | | ourate. | |
| Marlas Mora | | | MM) | 1 | 11-0 | _ / - 2 | |
| e. Name of Authorized Agent (Print) | f. Signat | ture | | g. Date | (| <u> </u> | |
| IV. ASBESTOS (Generator of | The company of the second seco | and the second of the second o | complete IVg-i) | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agency N | lame and Ad | dress: | | |
| b. Phone: e. Special Handling Instructions and Addition | ional Information: | | d. Phone: | | | | |
| e. Opeoid i idiidiing maraduloi and Addii | Ullai illiUmauun. | | | | | | |
| f. Friable Non-Friable Both | % Fri | | % Non-Friable | | | | <u> </u> |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | labeled/placarded | ontents of this consi | ignment are fully and acci ects in proper condition fo | urately descr or transport a | ccording to |) by the proper so applicable inte | rnational and |
| | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company which own renovation operation or both | h. Signa ns, leases, operate | iture es, controls, or supe | ervises the facility being de | i. Date emolished or | renovated | , or the demoliti | on or |

| ITE | Vasco Road Landfil | | Si | TE ₀₁ TICKE | T#933739 | | CELL | | |
|---|--|-------------------------|------------------|-----------------------------|--|---------------|------------------------|----------|------------|
| | 4001 N Vasco Road Livermore, CA 925- | 447-0491 | Wi | EIGHMASTER | MORA (| | Podro | 7.0 | |
| USTOMER | LIVEIMOIE, CA 925 | 447.0431 | | ATE/TIME IN 11-09-2 | | J01 - M. | DATE/TIME OI 11-9-2 | ıa IT | |
| 021591 TNNOVATT | VE CONSTRUCTION SOLUTIONS | | I I | | 013 1 | | 11-9-2 CONTAINER | 013 | 2:04 pm |
| | HANDLER AVE | • | I L | TNF725 | | | CONTAINER | | |
| | A, CA 92704 | | RE | eference LIC# WP: | 13191 | | | IN | VOICE |
| 38501317 | 457 | | BII | LL OF LADING | à | | | | |
| *************************************** | GROSS WEIGHT | 70,460 | NET 7 | IONS | 15.32 | 2 | | | |
| | TARE WEIGHT | 39,820 | NET WE | | 30,640 | | INBO | DUND | |
| QTY. UNIT | DES | CRIPTION | ANATO SATA. | | RATE | EXTENSIO | N T | AX | TOTAL |
| 0.00 YD | TRACKING QTY | | · | | ······································ | | | | |
| 15.32 TN | SW-CONT SOIL-ALT DAILY | COVE DUBLIN | | | | | | | |
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| | The state of the s | | | | | | | | |
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| | TER CERTIFICATE - This is to certify that the foll aster, whose signature is on this certificate, who is | | | | | | | | NET AMOUNT |
| (commencing | g with Section 12700) of Division 5 of the Californett Standards of the California Department of Fo | ia Business and Profess | sions Code, admi | inistered by the | ne Division | | | | |
| oi weasurem | ent Standards of the Camornia Department of Fo | od & Agriculture. | | | | | | | TENDERED |
| | igned individual signing this document on behalf of | | | | nderstands the t | erms and cond | itions | | CHANGE |
| on the rever | rse side and that he or she has the authority to sign | | | | | *. | | | CHECK# |
| RS-F042UPR (07/1 | 2) | | NATURE | | | | | _ | |
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1319704

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

Bin # PT3439

| a. Generator's US EPA ID Number N/A | | b. Manifest Docu | ment Number | | c. Page | 1 of / | |
|--|---|---|--|---|-----------------------------|---------------------------------|-------------------|
| d. Generator's Name and Location: Ready Family Partnership, 7102 & 7104 Dublin Rd Dublin, CA 94566 f. Phone: | 415-388-4 | | 655 | ng Address: ady Family Partn i Redwood Hwy, Valley, CA 949 | Suite 177 | | |
| If owner of the generating facility differ | rs from the generate | or, provide: | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | | |
| h. Owner's Name: | | | i. Owner's Phone No | | | | |
| . Waste Profile # | k. Exp. Date | I. Waste Ship Description | oping Name and | m. Cor No. | tainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 4/30/2014 | Soil | | 00/ | CM | 12 | L/ |
| B . | | | | | | | |
| | | | | | | | |
| SENERATOR'S CERTIFICATION: I he tate law, has been properly described waste is a treatment residue of a previous treated in accordance with the re | d, classified and padiously restricted haz | ckaged, and is in prop ardous waste subject | per condition for transp t to the Land Disposal | ortation accordin Restrictions. I ce | ig to applice | able regulation arrant that the | s; AND, if thi |
| KIM GONTH | IER | Kar | ther | | > // | 19-1- | 3 |
| Generator Authorized Agent Name (| parameter and demand any or activities and accommodition | q. Signature | | | r. Date | | |
| | | | nsporter complete | | | 1/101 | 3191 |
| . Transporter's Name and Address: Phone: 707- 578- | INTRIN ZZED DIN | | nsporter complete LADO HOVE | | CA | WPI | 3191 |
| Phone: 707-578-Rono IAWCO | INTRIN 2250 Dun 0960 | | | | C1 1-9 | WP1 | 3191 |
| Transporter's Name and Address: Phone: 707-578- Rono (Address: | INTRIN 2250 Dun 0960 d. sig | Sic TRAN How Avi, Roy Bu gnature | spirts the | Kosa, | (1) 1-9 | ωP1 | 3191 |
| Transporter's Name and Address: Phone: 707- 578- Ron O I Awc O Driver Name (Print) I. DESTINATION (Gene | INTRIN 2250 Dun 0960 d. sig | Coy Buganture c. US EPA Num | Sau ha | Kosa, | C-1 J 9 Bi | WP1 | 3191 |
| Phone: 707-578- Phone: 707-578- Phone: 707-578- Phone: 707-578- Driver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | INAKIN 2750 Din 0960 d. sig erator complete | Pen Bugnature Illa-c and Destina c. US EPA Nun | ation Site complet | e. Date es IIId-g) Indication Space | | <u>-/3</u> | 3191 |
| Phone: 707-578- Diver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Lendfill 4001 N. Vasco Rd. Livermore, CA 94551 hereby certify that the above named in the control of the control | INAKIN 2750 Din 0960 d. sig erator complete | Pen Bugnature Illa-c and Destina c. US EPA Nun | ation Site complet | e. Date es IIId-g) Indication Space | | <u>-/3</u> | |
| Phone: 707-578- Phone: 707-578- Phone: 707-578- Phone: 707-578- Driver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N Vasco Rd. Livermore, CA 94551 Thereby certify that the above named in the property of the propert | Jwkiw 2750 Dun 0960 d. Signator complete 925-447-0 material has been a | Pen Bugnature Illa-c and Destina c. US EPA Nun accepted and to the bugnature | ation Site completed d. Discrepancy | e. Date es IIId-g) Indication Space | | curate. | |
| . Phone: 707-578- Ronon Janoo Driver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 hereby certify that the above named in Name of Authorized Agent (Print) V. ASBESTOS (Generate | Jwkiw 2750 Dun 0960 d. Signator complete 925-447-0 material has been a | Pen Bugnature Illa-c and Destina c. US EPA Nun accepted and to the bugnature | ation Site completenber d. Discrepancy est of my knowledge if complete IVg-i) | e. Date es IIId-g) Indication Space | ue and acc | curate. | |
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| Phone: 707-578- Phone: 707-578- Phone: 707-578- Phone: 707-578- Priver Name (Print) II. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 hereby certify that the above named in the company of th | Juda in a sign of the sign of | mature a-f and Operator 7. Avi, C. US EPA Num accepted and to the beautiful for | ation Site completed d. Discrepancy est of my knowledge the complete IVg-i) c. Responsible Agenda. Phone: | e. Date es IIId-g) Indication Space | ue and acc | curate. | |
| Phone: 707-578- Phone: 707-578- Phone: 707-578- Phone: 707-578- Priver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 Phone: Name of Authorized Agent (Print) ASBESTOS (Generate Operator's Name and Address: | Judicinal Information at the second | Illa-c and Destina c. US EPA Nun accepted and to the best and operator a-f and Operator Friable contents of this cons | ation Site completenber d. Discrepancy est of my knowledge the complete IVg-i) c. Responsible Agenda. Phone: | e. Date es IIId-g) Indication Space g. Date g. Date cy Name and Ad | ue and acc | courate. | shipping nar |
| Phone: 707-578- Phone: 707-578- Phone: 707-578- Phone: 707-578- Priver Name (Print) I. DESTINATION (Gene Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 Dereby certify that the above named in the company of Authorized Agent (Print) ASBESTOS (Generate Dereator's Name and Address: Phone: Special Handling Instructions and Address: Phone: Special Handling Instructions and Address: Phone: Special Handling Instructions and Address: Bernator's Certification: I here it are classified, packaged, marked and are classified, packaged, marked and are classified, packaged, marked and Address: | Judicinal Information at the second | Illa-c and Destina c. US EPA Nun accepted and to the best and operator a-f and Operator Friable contents of this cons | ation Site completenber d. Discrepancy est of my knowledge the complete IVg-i) c. Responsible Agenda. Phone: | e. Date es IIId-g) Indication Space g. Date g. Date cy Name and Ad | ue and acc | courate. | shipping nar |

| Livermore, CA 925-447-0491 TOMER O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT - 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TY. UNIT DESCRIPTION RATE EXTENSION TAX TO O.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 of Measurement Standards of the California Business and Professions Code, administered by the Division The undersigned individual signing this document on behalf of the customer. WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 of Measurement Standards of the California Business and Professions Code, administered by the Division Tender The undersigned individual signing this document on behalf of the customer. CMANN OCHICAL MARCHAR STR. CMANN INTO DESCRIPTION RATE EXTENSION TAX TO NET AND NET AND NET AND ON TO STANDARD TO STAN | Livermore, CA 925-447-0491 O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TO 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recopnized authority of accurace, as prescribed by Chapter 7 (commencing with Section 1270) of Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | Livermore, CA 925-447-0491 O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND THE WEIGHT AND TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | ti . | Vasco Road Lanc 4001 N Vasco F | | 01 | et# 933686 | CELL | |
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| TOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT , 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TY. UNIT DESCRIPTION RATE EXTENSION TAX TO 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 2700) of Division of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | DATE/INITION OF THE CONTRICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division of Measurement Standards of the California Department of Food & Agriculture. PAREMINEN 11 - 09 - 2013 7 : 54 am | DATE/TIME IN DATE/TIME OUT 11_09=2013 7:54 am CONTAINER OUT 11_09= | Liver | | | WEIGHMASTE | 3 | | |
| O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT - 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TY. UNIT DESCRIPTION RATE EXTENSION TAX TO 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division of of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TO UNIT DESCRIPTION RATE EXTENSION TAX TO O.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodify was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | O21591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND T. UNIT DESCRIPTION RATE EXTENSION TAX TOU O.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodify was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHANG CHECK | | 110107 011 | 72.5-447-0491 | DATE MORA | | DATE/TIME OUT | |
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| SANTA ANA, CA 92704 38501317457 GROSS WEIGHT , 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TY. UNIT DESCRIPTION RATE EXTENSION TAX TO 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned Individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TY. UNIT DESCRIPTION RATE EXTENSION TAX TO 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 6 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Dusiness and Professions Code, administered by the Division of Measurement Standards of the California Dusiness and Professions Code, administered by the Division of Measurement of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | SANTA ANA, CA 92704 38501317457 GROSS WEIGHT 74,420 NET TONS 17.13 TARE WEIGHT 40,160 NET WEIGHT 34,260 INBOUND TO. UNIT DESCRIPTION RATE EXTENSION TAX TON 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN WEIGHMASTER CERTIFICATE - This is to certify that the following described commodify was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Described Commodify was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture. The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHECK | INNOVATIVE CO | ONSTRUCTION SOLUT | IONS | VEHICLE | -010 7.51 di | CONTAINER | 0.50 |
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| on the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHEC | on the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHECK | on the reverse side and that he or she has the authority to sign this document on behalf of the customer. CHECK | o. Mododrement Otalik | sards of the California Departmen | nt of Food & Agriculture. | | | | TENDERI |
| 0.004 | | 0.004 | The undersigned indiv on the reverse side an | ridual signing this document on be and that he or she has the authority | half of Customer acknowledge to sign this document on beha | es that he or she has read and u alf of the customer. | | conditions | CHANG |
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1319703

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

Bin # 2777

| I. GENERATOR (Gener a. Generator's US EPA ID Number N/A | | b. Manifest Docur | | | c. Page | 1 of 🥠 | |
|--|---|---|--|--|---------------------|--|-------------------|
| d. Generator's Name and Location: Ready Family Partnership, I 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94568 | LP 415-388-4460 | | (55 F | i Address: y Family Partr tedwood Hwy alley, CA 949 | , Suite 177 | | |
| If owner of the generating facility differs | s from the generator, p | provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile# | k. Exp. Date | | oping Name and | | ntainers | n. Total Quantity | o. Unit Wt/Vol |
| | | Description | | No. | Type | Quantity | 1/ |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | I-Sm3 |
| B | ** | | | | | | |
| Ċ. | | | | | | | |
| GENERATOR'S CERTIFICATION: I he state law, has been properly described waste is a treatment residue of a previous been treated in accordance with the re- | classified and packagously restricted hazard | ged, and is in prop lous waste subject | er condition for transpor t to the Land Disposal Ri | tation accordir estrictions. I ce | ng to applice | cable regulations varrant that the | s; AND, if this |
| KIM GONTHI | EK. | ROOM | ther . | | 1 | 19-1 | 3 |
| . Generator Authorized Agent Name (| (Drint) | <u> </u> | AN AND A RESTRICT | | | for the control of th | |
| | AND A SECURE OF THE SECURE OF | Signaturé) | | | r. Date | | |
| II TRANSPORTER (Gal | nerator completes | lla_b and Tran | nsporter completes | Ilc-e). | | | |
| I TRANSPORTER (Gal | nerator completes | lla_b and Tran | nsporter completes 150 = 40 +1 101, Sout | Ilc-e). NY IN KILA | | IP1319. | |
| II. TRANSPORTER (Gela. Transporter's Name and Address: b. Phone: 707 5 78 - 6 | nerator completes | Silla-b and Tran | nsporter completes | en, In a Kirk | | IP1319 | |
| II. TRANSPORTER (Gel a. Transporter's Name and Address: b. Phone: 747 5 78 - 6 c. Driver Name (Print) | nerator completes THEINS 0960 | Ila-b and Tran | ispostati Ni, Saut | e. Date | | IP1319 | |
| I. TRANSPORTER (Gel a. Transporter's Name and Address: b. Phone: 7/7 5 78 - 0 b. Driver Name (Print) II. DESTINATION (Gene a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | nerator completes T + L V y 0 9 6 0 d. Signate rator complete Illa | ture c. US EPA Num | ation Site completes | e. Date s Illd-g) | e: Vozf | , <i>II</i> - | |
| I. TRANSPORTER (Get a. Transporter's Name and Address: b. Phone: 707 5 78 - 0 c. Driver Name (Print) II. DESTINATION (Gene a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 hereby certify that the above named n | nerator completes T + L V y 0 9 6 0 d. Signate rator complete Illa | ture c. US EPA Num | ation Site completes | e. Date s Illd-g) | e: Vozf | , <i>II</i> - | |
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| II. TRANSPORTER (Geral Disposal Facility and Site Address: D. Driver Name (Print) III. DESTINATION (General Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 hereby certify that the above named in the property of the propert | d. Signaterial has been acceed f. Signature. | ture c. US EPA Num c. US EPA Num epted and to the beaute | ation Site completes ther d. Discrepancy Ir the dis | e. Date s Illd-g) ndication Space foregoing is tr g. Date | e: US (| , <i>II</i> - | |
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| II. TRANSPORTER (Geral And Address: a. Transporter's Name and Address: b. Phone: 7/7 578 - 6 c. Driver Name (Print) III. DESTINATION (General Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94561 b. Phone: A SBESTOS (Generator Address: Vasco Rd. Agent (Print) V. ASBESTOS (Generator Address: | d. Signate rator completes 925-447-0491 material has been acce f. Signaturor completes IVa-full distributions Information: | ture a-c and Destina c. US EPA Num epted and to the beaure f and Operator | ation Site completes the d. Discrepancy Ir Complete IVg-i) c. Responsible Agency d. Phone: | e. Date s Illd-g) Idication Space foregoing is tr g. Date Name and Acceptable | e: USU rue and acc | curate. | 9/3 |
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| Vasco Road Landfill 4001 N Vasco Road Livermore, CA 925-447-0491 CUSTOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 | | TIME 864 ANER 013 10:23 du INVOICE |
|--|---|--|
| TARE METCHE | ET TONS 17.63 WEIGHT 35,260 | INBOUND |
| 0.00 YD TRACKING QTY 17.63 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | RATE EXTENSION | TAX TOTAL |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was by a weighmaster, whose signature is on this certificate, who is a recognized authority of accur (commencing with Section 12700) of Division 5 of the California Business and Professions Coof Measurement Standards of the California Department of Food & Agriculture. | | NET AMOUNT TENDERED |
| The undersigned individual signing this document on behalf of Customer acknowledges that he con the reverse side and that he or she has the authority to sign this document on behalf of the cu | or she has read and understands the terms and conditions estomer. | CHANGE |
| RS-F042UPR (07/12) 2/21 SIGNATURE | \ . | CHECK# |
| | | 3 |



1319702

If waste is asbestos waste, complete Sections I, II, $\dot{I}II$ and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

B12 PT 2491

| I. GENERATOR (Generator's US EPA ID Number | |) . Manifest Docui | ment Number | | c. Page | 1 of / | | | |
|---|--|--|--|--|------------------------------|---------------------------------------|---------------------------------|--|--|
| NA | | | | | | 1 | | | |
| d. Generator's Name and Location: Ready Family Partnership 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | , LP 416-388-4460 | | esti Re | Address: Family Partr Idwood Hwy Iley, CA 949 | Suite 177 | 415-388-4480 | | | |
| If owner of the generating facility diffe | ers from the generator, pr | ovide: | g. r none; | | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | oping Name and | m. Co No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol | | |
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| GENERATOR'S CERTIFICATION: I state law, has been properly describe waste is a treatment residue of a prebeen treated in accordance with the I | ed, classified and package viously restricted hazardo | ed, and is in prop us waste subject | per condition for transporta to the Land Disposal Re- ger a hazardous waste as | ation accordir strictions. I ce | ng to applic ertify and w | able regulations arrant that the v | s; AND, if this | | |
| p. Generator Authorized Agent Name | (CR) a S | ignature (A) | nimec_ | | r. Date | | | | |
| II. TRANSPORTER (G | | <u> </u> | nsporter completes I | lc-e) | i i. Date | | | | |
| a. Transporter's Name and Address: b. Phone: 707 5 7 | INCINS. 3250 D 8-0960 | alton A | e portation | ROLA, | CAN | P1319 | | | |
| Ron DIA Wed |) ∠ ∵ d. Signatu | re (Ca) | 1 Brown | e. Date | 11- | 9-1 | 5 | | |
| III. DESTINATION (Gen | | c and Destina | ation Site completes | IIId-g) | | | | | |
| Disposal Facility and Site Address: Vasco Rd. Lendhil 4001 N. Vasco Rd. Livermore, CA 94551 b. | 925-447-0491 | c. US EPA Nun | | | | | | | |
| I hereby certify that the above named | | ted and to the b | est of my knowledge the f | oregoing is tr | ue and acc | urate. | | | |
| | | | <i>(1116</i> 2) | | 1/- 6 | <u>1-13</u> | | | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Genera | f. Signatur | A STATE OF THE STA | | g. Date | | | | | |
| IV. ASBESTOS (Genera a. Operator's Name and Address: | nor completes (va-i a | and Operator | c. Responsible Agency I | Name and Ac | ldress: | | | | |
| b. Phone: | | | d. Phone: | | | | | | |
| e. Special Handling Instructions and a | Additional Information: | | | | | | | | |
| OPERATOR'S CERTIFICATION: I he and are classified, packaged, marked | Both % Friab ereby declare that the con I and labeled/placarded, a | tents of this cons | % Non-Friable signment are fully and according in proper condition f | curately described from transport a | ribed above | by the proper applicable inte | shipping name ernational and | | |
| national governmental regulations. | | | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signatu | re | | i. Date | | | | | |
| *Operator refers to the company whic | h owns, leases, operates, | , controls, or sup | ervises the facility being o | | renovated | , or the demoliti | ion or | | |

| ΓE | | Vasco Road Lar 4001 N Vasco ivermore, CA | | | SITE TICKE 01 WEIGHMASTER | 933723 | CELL | edroza | |
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| | 91 VATIV | /E CONSTRUCTION SOLU | | | DATE/TIME IN 11-09-2 VEHICLE INT725 | 2013 11: | 40 am 11- | -9-2013 | 12:21 pm |
| SANT | | A, CA 92704 | | | REFERENCE WP13191 BILL OF LADING | | | IN | VOICE |
| | | GROSS WEI TARE WEI | • | | TONS WEIGHT | INBOUND | | | |
| <u>оту.</u> 0.00 17.59 | TN | TRACKING QTY SW-CONT SOIL-ALT I | | | | | | | |
| by a (cor of N | a weighma mmencing Measurem | TER CERTIFICATE - This is to certify aster, whose signature is on this certify with Section 12700) of Division 5 of the California Depart | cate, who is a recognize ne California Business a ment of Food & Agricult | ed authority of accurace and Professions Code ture. | ce, as prescribed e, administered by | by Chapter 7 y the Division | | | TENDERED CHANGE |
| Th or | ne undersi | gned individual signing this document of se side and that he or she has the autho 2/21 | n behalf of Customer ack lity to sign this document | t on behalf of the custo | omer. | | erms and conditions | | CHECK# |
| RS-F042U | PR (07/1: | | | SIGNATURE | | | | | |



1319706

If waste is asbestos waste, complete Sections I, II, III and IV If waste is NOT asbestos waste, complete Sections I, II and III

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| | | | | | | | | | | | 5.7 | | | | | |

GENERATOR (Generator completes la-r) a. Generator's US EPA ID Number b. Manifest Document Number c. Page 1 of NVA d. Generator's Name and Location: Ready Family Partnership, LP e. Generator's Mailing Address: Ready Family Partnership, LP 7102 & 7104 Dublin Rd 655 Redwood Hwy, Suite 177 Dublin, CA 94569 415-369-4460 Mill Valley, CA 94941 415-388-4460 g. Phone: If owner of the generating facility differs from the generator, provide: h. Owner's Name: i. Owner's Phone No.: j. Waste Profile # k. Exp. Date I. Waste Shipping Name and m. Containers n. Total o. Unit Description No. Type Quantity Wt/Vol 001 38501317457 4/30/2014 Soil B C GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261. p. Generator Authorized Agent Name (Print) q. Signature r. Date TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e) a. Transporter's Name and Address: d. Signature e. Date III. DESTINATION (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Vasco Rd. Landfill c. US EPA Number d. Discrepancy Indication Space: 4001 N. Vasco Rd. Livermore, CA 94551 925-447-049 pertify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate I hereby e. Name of Authorized Agent (Print) f. Signature g. Date IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: d. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. g. Operator's Name and Title (Print) ∮h. Signature i. Date *Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

| Vasco Road Landfill 4001 N Vasco Road | SITE TICKET 01 WEIGHMASTER | r# 933755 | CELL | | | |
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| Livermore, CA 925-447-0491 | C. MORA DATE/TIME IN | | DATE/TI | ME OUT | | |
| STOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS | 11-09-2 VEHICLE INT725 | 1013 3: | | 11-9-2013 4:09 CONTAINER | | |
| 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 | REFERENCE WP13191 BILL OF LADING | IN | INVOICE | | | |
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| QTY. UNIT DESCRIPTION | | RATE | EXTENSION | TAX | TOTAL | |
| 0.00 YE TRACKING QTY 17.17 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | | | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity by a weighmaster, whose signature is on this certificate, who is a recognized authority of ac (commencing with Section 12700) of Division 5 of the California Business and Professions of Measurement Standards of the California Department of Food & Agriculture. | ccurace, as prescribed I | by Chapter 7 | | | NET AMOUNT TENDERED | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he on the reverse side and that he or she has the authority to sign this document on behalf of the | e or she has read and u | nderstands the te | rms and conditions | | CHANGE | |
| on the reverse side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and that he of site has the authority to sign this document of the side and the side | | | | | CHECK# | |
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1319707

If waste is aspestos waste, complete Sections I, II, III and IV If waste is NOT aspestos waste, complete Sections I, II and III

| GENERATOR (Generate | or completes I | a-r) | | | | | | | | | |
|---|--|--|--|---|----------------------------|--|-------------------------------|--|--|--|--|
| a. Generator's US EPA ID Number N/A | | b. Manifest Docur | ment Number | | c, Page | c. Page 1 of | | | | | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: | 415-388-446 | | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 416-388-4460 | | | | | | | | |
| If owner of the generating facility differs fr | om the generator, | , provide: | | | | | | | | | |
| h. Owner's Name: | T | ************************************** | i. Owner's Phone No.: | | | | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | oping Name and | m. Cor No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol | | | | |
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| 8. | · Es | | | | | | | | | | |
| C | | | | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | lassified and packa sly restricted hazar | aged, and is in prop rdous waste subject | per condition for tra t to the Land Dispo | insportation accordir sal Restrictions. I ce | ng to applice | cable regulations; varrant that the w | ; AND, if this | | | | |
| NIM AUNITIES | - | <i>[\bigcircle \chi(t)</i>] | rtuer | | | | | | | | |
| p. Generator Authorized Agent Name (Pri II. TRANSPORTER (Gene | references and company and a second company of the | լ.Signature (_) es`lla≛b and Tran | nepoder compl | otoc IIc_a) | r. Date | | | | | | |
| ia. Transporter's Name and Address: | Tidorounipion | 15 Ha-D and Trans | ISPURE COMP | In Inc | | 15-111 | <i>t</i> | | | | |
| b. Phone: 707-578 - 0 | 3250 B | Julto- Ave | د ه ک | tion Inc Ida Koso, | CA | WP1319 | ·/ | | | | |
| b. Phone: 707-578-0 RONBIANCO c. Driver Name (Print) | d. Sign | ion B | (か)へへ | e. Date | 7/: | -76-1 | 3 | | | | |
| III. DESTINATION (General | Dental college with the restriction of the college | ACCOMPANIES OF THE CONTRACT OF | ation Site comr | | | | | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livernore, CA 94551 | 925-447-049 | c. US EPA Num | nber d. Discrepa | ncy Indication Space | | | | | | | |
| Thereby certify that the above named mat | enal has been acc | 3epted and to the be | SSI OF Thy KHOWIEUC | Je tne foregoniy is u | ue and acc | purate. | | | | | |
| e. Name of Authorized Agent (Print) | f. Signa | ature - | g. Date | | | | | | | | |
| IV. ASBESTOS (Generator | contact access to a construent of the contact of th | Cultural Medical Communication | complete IVg-i | | No. | | | | | | |
| a. Operator's Name and Address: | * | | | gency Name and Ad | ldress: | | | | | | |
| | | | 44 | | | | | | | | |
| b. Phone: | | | d. Phone: | | | | | | | | |
| e. Special Handling Instructions and Addit | lional Information: | <u> </u> | а. клоне: | · · | | | | | | | |
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| f. Friable Non-Friable Both | | riable | % Non-Friable | | Sie : | | | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the o | ontents of this cons d, and are in all resp | signment are fully a pects in proper con | and accurately describition for transport a | ibed above according to | by the proper so applicable inter | hipping/name rnational and | | | | |
| | | | | | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signa | | 9 9 5 100 | i. Date | | | | | | | |
| *Operator refers to the company which ow renovation operation or both | ins, leases, operar | tes, controls, or supe | ervises the racility | being demolished of | renovated | , or the demolitic | n or | | | | |

| SITE | x- | Vasco Road Landfil 4001 N Vasco Road | | SITE 01 | TICKET # 93477 MASTER | 3 CEL | .L | |
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| WEIG | HMASTE | ER CERTIFICATE - This is to certify that the following | owing described common | tity was weighed, me | asured or counted | | | NET AMOUNT |
| by a w | reighmas | ter, whose signature is on this certificate, who is with Section 12700) of Division 5 of the Californi | s a recognized authority of | f accurace, as presci | ribed by Chapter 7 | | | |
| of Mea | asuremer | nt Standards of the California Department of Foo | a Business and Profession of & Agriculture. | ons Code, administer | ed by the Division | | - | TENDERED |
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| | | ned individual signing this document on behalf of se side and that he or she has the authority to sign | | | d and understands the | ne terms and conditior | ıs | |
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1319705

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

BIN \$3126

| I. GENERATOR (Generat | or completes I | a-r) | | | | | |
|--|--|--|--|---|---------------------------|---|--------------------------------|
| a. Generator's US EPA ID Number WA | | b. Manifest Docui | ment Number | | c. Page | 1 of / | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: |) 415-388-44(| 60 | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 415-388-4460 | | | | |
| If owner of the generating facility differs for | rom the generator, | , provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | oping Name and | m. Co No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | Tofie |
| В | 7ts | | | | | | |
| c / | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requi | classified and packa sly restricted hazar | aged, and is in prop rdous waste subject | per condition for transpo t to the Land Disposal F | ortation accordir Restrictions. I ce | ng to applice | cable regulations varrant that the w | : AND, if this |
| KIM! GONTHIER | 2 | 1.7 | ther: | | 7 | 1-9-13 | 3 |
| p. Generator Authorized Agent Name (Pri | int) q | /_ <i>\C\rU</i> μ. Signature∕ \ | 1 pro- | | r. Date | | |
| II. TRÂNSPORTER (Gene | ARTHORN AND DESCRIPTION OF THE PROPERTY OF THE | rock, the contract was a short on a way of the contract of | nsporter completes | s IIc-e) | | | |
| a. Transporter's Name and Address: | INVKINA | U) TRA | 12500RY-04, | 14.01 FW. | | | |
| | 3250 B | Sultan A | U/J SONK | 1 ROLL | A | 1 | |
| b. Phone: 707-578-0 | 960 | | | | 1 W | 181319 | 7/ |
| c. Driver Name (Print) | O d. Signa | Lon De | $\begin{array}{c c} \hline & & 11-9-13 \\ \hline & & \text{e. Date} \\ \hline \end{array}$ | | | | 3 |
| III. DESTINATION (General | | | ation Site complete | | | | |
| a, Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | 925-447-049 | c. US EPA Num 計 | nber d. Discrepancy I | Indication Space | | | |
| I hereby certify that the above named mat | erial has been acc | cepted and to the be | est of my knowledge the | e foregoing is tr | ue and acc | curate. | |
| ('ar10) 1/10/A | <u>/ </u> | | 71/12/ | | 1-4 | <u>-/3_</u> | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator | f. Signal | THE STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY. | | g. Date | | | |
| IV. ASBESTOS (Generator A. Operator's Name and Address: | Completes iva- | -т апа Орегаюі | | N | | | |
| d. Operators name and Address. | | | c. Responsible Agenc | y iname and Ad | dress: | | |
| V | | | | | | | |
| b. Phone: | | | d. Phone: | | | | |
| e. Special Handling Instructions and Addit | ional Information: | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both | % Fri | riahle | % Non-Friable | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the c | contents of this cons | signment are fully and a | occurately descr n for transport a | ibed above ccording to | e by the proper s o applicable inter | shipping name rnational and |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signa | ature | | i. Date | | | |
| *Operator refers to the company which ow renovation operation or both | ns, leases, operate | es, controls, or supe | ervises the facility being | g demolished or | renovated | I, or the demolitic | on or |

| | o Road Landfill 1 N Vasco Road | | SITE 1 TICKI | eT# 933739 | CELL | | | |
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| Livermore, | | 0491 | WEIGHMASTER | 1 | UT - M. Pe | droza | | |
| USTOMER 021591 INNOVATIVE CONSTRUC | TION SOLUTIONS | | DATE/TIME IN 11-09-2 | 2013 1:3 | 35 pm DATE/ 11- | TIME OUT -9-2013 | 2:04 pm | |
| 4011 W CHANDLER AVE SANTA ANA, CA 9270 | | | VEHICLE IN 1725 REFERENCE LIC# WP13191 | | | | | |
| 38501317457 | | | BILL OF LADIN | G | | | | |
| | | | T TONS WEIGHT | 15.32 30,640 | | INBOUND | | |
| WEIGHMASTER CERTIFICATE - | DESCRIPTION QTY OIL-ALT DAILY COVE This is to certify that the following delers on this certificate, who is a recognition of the control of the certificate of the | DUBLIN | | | EXTENSION | TAX | TOTAL . | |
| (commencing with Section 12700) | of Division 5 of the California Busine California Department of Food & Agr | ess and Professions Code, | administered by | the Division | | | TENDERED | |
| | g this document on behalf of Custome she has the authority to sign this docu | | | inderstands the ter | rms and conditions | | CHANGE | |
| RS-F042UPR (07/12) | | SIGNATURE | | | | | CHECK# | |
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1319704

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

Bin # PT3439

| I. GENERATOR (Generate | or comp | letes la | -r) | | | | | | | |
|---|--------------------------------|-----------------------------|--|---|-----------------------------------|----------------------------|---------------------------------------|--------------------------------|--|--|
| a. Generator's US EPA ID Number N/A | | | b. Manifest Docun | nent Number | | c. Page | 1 of / | | | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | 416 | 388-4460 | • | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suita 177 g. Phone: Mill Valley, CA 94941 415-386-4460 | | | | | | |
| If owner of the generating facility differs fr | om the ge | nerator, _l | provide: | | | | | | | |
| h. Owner's Name: | | | | i. Owner's Phone No.: | | | | | | |
| j. Waste Profile # | k. Exp. I | Date | | ping Name and | | ntainers | n. Total | o. Unit Wt/Vol | | |
| | | | Description | | No. | Туре | Quantity | 1/ | | |
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| В | | | | | | | | | | |
| | | | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | assified a ly restricte | nd packa ed hazard | ged, and is in prop lous waste subject | er condition for transport to the Land Disposal Re | ation accordin | g to applic rtify and w | able regulations arrant that the v | ; AND, if this | | |
| KIM GONTHIE | = 0 | | 4(21) | ther. | | Jan 71 | ~ Q~1" | 3 | | |
| p. Generator Authorized Agent Name (Pri | nt) | a. | Signature \ | | | r. Date | | | | |
| II. TRANSPORTER (Gene | CONTRACTOR CARRIES | Station residence parelling | to entertain a mission and the same and the same and | sporter completes | llc-e) | | | | | |
| a. Transporter's Name and Address: b. Phone: 707- 578-0 | 1216 150 1 160 | ins Duff | je tran | Sputa, | LOSA, | C-1 | WPI | 3191 | | |
| RONDIANCO | | N | on Bu | 25 Sa | 1.1 | 1-9 | <u>=13</u> | | | |
| c. Driver Name (Print) III. DESTINATION (General | or com | d. Signa | Control of the control to the control of the control of | tion Site completes | e. Date | 9 9 9 9 | | | | |
| | ur com | nete ilic | c. US EPA Num | Agustaeg Intrasprent - Heliotele Estatus - L | |) : | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | 925- | 447-0491 | | 100 | | | | | | |
| b. I hereby certify that the above named mat | | | | st of my knowledge the | foregoing is tr | ue and acc | urate | | | |
| e. Name of Authorized Agent (Print) | | f. Signati | | /////B) | | //- | 9-/3 | | | |
| IV. ASBESTOS (Generator | BAYS DOZINA DATAMENTALISM | SUPER-CONTRACTOR | Charles and Mayor was the part of the first first and the contract | complete IVa-i) | g. Date | | | | | |
| a. Operator's Name and Address: | | - ' ' X | | c. Responsible Agency | Name and Ad | dress: | | | | |
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| b. Phone: | | | | d. Phone: | | | | | | |
| e. Special Handling Instructions and Addit | ional Infor | mation: | | | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both | acolonia Nede <u>ele</u> le | % Fria | | % Non-Friable | | | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare ti labeled/p | hat the co lacarded, | ontents of this cons , and are in all resp | ignment are fully and ac ects in proper condition | curately descr for transport a | ibed above ccording to | by the proper so applicable inte | shipping name rnational and | | |
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| g. Operator's Name and Title (Print) | | h. Signa | ture | | i. Date | | | | | |
| *Operator refers to the company which ow renovation operation or both | ns, leases | s, operate | es, controls, or supe | ervises the facility being | demolished or | renovated | , or the demoliti | on or | | |

| E. | | | | 13 | | |
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| Vasco Road Landfill | 1 1 1 | (ET # | CELL | | | |
| 4001 N Vasco Road | 01 WEIGHMASTE | 933686 R | L | | | |
| Livermore, CA 925-447-0491 | C MORA | | | | | |
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| SANTA ANA, CA 92704 | WP13193 | | | INVOICE , | | |
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| GROSS WEIGHT , 74,420 | NET TONS | 17.13 | , | | | |
| TARE WEIGHT 40,160 | NET WEIGHT | 27,120 | | | | |
| QTY. UNIT DESCRIPTION | NOT WITGHT | RATE | INBOU TAX | TOTAL | | |
| 0.00 YD TRACKING QTY | | | | | | |
| 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLI | IN | | | | | |
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| WEIGHMASTER CERTIFICATE - This is to certify that the following described co | ommodity was weighed, measure | ed, or counted | | NET AMOUNT | | |
| by a weighmaster, whose signature is on this certificate, who is a recognized authorized (commencing with Section 12700) of Division 5 of the California Business and Proof Measurement Standards of the California Business | ority of accurace, as prescribed by Difessions Code, administered by | by Chapter 7 the Division | | | | |
| of Measurement Standards of the California Department of Food & Agriculture. | , | | | TENDERED | | |
| The undersigned individual signing this document on behalf of Customer acknowled | iges that he or she has read and | understands the ten | ms and conditions | CHANGE | | |
| on the reverse side and that he or she has the authority to sign this document on bel | half of the customer. | | ъ. | CHECK# | | |
| RS-F042UPR (07/12) 2/21 | SIGNATURE | | | U 1 | | |
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1319703

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

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| a. GENERATOR (Gen a. Generator's US EPA ID Number N/A | | r) b. Manifest Docur | nent Number | | c. Page 1 of | | | | |
|--|---|---|--|---------------------------------------|--------------------------|--|-------------------------------|--|--|
| d. Generator's Name and Location: Ready Family Partnership 7102 & 7104 Dublin Rd Dublin, CA 94568 | p, LP 415-388-4460 | | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 415-388-4460 | | | | | | |
| If owner of the generating facility diff | lers from the generator, pr | rovide: | | | | | | | |
| h. Owner's Name: | | | i. Owner's Phone N | | | | | | |
| j. Waste Profile# | k. Exp. Date | I. Waste Ship Description | pping Name and | m. Co No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol | | |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | I Lans | | |
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| C. | | | | | | | | | |
| GENERATOR'S CERTIFICATION: state law, has been properly describ waste is a treatment residue of a prebeen treated in accordance with the | ed, classified and package eviously restricted hazardo | ed, and is in propous waste subject 268 and is no long | er condition for transp to the Land Disposal | ortation according Restrictions. I co | ng to applicertify and v | cable regulations warrant that the | s; AND, if this | | |
| p. Generator Authorized Agent Nam | DP / G S | Signaturé \ | 1 vueri | | r. Date | 1 1 5 | - | | |
| II TRANSPORTER (C | Senerator completes | lla-h and Tran | seporter complete | د اادے) | | | | | |
| a. Transporter's Name and Address: b. Phone: 707 5 78 | 0960 E | Suddon A | No, Spi | Li King | y CX | 1 1P1319 | | | |
| c. Driver Name (Print) | d. Signatu | ire | | e. Date | | | | | |
| III. DESTINATION (Ger | | | ation Site complet | | | | | | |
| a. Disposal Facility and Site Address Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | s: 925-447-0491 | c. US EPA Num | nber d. Discrepancy | Indication Space | * in a part | 1 11 | 9-13 | | |
| I hereby certify that the above name | d material has been accep | pted and to the be | est of my knowledge ti | ne foregoing is to | rue and ac | curate. | | | |
| - MONDIANCO | 11/4 | 7N1 / S-LEV | 7 ~ | 11- | · 4-, | <u> 15 </u> | | | |
| e. Name of Authorized Agent (Print) | f. Signatur | | | g. Date | | | | | |
| IV. ASBESTOS (Genera | ator completes IVa-T | and Operator | | | | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agen | cy Name and Ad | ldress: | | | | |
| b. Phone: e. Special Handling Instructions and | Additional Information: | | d. Phone: | | | | | | |
| f. Friable Non-Friable OPERATOR'S CERTIFICATION: I hand are classified, packaged, marke national governmental regulations. | ereby declare that the con | ntents of this cons | % Non-Friable signment are fully and pects in proper condition | accurately desc on for transport | ribed abov according | e by the proper to applicable inte | shipping nar ernational ar | | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signatu | ıre | | i. Date | | | | | |
| *Operator refers to the company whi renovation operation or both | ch owns, leases, operates | s, controls, or sup | ervises the facility bein | ng demolished o | r renovate | d, or the demolit | ion or | | |

| Livermore, CA 925-447-0491 DATE OF THE PROPERTY OF THE PROPER | HCLE 9-201 PET 725 | | 1 | 3 10:23 án | | |
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| | 11 00 0010 0 17 | | | | | |
| GROSS WEIGHT 75,360 NET TON TARE WEIGHT 40,100 NET WEIG | | 17.63 35,260 | INBOU | ND | | |
| O.00 YD TRACKING QTY 17.63 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | | RATE | NSION TAX | INVOICE ND TOTAL | | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prediction (commencing with Section 12700) of Division 5 of the California Business and Professions Code, adminity of Measurement Standards of the California Department of Food & Agriculture. | and a street of the same | | | NET AMOUNT | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he or she has on the reverse side and that he or she has the authority to sign this document on behalf of the customer. | s read and under | stands the terms and | conditions . | CHANGE CHECK# | | |
| RS-F042UPR (07/12) 2/21 SIGNATURE | ************************************** | | | | | |



1319702

If waste is asbestos waste, complete Sections I, II, $\overline{\text{III}}$ and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

BIN PT2491

| I. GENERATOR (Generator's US EPA ID Number | | r) o. Manifest Docui | ment Number | | c. Page | 1 of / | | | |
|--|--|--|--|--|---------------------------------------|---|-------------------|--|--|
| N/A d. Generator's Name and Location: Ready Family Partnership 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | ,LP 416-388-4460 | | 655 R | Address: Family Partr edwood Hwy, alley, CA 946 | Suite 177 | | 9 | | |
| If owner of the generating facility diffe | ers from the generator, pr | ovide: | | | | | | | |
| h. Owner's Name: | 4 | | i. Owner's Phone No.: | | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship | pping Name and | m. Coi No. | ntainers | n. Total Quantity | o. Unit Wt/Vol | | |
| | | Description | | INU. | Туре | Quartity | 1/ | | |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | 14.5 | | |
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| C | | | 하는 경기 가입니다. 그렇게 일하는 경기 하는 것 같습니다. | | | | | | |
| GENERATOR'S CERTIFICATION: I | l hereby certify that the ab | l ove named mate | erial is not a hazardous w | /aste as define | d by 40 Cl | FR 261 or any | applicable | | |
| state law, has been properly describe | d, classified and package | ed, and is in prop | er condition for transpor | tation accordir | ng to applic | able regulation | ns; AND, if this | | |
| waste is a treatment residue of a previous been treated in accordance with the r | | | | | | | waste nas | | |
| KIM GONTH | ITER | KO | nthier | | 11 | . <i>D</i> 1 | 13 | | |
| p. Generator Authorized Agent Name | (Print) a S | /_^_ <i>X(./</i> ignature (√) | ruibuec | | r. Date | ' (| | | |
| II. TRANSPORTER (G | control residence and a superior control of the con | Machine Control of the Control of th | nsporter completes | lic-e) | 1 2 2 3 3 | | | | |
| a. Transporter's Name and Address: | INCH! | With the second | \$ 100 miles 100 |) | | | | | |
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| c. Driver Name (Print) | ਾਂ d. Signatu | AND THE RESERVE OF THE PARTY OF THE PARTY. | | e. Date | | | | | |
| III. DESTINATION (Gen | provide to come on a register of a series with a contract and the | the facilities of the contract of the contract of | | | | | | | |
| a. Disposal Facility and Site Address: Vasco Hd. Landili | | c. US EPA Nun | nber d. Discrepancy In | idication Spac | e: | | | | |
| 4001 N. Vasco Rd. | | | | | | | | | |
| b. Livermore, CA 94561 | 925-447-0491 | | | | | | | | |
| I hereby dertify that the above named | material has been accep | oted and to the b | est of my knowledge the | foregoing is tr | ue and acc | curate. | | | |
| l'arlos Mi | 1/10/ | 12 | | | 11- 6 | ターノス | | | |
| e. Name of Authorized Agent (Print) | f. Signatur | е | | g. Date | | | | | |
| IV. ASBESTOS (Genera | tor completes IVa-f | and Operator | complete IVg-i) | | | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agency | Name and Ad | ldress: | | | | |
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| b. Phone: e. Special Handling Instructions and A | Additional Information: | 58 50 30 50 50 50 50 50 50 50 50 50 50 50 50 50 | d. Phone: | | | | | | |
| 3 | | | | | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ E | Both % Friab | la. | % Non-Friable | | | | | | |
| OPERATOR'S CERTIFICATION: I he and are classified, packaged, marked national governmental regulations. | reby declare that the con | tents of this cons | signment are fully and ac | | | | | | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signatu | | | i. Date | | | | | |
| *Operator refers to the company whic | | | ervises the facility being | demolished or | renovated | l, or the demoli | tion or | | |

| Vasco Road Landfill 4001 N Vasco Road Livermore, CA 925-447-0491 JSTOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 38501317457 | SITE TICKET 01 WEIGHMASTER IN - C. DATE/TIME IN 11-09-2 VEHICLE INT725 REFERENCE WP13191 BILL OF LADING | 933723 MORA OL 013 11:4 | CELL IT - M Ped DATE/TIM O am 11-9 CONTAIN | -2013 12:21 pm |
|--|---|-------------------------------|--|----------------|
| GROSS WEIGHT 75,180 TARE WEIGHT 40,000 | NET TONS NET WEIGHT | 17.59 35,180 | 3 | INBOUND |
| QTY. UNIT DESCRIPTION | | RATE | EXTENSION | TAX TOTAL |
| 17.59 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described common by a weighmaster, whose signature is on this certificate, who is a recognized authority (commencing with Section 12700) of Division 5 of the California Business and Profest of Measurement Standards of the California Department of Food & Agriculture. | y of accurace, as prescribed b | by Chapter 7 | | NET AMOUNT |
| The undersigned individual signing this document on behalf of Customer acknowledges on the reverse side and that he or she has the authority to sign this document on behalf | that he or she has read and us | nderstands the te | rms and conditions | CHANGE |
| 2/21 | NATURE | | * | CHECK# |
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1319706

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\rm \underline{NOT}}$ asbestos waste, complete Sections I, II and III

Bin # 202

| I. GENERATOR (Generator | completes la | a-r) | | | | | | |
|--|--|--|---|---|------------------|--------------------------------------|--------------------------------|--|
| a. Generator's US EPA ID Number | | b. Manifest Docui | nent Number | | c. Page | 1 of / | | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd Dublin, CA 94566 f. Phone: | 415-368-446 |))0 | Redwood Hwy, | Address: Family Partnership, LP sdwood Hwy, Suite 177 alley, CA 94941 415-388-4460 | | | | |
| If owner of the generating facility differs from | n the generator, | provide: | g. Phone: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No | | | | | |
| j. Waste Profile # | k. Exp. Date | Naste Shipping Name and Description | | | m. Containers | | o. Unit | |
| | | Description | | No. | гуре | Quantity | Wt/Vol. | |
| 39501317457 | 38501317457 4/30/2014 Soil | | | 001 | CM | 12 | Ions- | |
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| C. | | | | | | | | |
| GENERATOR'S CERTIFICATION: I hereby state law, has been properly described, clas waste is a treatment residue of a previously been treated in accordance with the requirer | sified and packa restricted hazar | aged, and is in prop dous waste subject | er condition for transpo to the Land Disposal F | ortation accordin Restrictions, I ce | g to application | cable regulations | s: AND, if this | |
| KIM GONTHIEF | 2 | Kan | Hures | | · / | 1-9-1 | 3 | |
| p. Generator Authorized Agent Name (Print) | | . Signature() | | | r. Date | | | |
| II. TRANSPORTER (Genera a. Transporter's Name and Address: | | | | | | W | 219101 | |
| b. Phone: 707-578-096 | 250 D | Putton A | sports to | i Kos | å / (| -1 | | |
| and Blowcc c. Driver Name (Print) | d. Signa | D-Can | Dian | e. Date | <u>//</u> | 7-1 | <u>}</u> | |
| III. DESTINATION (Generator | V | | ation Site complete | | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd Livermore, CA 94551 b. | 925-447-049 | c. US EPA Num | | | • | | | |
| I hereby certify that the above named materi | al has been acc | epted and to the be | st of my knowledge th | e foregoing is tr | ue and ac | curate. | | |
| Carlos Morn | | /////// | $V \neq V$ | | 11- | 9-13 | | |
| e. Name of Authorized Agent (Print) | | | | | | | | |
| | f. Signal | | | g. Date | | | | |
| IV. ASBESTOS (Generator co | | | | | | | | |
| | | | complete IVg-i) c. Responsible Agenc | | dress: | | | |
| IV. ASBESTOS (Generator co | mpletes IVa- | | | | dress: | | | |
| IV. ASBESTOS (Generator co a. Operator's Name and Address: b. Phone: e. Special Handling Instructions and Addition | mpletes IVa- | f and Operator | c. Responsible Agenc | | dress: | | | |
| IV. ASBESTOS (Generator co a. Operator's Name and Address: b. Phone: | mpletes IVa- nal Information: % Fri eclare that the c | f and Operator | c. Responsible Agenc d. Phone: % Non-Friable ignment are fully and a | y Name and Ad | ibed abov | e by the proper o | shipping nam irnational and | |
| IV. ASBESTOS (Generator co a. Operator's Name and Address: b. Phone: e. Special Handling Instructions and Addition f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby de and are classified, packaged, marked and lal | mpletes IVa- nal Information: % Fri eclare that the c | iable ontents of this cons | c. Responsible Agenc d. Phone: % Non-Friable ignment are fully and a | y Name and Ad | ibed abov | e by the proper o applicable inte | shipping nam emational and | |

| Vasco Road Landfill 4001 N Vasco Road Livermore, CA 925-447-0491 STOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE SANTA ANA, CA 92704 | SITE TICKET # | | | | | |
|---|------------------------|----------------------|------------------|----------------------|--|--|
| 38501317457 GROSS WEIGHT 72,900 NE | ET TONS | 17.17 | | | | |
| TARE WEIGHT 38,560 NET | WEIGHT | 34,340 | INB | OUND | | |
| QTY, UNIT DESCRIPTION | TA BANKARA TUR | RATE | EXTENSION TA | AX TOTAL | | |
| 17.17 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | | | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity wa by a weighmaster, whose signature is on this certificate, who is a recognized authority of accu (commencing with Section 12700) of Division 5 of the California Business and Professions Co of Measurement Standards of the California Department of Food & Agriculture. | urace, as prescribed i | by Chapter / | | NET AMOUNT TENDERED | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he o | or she has read and u | nderstands the terms | s and conditions | CHANGE | | |
| on the reverse side and that he or she has the authority to sign this document on behalf of the cu | stomer. | | 5 | CHECK# | | |
| 2/21 SIGNATURE SIGNATURE | | | | | | |
| | | | | | | |



1319707

If waste is aspestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} aspestos waste, complete Sections I, II and III

| I. GENERATOR (Gene | rator completes la | entranta e a manda de la compresión de l | · · · | | l Bar | 7 | |
|--|--|--|---|--|----------------------------|---|-------------------------------|
| NA | | b. Manifest Docu | | | c. Page | 1 of // | |
| d. Generator's Name and Location: Ready Family Partnership, 7102 & 7104 Dublin Rd f. Phone: | . LP415-388-448 | 30 | 655 | ng Address: dy Family Partn Redwood Hwy, Valley, CA 949 | Suite 177 | | |
| If owner of the generating facility diffe | rs from the generator, | provide: | 1 | | | | |
| h. Owner's Name: | | | i. Owner's Phone No | | 1 | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | pping Name and | m. Con No. | tainers Type | n. Total Quantity | o. Unit Wt/Vol |
| | | | | | 3.7 | | 17 |
| 38501317457 | 4/30/2014 | Soil | | ODF | CM | 12 | 1ems |
| 8 | | | | | | | |
| C. | | | | | | | |
| GENERATOR'S CERTIFICATION: I I state law, has been properly described waste is a treatment residue of a previous treatment accordance with the residue of a previous treatment accordance with the residue of the state of the sta | ed, classified and packa viously restricted hazar | aged, and is in prop rdous waste subjec | per condition for transport to the Land Disposal F | ortation according Restrictions. I ce | g to applic rtify and w | cable regulations varrant that the w | s; AND, if this |
| KIM FIONIHIE | K | K (00 | xtuer | • | | | |
| p. Generator Authorized Agent Name | | . Signature () | - 14 N | Control of the Contro | r. Date | 5/1 | |
| II. TRANSPORTER (Ge | enerator complete | s lla-b and I ra | nsporter completes | s llc-e) | | M.II | 1 |
| | | utto- Av. | e pontation | 1 KO10, | CA | WP1319 | 7/ |
| b. Phone: 707-578- RONBIAWCO c. Driver Name (Print) | d. Signa | VOVIIO | www | e. Date | //- | -76-1 | \$ |
| III. DESTINATION (Gene | | and the second state of the second state of the second second second second second second second second second | ation Site complete | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94561 | 925-447-049 | c. US EPA Nun | mber d. Discrepancy | Indication Space | | | |
| Thereby certify that the above named | material has been acc | epted and to the b | est of my knowledge th | ne foregoing is tru | ue and acc | purate. | |
| DAMO 1914 EX | \mathcal{A}' | <u> </u> | VIII | | 116 | 115 | |
| e. Name of Authorized Agent (Print) | f. Signat | CONTRACTOR | 700 (100 (100 (100 (100 (100 (100 (100 (| g. Date | Frig. | 1 | |
| IV. ASBESTOS (General | tor completes Iva- | -1 and Operator | ~ | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agenc | y Name and Add | dress: | | |
| b. Phone: e. Special Handling Instructions and A | Additional Information: | | d. Phone: | - 12 - 12 - 13 | | | |
| f. Friable Non-Friable E | Both % Fri | riable | % Non-Friable | | | | |
| OPERATOR'S CERTIFICATION: I her and are classified, packaged, marked national governmental regulations. | reby declare that the co | contents of this cons | signment are fully and a | accurately descri on for transport a | bed above ccording t | e by the proper so o applicable inte | shipping/nan rnational and |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signa | ature | | i. Date | | | |
| *Operator refers to the company which renovation operation or both | n owns, leases, operate | es, controls, or sup | ervises the facility bein | ig demolished or, | renovated | i, or the demolitie | on or |

| SITE | 3* | Vasco Road Landfill 4001 N Vasco Road | SITE TICK 01 WEIGHMASTE | | | | |
|-----------|------------------|--|-------------------------------|---------------------|-------------------|---------|--|
| CUSTOMER | <u>_</u> | ivermore, CA 925-447-0491 | DATE/TIME IN | | orre OU'I' | - C MOR | A |
| | 0.1 | | 1 1 | 2013 10:4 | 1 | 16-2013 | |
| 0215 | | TE CONCEDIGETON GOLUETONS | VEHICLE | <u> </u> | CONTA | NER | |
| | | E CONSTRUCTION SOLUTIONS | 1 1 | | | | |
| | | ANDLER AVE | REFERENCE | | | | |
| | | , CA 92704 | WP13191 | <u> </u> | | IN | VOICE |
| 3850 | 13174 | 157 | BILL OF LADIN | NG | | | • |
| • | | GROSS WEIGHT 74,980 | NET TONS | 17.35 | | | * |
| | | | CT WEIGHT | 34,700 | | INBOUND | |
| QTY. | UNIT | DESCRIPTION | | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | TRACKING QTY | | | | | |
| 17.35 | TN | SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | | |
| | | on controll the billing cover bobbin | | | | | |
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| WEIG | HMASTE | ER CERTIFICATE - This is to certify that the following described commodity was | s woighod massura | d or counted | | | NET AMOUNT |
| by a v | <i>r</i> eighmas | ter, whose signature is on this certificate, who is a recognized authority of accur | race, as prescribed t | by Chapter 7 | | | SCHOOLS CONTRACT CONT |
| | | with Section 12700) of Division 5 of the California Business and Professions Cou | de, administered by | the Division | | | TENDERED |
| Oi Mie | asureniei | nt Standards of the California Department of Food & Agriculture. | | | | | TENDERED |
| The | undersid | ned individual signing this document on behalf of Customer acknowledges that he | or she has read and | understands the ter | ms and conditions | | CHANGE |
| on | the revers | se side and that he or she has the authority to sign this document on behalf of the co | ustomer. | | | | CHECK# |
| RS-F042UF | יונדתו מכ | O) SIGNATURE | | | %, | | CHECK# |
| N3-F0420F | ·K (0// 12 | SIGNATURE | | | | | |
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From: (510) 782-5415 Alma Valencia ICS NORCAL 4721 Tidewater Ave Suite D Oakland, CA 94601

Origin ID: JBSA

BILL SENDER

SHIP TO: (925) 543-5512 Doug Glasco William Lyon Homes

4000 Executive Parkway, Ste 250

SAN RAMON, CA 94583



Ship Date: 02DEC13 ActWgt: 1.0 LB CAD: 7909922/INET3430

Delivery Address Bar Code



Ref# Invoice # PO# Dept#

> WED - 04 DEC AA ** 2DAY **

TRK# 0201 7972 9204 7165

SB NGZA

94583 CA-US OAK



After printing this label:

- 1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
- 2. Fold the printed page along the horizontal line.
- 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jew elry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



Bin# 7/3/26

1319698

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

| I. GENERATOR (Gene | rator comp | | | | | l a Basa | 3.00 | |
|--|--|---|---------------------------------------|---|--|--------------------------|---------------------------------------|--------------------------------|
| a. Generator's US EPA ID Number N/A | | D | . Manifest Docu | nent Number | | c. Page | " / | |
| d. Generator's Name and Location: Ready Family Partnership, 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | | 388-4460 | | 655 R | Address: Family Partr sawood Hwy, Illey, CA 949 | Suite 177 | | |
| If owner of the generating facility diffe | rs from the ge | nerator, pr | ovide: | | | | | |
| h. Owner's Name: | | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile # | k. Exp. I | Date | I. Waste Shi Description | oping Name and | m. Coi No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 430 | VZ014 | Sall | | 001 | M | 12 | F-97/9 |
| 8. | | | | | | | | |
| C. | | | | | | | | |
| GENERATOR'S CERTIFICATION: I state law, has been properly describe waste is a treatment residue of a prevbeen treated in accordance with the re- | d, classified a iously restrict | nd package ed hazardo | ed, and is in prop us waste subjec | oer condition for transport t to the Land Disposal Re | ation accordir strictions. I ce | ng to applicertify and w | cable regulations varrant that the | s; AND, if this |
| KIM GONTHI | A STATE OF THE PARTY OF THE PAR | | $K_{\mathcal{A}}$ | onther | | <u> </u> | 15-13 | 3 |
| p. Generator Authorized Agent Name II. TRANSPORTER (Ge | | | ignature (| <i>)</i> | ام ما | r. Date | | |
| b. Phone: | 3250 3 | | , dui 3, | ne nda Qosa Ca Na | | - 5. | | |
| c. Driver Name (Print) | | d. Signati | ire - | $\mathcal{A} \leftarrow \mathcal{A}$ | e. Date | | | |
| III. DESTINATION (Gene | | olete Illa- | c and Destin | ation Site completes | illd-g) | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | 926 | 447-0491 | c. US EPA Nui | | | | | |
| I hereby certify that the above named | material has | been accer | oted and to the b | est of my knowledge the | foregoing is t | rue and ac | curate. | |
| M. Kellvora | | 112h | redices, | <u>U</u> | // | 13-1 | 3 | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Genera | · | f. Signatůi | | complete IV- 1 | g. Date | | | |
| a. Operator's Name and Address: | tor complet | es iva-i | and Operator | c. Responsible Agency | Name and A | ddress: | | |
| b. Phone: e. Special Handling Instructions and A | Additional Info | rmation: | | d. Phone: | | | | |
| f. Friable Non-Friable I E OPERATOR'S CERTIFICATION: I he and are classified, packaged, marked national governmental regulations. | reby declare t | % Frial that the cor placarded, a | ntents of this cor | % Non-Friable signment are fully and ac pects in proper condition | curately desc for transport | ribed abov according | re by the proper to applicable int | shipping nam ernational and |
| | | | | | | | | |
| g. Operator's Name and Title (Print) | | h. Signatu | ire | contood the fadility hat | i. Date | r repoyete | d or the domail | tion or |
| *Operator refers to the company whic renovation operation or both | n owns, lease | s, operates | s, controls, or su | pervises the facility being | uemonsned d | ı renovate | u, or the demoil | uOH UI |

| SITE | Vasco Road Landtil | .L | | O1 TICK | 932881 | CELI | L | | |
|-------------------|--|-------------|---------------------------|-----------------|--------------------|--------------------|------------|---|--|
| . | 4001 N Vasco Road | | | NEIGHMASTER | <u> </u> | L | | *************************************** | |
| | ivermore, CA 925- | 447-0491 | \dashv \vdash | M. Pedro | | DATI | E/TIME OUT | | |
| 021591 | | | 1 | 11-05-2 | 2013 10: | 23 am 11 | 5-2013 | 10:50 am | |
| | YE CONSTRUCTION SOLUTIONS | | | FINT725 | | CON | TAINER | | |
| | AANDLER AVE A, CA 92704 | | | REFERENCE | ···· | | Т э | MOTCE | |
| 385013174 | | | INVOICE BILL OF LADING | | | | | | |
| | | | | | | | | | |
| | GROSS WEIGHT | 75,180 | NET | TONS | 16.43 | | | | |
| | TARE WEIGHT | 42,320 | NET W | EIGHT | 32,860 | | INBOUND | | |
| QTY. UNIT | DES | CRIPTION | | | RATE | EXTENSION | TAX | TOTAL | |
| 0.00 YD | TRACKING QTY | | | | | | | | |
| 16.43 TN | SW-CONT SOIL-ALT DAILY | COVE DUBLIN | | | | | | | |
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| | ER CERTIFICATE - This is to certify that the fol | | | | | | | NET AMOUNT | |
| | ster, whose signature is on this certificate, who i with Section 12700) of Division 5 of the Californ | | | | | | | | |
| | nt Standards of the California Department of Fo | | o Code, au | ministered by t | THE DIVISION | | - | TENDERED | |
| | | | | | | | | | |
| | gned individual signing this document on behalf of se side and that he or she has the authority to sign | | | | inderstands the to | erms and condition | s | CHANGE | |
| , | se side and that he or she has the dathorty to sign | | | | | 4, | | CHECK# | |
| RS-F042UPR (07/12 | 2) | SIGNAT | URE | | | | | | |
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B.H. 200

1319700

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

| I. GENERATOR (Gen a. Generator's US EPA ID Number N/A | | b. Manifest Docu | iment Number | | c. Page 1 of | | | | |
|--|--|---|--|------------------|--------------------------|--------------------------------------|------------------------------|--|--|
| d. Generator's Name and Location: Ready Family Partnershi 7102 & 7104 Dublin Rd Dublin, CA 94568 | p, LP 415-368-446 | • | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Radwood Hwy, Suite 177 g. Phone: Mill Valley, CA 94941 415-388-4460 | | | | | | |
| If owner of the generating facility dif | fers from the generator, | provide: | | | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Shi Description | ipping Name and | m. Cor No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol | | |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | Y | | |
| 6. | | | | | × 7 7 7 1 | | | | |
| C. | | | | | | | | | |
| GENERATOR'S CERTIFICATION: state law, has been properly describ waste is a treatment residue of a probeen treated in accordance with the | oed, classified and packa eviously restricted hazar | aged, and is in pro dous waste subjec | per condition for transpor ct to the Land Disposal R | rtation accordin | ng to applicertify and w | cable regulation varrant that the | is; AND, if thi waste has | | |
| p. Generator Authorized Agent Nam II. TRANSPORTER (C | | . Sígnaturé) | | | r. Date | | | | |
| | 3250 Dutto 1960 mc Signa a.signa | 00 | odien Konfo Roso, (. | e. Date | 1/-5 | <u>, 7</u> | | | |
| III. DESTINATION (Ge | | | nation Site complete | s Illd-g) | | | | | |
| a. Disposal Facility and Site Address Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94561 b. | s: 925-447-049 | c. US EPA Nu | mber d. Discrepancy li | ndication Spac | e: | | | | |
| I hereby certify that the above name | ed material has been acc | cepted and to the I | oest of my knowledge the | foregoing is tr | ue and ac | curate. | | | |
| M. Redrow | <u> </u> | pedio | 3 / | | -51 | 3 | | | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Gener | | | /\ Enamplete IVa-i) | g. Date | | | | | |
| a. Operator's Name and Address: | ator compressor : a | | c. Responsible Agency | / Name and Ac | ldress: | | | | |
| b. Phone: e. Special Handling Instructions and | I Additional Information: | | d. Phone: | | | | | | |
| f. Friable Non-Friable OPERATOR'S CERTIFICATION: It and are classified, packaged, marken national governmental regulations. | hereby declare that the c | riable contents of this cor d, and are in all res | % Non-Friable nsignment are fully and a spects in proper condition | ccurately desc | ribed abov according | e by the proper to applicable in | shipping na ternational a | | |
| | | | | | | | | | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company wh | h. Şigna | ature | | i. Date | | | | | |

| Vasco Road Landfill 4001 N Vasco Road Livermore, CA 925-447-0491 | SITE TICKET # CELL 01 932934 WEIGHMASTER M. Pedroza | | | | | |
|--|---|---------------------|--|--|--|--|
| USTOMER 021591 INNOVATIVE CONSTRUCTION SOLUTIONS 4011 W CHANDLER AVE | DATE/TIME IN 11-05-2013 12:09 pm 11 | -5-2013 12:36 pm | | | | |
| SANTA ANA, CA 92704 38501317457 | INVOICE BILL OF LADING | | | | | |
| GROSS WEIGHT 75,320 TARE WEIGHT 41,060 N | NET TONS 17.13 ET WEIGHT 34,260 | INBOUND | | | | |
| 0.00 YD TRACKING QTY 17.13 TN SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | | | |
| WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity wa by a weighmaster, whose signature is on this certificate, who is a recognized authority of accu (commencing with Section 12700) of Division 5 of the California Business and Professions Co of Measurement Standards of the California Department of Food & Agriculture. | urace as prescribed by Chapter 7 | NET AMOUNT TENDERED | | | | |
| The undersigned individual signing this document on behalf of Customer acknowledges that he on the reverse side and that he or she has the authority to sign this document on behalf of the c | | | | | | |
| RS-F042UPR (07/12) SIGNATURI | E | CHECK# | | | | |
| | | | | | | |



1319699

If waste is asbestos waste, complete Sections I, II, III and IV If waste is ${\bf NOT}$ asbestos waste, complete Sections I, II and III

B15

| a. Generator's US EPA ID Number | | s Ia-r) b. Manifest Document Number | | | | c. Page 1 of | | |
|--|--|---|--|--|-----------------------------|--------------------|----------------------------|--|
| N/A d. Generator's Name and Location: Ready Family Partnership, L 7102 & 7104 Dublin Rd | | | | g Address: Jy Family Parli Radwood Hwy | nerahip, LI | | | |
| f. Phone: Dublin, CA 94568 | 415-368-440 | 0 | | /alley, CA 944 | | 415-398-4460 | | |
| If owner of the generating facility differs | s from the generator, | provide: | g. r none. | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No. | | | | | |
| j. Waste Profile # | k. Exp. Date | | pping Name and | m. Co | ntainers | n. Total | o. Unit | |
| | | Description | | No. | Type | Quantity | Wt/Vol | |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | Tons— | |
| 6. | | | | | | | | |
| C. CENTERATION III | | | | | | | | |
| GENERATOR'S CERTIFICATION: I he state law, has been properly described, waste is a treatment residue of a previous been treated in accordance with the requirement. | , classified and packa ously restricted hazard | iged, and is in prop dous waste subiect | per condition for transpo t to the Land Disposal R | rtation accordir Restrictions, I ce | ng to appli ertify and v | cable regulations | AND if this | |
| KIM SONTHIE | =P2 | KA | Aluer | | a/)· | -5-1 | 3 | |
| p. Generator Authorized Agent Name (P | | Signature (| | | r. Date | | | |
| II. TRANSPORTER (Gen a. Transporter's Name and Address: | ierator completes | ₃ Iľa-b and Trar | nsporter completes | llc-e) | * | | | |
| b. Phone: 707 - 590 - 4960 | 250 Dutt | WAVE! | Bonta KOLA, | C1 : | | | | |
| c. Driver Name (Print) | | 11/201 | Ш | | 1-5 | /3 | | |
| III. DESTINATION (General | d. Signa | | otion Site complete | e. Date | | | | |
| | ater complete | c. US EPA Num | and the same of the contract o | 3 333 1 3 4 4 5 5 1 7 7 | ~ | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | 925-447-0491 | 회원사 중요를 가고 있다는 하다. | | | | | | |
| Vasco Rd. Landhil 4001 N. Vasco Rd. Livermore. CA 94551 | | 회원사 중요를 가고 있다는 하다. | | | | curate. | | |
| Vasco Rd. Landhil 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named many common and the common an | naterial has been acce | epted and to the be | | o foregoing is tr | | curate. | | |
| vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named management of Authorized Agent (Print) | naterial has been acce | epted and to the be ure | est of my knowledge the | | | curate. 5 - / 3 | | |
| vasco Rd. Landhil 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named mi | naterial has been acce | epted and to the be ure | est of my knowledge the | e foregoing is tr | ue and ac | curate. 5 - /3 | | |
| vasco Rd. Landhil 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named management of Authorized Agent (Print) IV. ASBESTOS (Generator | f. Signatur completes IVa-f | ure f and Operator | complete IVg-i) | e foregoing is tr | ue and ac | curate. 5 - / 3 | | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator a. Operator's Name and Address: b. Phone: e. Special Handling Instructions and Address | f. Signatur completes IVa-f | ure f and Operator | complete IVg-i) c. Responsible Agency | e foregoing is tr | ue and ac | curate. | | |
| vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. I hereby certify that the above named mi e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator a. Operator's Name and Address: b. Phone: | f. Signature or completes IVa-full ditional Information: | ure f and Operator able ontents of this cons | complete IVg-i) c. Responsible Agency d. Phone: | g. Datè g. Datè | ue and ac | e by the propers | hipping nam | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator a. Operator's Name and Address: b. Phone: e. Special Handling Instructions and Address: D. Priable | f. Signature or completes IVa-full ditional Information: | ure f and Operator able ontents of this cons | complete IVg-i) c. Responsible Agency d. Phone: | g. Datè g. Datè | ue and ac | e by the propers | hipping nar national an | |

| SITE | Vasco Road Landfill 4001 N Vasco Road | | | | | SITE TICKET # CELL 932987 | | | | |
|-----------------|---------------------------------------|---|---|------------------|---------------------|---------------------------|---------------|-------------|------|---------------------|
| | Τ. | | 447-0491 | | WEIGHMA | STER C. MORA | OUTT | M. Pedro | | |
| | 91 VATIV | VE CONSTRUCTION SOLUTIONS | | | DATE/TIME | ≡in 5-2013 | 1:55 pm | DATE/TIME O | UT | 2:33 pm |
| SANTA | | A, CA 92704 | | | BILL OF L | | | | IN | VOICE |
| | | GROSS WEIGHT TARE WEIGHT | 74,040 42,320 | | TONS EIGHT | 15. 31,7 | | INBO | DUND | |
| QTY. | UNIT | DE | SCRIPTION | (1 - No. 1 - No. | | RATE | EXTE | NSION | TAX | TOTAL |
| 0.00 15.86 | YD TN | TRACKING QTY SW-CONT SOIL-ALT DAILY | | | | | | | | |
| by a w (comm | eighmas iencing v | ER CERTIFICATE - This is to certify that the fol ster, whose signature is on this certificate, who i with Section 12700) of Division 5 of the Californ nt Standards of the California Department of Fo | s a recognized authority of ia Business and Profession | accurace a | s prescribe | ed by Chanter 7 | I | | | NET AMOUNT TENDERED |
| The on t | undersig | gned individual signing this document on behalf o se side and that he or she has the authority to sign | f Customer acknowledges the this document on behalf of | at he or she | e has read a er. | and understands | the terms and | conditions | | CHANGE |
| RS-F042UP | R (07/12 | 2) | SIGNA | TURE | | | × | | | CHECK# |
| | | | | | | | | | | |



1319701

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

315 25

| I. GENERATOR (Generato | or completes la- | r) | | | | | | |
|---|--|---|---|--|-----------------------|---------------------------|------------------------------------|-------------------|
| a. Generator's US EPA ID Number N/A | | b. Manifest Docum | | | | c. Page | 1 of / | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd Dublin, CA 94568 | 415-388-4460 | 를 들다 보고 있다. | e. Generator's g. Phone: | Mailing Address Ready Family 855 Redwood Mill Valley, C | / Parine I Hwy, i | Suite 177 | 415-388-448 | 0 |
| If owner of the generating facility differs from | om the generator, p | provide: | | | | | | |
| h. Owner's Name: | | | i. Owner's Pho | | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | | m. Con No. | tainers Type | n. Total Quantity | o. Unit Wt/Vol |
| | | Description | | | ino. | туро | Quartity | 177 |
| 38501317457 | 4/30/2014 | Soil | | | ත/ | CM | 12 | Trans |
| B. | | | | | | | | |
| G . | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, clawaste is a treatment residue of a previous been treated in accordance with the require | assified and packag by restricted hazardo | ged, and is in prop lous waste subject | er condition for to to the Land Disp | ransportation ac oosal Restrictior | ccordino ns. I cer | g to applic tify and w | able regulation arrant that the | ns; AND, if this |
| KIM PIONTHIFE | | +son | tures | • | | <u> </u> | 105/13 | |
| p. Generator Authorized Agent Name (Prin | | Signature) | | -1-4-5 H2 O) | | r. Date | | |
| II. TRANSPORTER (General a. Transporter's Name and Address: | | | | | | | | |
| a. Hanspottor Gradino dire | Intrius 3250 De | is IVAN | グートルと | | | | | |
| b_Phone: 3 328.0960 | 3250 Ju. | Kess | Cox | | | | | |
| Dried) & Mr. | 160 B | $\mathcal{O}(\zeta)$ |)./L_ | | //- | 5 | 13 | |
| c. Driver Name (Print) | d. Signat | | | | Date | | | |
| III. DESTINATION (Generat | or complete IIIa | | | | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. | 925-447-0491 | | | pancy Indication | | | | |
| I hereby certify that the above named mate | erial has been acce | pted and to the be | est of my knowle | dge the foregoir | ng is tru | ie and ac | curate. | |
| M. Pelhoza | Um | peduse | | | 11-5 | 5-13 | | |
| e. Name of Authorized Agent (Print) | f. Signatu | | | | Date | | | |
| IV. ASBESTOS (Generator | completes IVa-f | and Operator | | | | | | |
| a. Operator's Name and Address: b. Phone: | | | c. Responsible d. Phone: | Agency Name a | and Add | dress: | | |
| e. Special Handling Instructions and Addit | ional Information: | | | | | | | |
| f. Friable Non-Friable Both | % Fria | ahla | % Non-Friable | | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the co | ontents of this cons | signment are fully | | | | | |
| | | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company which ow | h. Signati ns, leases, operate: | | ervises the facilit | | Date shed or | renovated | d, or the demol | ition or |

| | Vasco Road Landfil 4001 N Vasco Road ermore, CA 925- | | 01 WEIGHMAST M. Pedi | | OELL | No. |
|---|--|--|--|---------------------------------------|------------------|---------------------|
| O21591 INNOVATIVE C 4011 W CHANE SANTA ANA, C 38501317457 | | DATE/TIME II 11-05- VEHICLE INT725 REFERENCE BILL OF LAD | -2013 3:4 5 | 4 pm DATE/TIME OUT 11-5-201 CONTAINER | 3 4:10 pm | |
| | GROSS WEIGHT TARE WEIGHT | 71,980 42,300 | NET TONS NET WEIGHT | 14.84 29,680 | INBOUN | ND |
| 1 | RACKING QTY J-CONT SOIL-ALT DAILY | COVE DUBLIN | | RATE | EXTENSION TAX | TOTAL |
| (commencing with Se | RTIFICATE - This is to certify that the foll nose signature is on this certificate, who is ection 12700) of Division 5 of the Californi dards of the California Department of Foo | s a recognized authority a Business and Profes | of accurace, as prescribed | by Chapter 7 | | NET AMOUNT TENDERED |
| The undersigned in on the reverse side RS-F042UPR (07/12) | dividual signing this document on behalf of and that he or she has the authority to sign | this document on behal | s that he or she has read and f of the customer. SNATURE | understands the term | s and conditions | CHANGE CHECK# |
| | | | | | | |



1319881

If waste is asbestos waste, complete Sections I, II, III and IV If waste is \underline{NOT} asbestos waste, complete Sections I, II and III

70000

| I. GENERATOR (Generate | or comple | etes la | ı-r) | | * | | | |
|--|--|-------------------------------|---|--|---|----------------------------|---|---------------------------------|
| a. Generator's US EPA ID Number | | | b. Manifest Docu | ment Number | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94568 | 416.4 | 188-446 | 0 | 655 Rec | ddress: Family Partn twood Hwy, ev, CA 949 | Suite 177 | | |
| i. Priorie. If owner of the generating facility differs fr | om the ger | nerator, | provide: | g. mione. | | | | |
| h. Owner's Name: | | | | i. Owner's Phone No.: | | | | |
| i. Waste Profile # | k. Exp. D | ate | I. Waste Shi | pping Name and | m. Cor | ntainers | n. Total | o. Unit |
| | | | Description | | | Type | Quantity | Wt/Vol |
| 38501317457 | 4/30/ | 2014 | Sail | | 001 | CM. | 12 | 1019 |
| B . | | | | | | | | |
| G. | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, c waste is a treatment residue of a previous been treated in accordance with the requi | assified an ly restricte | d packa d hazar | aged, and is in prop dous waste subjec | per condition for transportat t to the Land Disposal Rest | ion accordin rictions. I ce | g to applic rtify and w | cable regulations varrant that the v | s; AND, if this |
| KIM GONTHIER | * | | KRAN | thier | | 1/- | 1-13 | |
| p. Generator Authorized Agent Name (Pri | # 1 Table 1 Ta | Mary Control Control and | Signature(_) | | | r. Date | | |
| II. TRANSPORTER (Gene | rator con | <u>nplete:</u> | s lla-b and Tra | nsporter completes lic | c-e) | | | |
| a. Transporter's Name and Address: | MAKIN | M.C | 1/EANGER | 40AIMIANG | 10 | | | |
| | ・メンレ | UHI | tron N-C | LAUG KUA | 1 64 | | | |
| b. Phone: 707-578-09 | 60 | | | ~ /// | | | | |
| Brad & MI | 1000 | \mathcal{S}_{J} | $\mathcal{L}(\mathbb{Z})$ | Dellh | 111- | 11- | ; | |
| c. Driver Name (Print) | | d. Signa | ature | | e. Date | | | |
| III. DESTINATION (General | tor comp | lete III | a-c and Destin | ation Site completes l | lld-g) | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | 1. Ped 9254 | / 107 47-049 | c. US EPA Nur | Injedio | \\ \ | // | -1-13 | |
| I hereby certify that the above named man | erial has b | een acc | epted and to the b | est of my knowledge the fo | regoing is tr | ue and acc | curate. | |
| KIM GONTHIER | -K& | ~ | Kunxov | thuse // | | | | |
| e. Name of Authorized Agent (Print) | AND THE PROPERTY OF THE PARTY O | . Signat | | | g. Date | | | |
| IV. ASBESTOS (Generator | complete | s IVa- | t and Operator | | | | | |
| a. Operator's Name and Address:b. Phone:e. Special Handling Instructions and Additional Additional Control of the C | ional Inform | nation: | | c. Responsible Agency N d. Phone: | ame and Ad | aress: | | |
| AN ESSUE NO ESSUE NO ESSUE | \$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 22, | | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare the labeled/pla | % Fri at the ca acarded | ontents of this con | % Non-Friable signment are fully and accu pects in proper condition fo | ırately descr r transport a | ibed above ccording to | e by the proper o applicable inte | shipping name, rnational and |
| | | | | | | | | |
| g. Operator's Name and Title (Print) | | n. Signa | | | i. Date | | | |
| *Operator refers to the company which ow renovation operation or both | ns, leases, | operate | es, controls, or sup | pervises the facility being de | emolished or | renovated | ı, or tne demoliti | on or |

| SITE , | Mossa Dand Tandfill | 1 | SITE TIC | KET # | CELL | |
|--------------------------------|---|---|--|---------------------------|-----------------------------------|---------------------|
| , | Vasco Road Landfill 4001 N Vasco Road | <u>.</u> | 01 | 932328 | | |
| Li | | 147-0491 | WEIGHMASTE | | | |
| 021591 | E CONSTRUCTION SOLUTIONS | | M. Pedr DATE/TIME IN 11-01- VEHICLE | | DATE/TIME OUT 11-1-2013 CONTAINER | 7:52 am |
| 4011 W CH | ANDLER AVE , CA 92704 | | INT725 REFERENCE | | т | NVOICE |
| 385013174 | | | BILL OF LADI | NG | | |
| | GROSS WEIGHT | 77,320 | NET TONS | 17.85 | | |
| | TARE WEIGHT | 41,620 N | NET WEIGHT | 35,700 | INBOUND |) |
| OTY. UNIT 0.00 YD 17.85 TN | TRACKING QTY SW-CONT SOIL-ALT DAILY | lówing described commodifi | www.weighed_measure | | ENSION TAX | TOTAL |
| by a weighmas (commencing v | ter, whose signature is on this certificate, who in with Section 12700) of Division 5 of the Californ In the Standards of the California Department of Fo | s a recognized authority of a ia Business and Profession | accurace as prescribed | by Chapter 7 | | NET AMOUNT TENDERED |
| The undersign on the reverse | ned individual signing this document on behalf of side and that he or she has the authority to sign | Customer acknowledges that this document on behalf of the | he or she has read and | understands the terms and | conditions | CHANGE |
| RS-F042UPR (07/12) | 2/21 | | URE | , t-, | | CHECK# |
| | | | | | | |



1319695

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

10.20

| I. GENERATOR (Generate | or completes la | a-n) | | | | | |
|---|---|---|---|---|------------------------------|---|---------------------------------|
| a. Generator's US EPA ID Number N/A | | b. Manifest Docui | | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | 416-388-446 | | 655 Re | Address: Family Partn dwood Hwy, Iey, CA 949 | Suite 177 | | |
| If owner of the generating facility differs for | om the generator, | provide: | | | | | |
| h. Owner's Name: | I. F. B. | L Wests Shir | i. Owner's Phone No.: pping Name and | m Cor | ntainers | n. Total | o. Unit |
| j. Waste Profile # | k. Exp. Date | Description | philig Name and | No. | Туре | Quantity | Wt/Vol |
| 38501317457 | 4/30/2014 | Soil | | 00/ | CM | 12 | 144- |
| В. | | | | | | | |
| | | | | | | | |
| C. | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, or waste is a treatment residue of a previou been treated in accordance with the requ | lassified and pack sly restricted haza | aged, and is in prop rdous waste subjec | er condition for transporta t to the Land Disposal Re | ation accordir strictions. I ce | ig to applic ertify and v | cable regulations varrant that the v | S; AND, IT THIS |
| KIM GONTHIER | | Ka | thier | | 3// | 1-1-13 | |
| p. Generator Authorized Agent Name (Pr | | . Signatúre 🧷 | | | r. Date | | |
| II. TRANSPORTER (Gene | erator complete | s Ila-b and Tra | nsporter completes <u>l</u> | lc-e) | | | |
| a. Transporter's Name and Address: b. Phone: 707-578-05 | | Dutton A | roktotien 1. | Rosa | / C. | 1 | |
| Bund De MARI | -0 <u>3</u> | 08)41 | h | 11 | 1-1 | 3 | |
| c. Driver Name (Print) | d. Sign | | | e. Date | | | |
| III. DESTINATION (General | tor complete II | | ation Site completes | IIId-g) | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | 925 447-041 | | 1 | 117 | 11 | 3 | |
| I hereby certify that the above named ma | iterial has been ac | cepted and to the b | est of my knowledge the | roregoing is to | rue and ad | curate. | |
| By Act 1 ST 111410 | を使り | ===== * | ジセケー | 7171 | 3 | | |
| e. Name of Authorized Agent (Print) | f. Signa | | | g. Date | | | |
| IV. ASBESTOS (Generator | completes IVa | i-f and Operator | | | | | |
| a. Operator's Name and Address: b. Phone: e. Special Handling Instructions and Add | itional Information: | | c. Responsible Agency d. Phone: | Name and Ad | Idress: | | |
| | | | | | | | |
| f. Friable Non-Friable Bott OPERATOR'S CERTIFICATION: I hereband are classified, packaged, marked an national governmental regulations. | v declare that the | riable contents of this cor d, and are in all res | % Non-Friable signment are fully and ac pects in proper condition | curately desc for transport | ribed abov according | ve by the proper to applicable into | shipping name ernational and |
| | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company which o | h. Sign wns, leases, opera | ature tes, controls, or su | pervises the facility being | i. Date demolished o | r renovate | d, or the demolit | ion or |

renovation operation or both

| 4011 SANT | 91 VATIV W CH | E CONSTRUCTION SOLUTION SOLUTION SOLUTION ANDLER AVE | ad 5-447-0491 | SITE 01 WEIGHM DATE/TIM 11-(VEHICLE INT/ REFEREI BILL OF | ASTER 2 la Torre 01-2013 10: 125 NCE | 46 am 11 | E/TIME OUT -1-2013 ITAINER | 11:15 am |
|---------------|---------------------|---|---|---|---|-----------|----------------------------|------------|
| | | GROSS WEIGHT TARE WEIGHT | , 0, 200 | NET TONS NET WEIGHT | 17.33 34,660 | | INBOUND |) |
| QTY. | UNIT | | DESCRIPTION | | RATE | EXTENSION | TAX | TOTAL |
| 0.00 17.33 | YD TN | TRACKING QTY SW-CONT SOIL-ALT DAI | IV COUR BURT IN | | | | | |
| | | | | | | | | |
| by a י | weighma | ER CERTIFICATE - This is to certify that the ster, whose signature is on this certificate, with Section 12700) of Division 5 of the Control of the Section 12700 of Division 5 of the Control of the Section 12700 of Division 5 of the Control of the Section 12700 of Division 5 of the Control of the Section 12700 of Division 5 of the Control of the Section 12700 of Division 5 of the Section 12700 of Division 12700 | who is a recognized authori | ty of accurace, as presci | ribed by Chanter 7 | | | NET AMOUNT |
| of Me | easureme | with Section 12700) of Division 5 of the Ca nt Standards of the California Department | inornia Business and Profes of Food & Agriculture. | ssions Code, administer | red by the Division | | _ | TENDERED |
| | | | | | | | Į. | ICINDENED |

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _

RS-F042UPR (07/12)

CHANGE

CHECK#



1319696

If waste is asbestos waste, complete Sections I, II, III and IV If waste is **NOT** asbestos waste, complete Sections I, II and III

17:00

| TOIGUJU | | | | | 16.0 | | |
|---|---|---|---|---|-------------------------|--|-------------------|
| I. GENERATOR (Generate a. Generator's US EPA ID Number N/A | or completes i | b. Manifest Docur | ment Number | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd Dublin, CA 94568 f. Phone: | 415-388-44 | | 855 Rad | ddress: amily Partn wood Hwy, sy, CA 849 | Suite 177 | and the control of th | |
| If owner of the generating facility differs fr | om the generator | , provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | m. Cor No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 4/30/2014 | Soil | | 001 | CM | 12 | Insa |
| 8. | | | | | | | |
| C | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | lassified and pack sly restricted haza | raged, and is in prop irdous waste subject | er condition for transportati to the Land Disposal Resti | ion accordir rictions, I ce | ng to applientify and v | cable regulations varrant that the w | ; AND, if this |
| KIM GONTHIER | 2 | Krowt | her | | , 1 | 12/-11 | |
| p. Generator Authorized Agent Name (Pri | | ղ. Signature | | | r. Date | | |
| a. Transporter's Name and Address: b. Phone: 707-578-096 | TNAKINS | (/ L Vegu) | Sand A | 146 | CA | | |
| Bind De War | 0 8 | 00 | M_ | 1- | 11- | 13 | |
| c. Driver Name (Print) | d. Sigr | | | e. Date | | | |
| a. Disposal Facility and Site Address: Vasco Ad. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. Faceby certify that the above named materials. | 925-447-04 | c. US EPA Num | ber d. Discrepancy Indic | cation Space | | curate. | |
| Dervice Day Ch | al I | う . エフト | | 1 /1/ | 7/1 | 7 | |
| e-Name of Authorized Agent (Print) | f. Signa | ature - | | g. Date | 9 # # | 7 | |
| IV. ASBESTOS (Generator | completes IVa | a-f and Operator | complete IVg-i) | | | | |
| a. Operator's Name and Address: | | | c. Responsible Agency Na | ame and Ad | ldress: | | |
| b. Phone: e. Special Handling Instructions and Addit | ional Information: | | d. Phone: | | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both | % F | riable | % Non-Friable | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the | contents of this cons | ignment are fully and accu | | | | |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Sign | nature | A | i. Date | | J | |
| *Operator refers to the company which ow renovation operation or both | ris, ieases, opera | ites, controls, or sup- | ervises the facility being de | molished of | renovate | u, or the demolitic | on or |

| SITE | 0 | Vasco Road Landfil | 1 | | SITE TICK | | C | ELL | |
|------------|---------------------|---|--------------------------|------------------|------------------------|-----------------|------------------|----------------------------|--|
| | | 4001 : Vasco Road | | | 01 | 932455 | | | |
| | L | | 447-0491 | | WEIGHMASTER | | OI | . M . D | 1 |
| CUSTOMER | | | | | IN - S DATE/TIME IN | De la T | rorre Qu | JT - M PO DATE/TIME OUT | earoz — |
| 0215 | 91 | | | | | 2013 12 | 41 pm | 11-1-2013 CONTAINER | 1:18 pm |
| INNC | VITAV | E CONSTRUCTION SOLUTION | S | | VEHICLE INT725 | | | ONTAINER | |
| | | IANDLER AVE | | | REFERENCE | | | | ************************************** |
| | | A, CA 92704 | | | | | | | INVOICE |
| 3850 | 13174 | 57 | | J | BILL OF LADIN | G | | | |
| , | | GROSS WEIGHT | 75,800 | NET | TONS | 17.81 | | | |
| | | TARE WEIGHT | 40,180 | NET W | EIGHT | 35,620 | | INBOUN | ID |
| QTY. | UNIT | | SCRIPTION | | | RATE | EXTENSION | N TAX | TOTAL |
| 0.00 | | TRACKING QTY | | | | | | | |
| 17.81 | TN | SW-CONT SOIL-ALT DAILY | COVE DUBLIN | | | | | | |
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| WEI | GHMAST | ER CERTIFICATE - This is to certify that the | ollowing described com | modity was we | eighed, measure | d, or counted | <i></i> | | NET AMOUNT |
| by a | weignma: mencino | ster, whose signature is on this certificate, wh with Section 12700) of Division 5 of the Califo | o is a recognized author | ity of accurace | e, as prescribed to | by Chapter 7 | | | |
| of M | easureme | ent Standards of the California Department of | Food & Agriculture. | salona code, | administered by | the Division | | | TENDERED |
| | | | | | | | | | IENDENED |
| TH | e undersic | ned individual signing this document on behalf | of Customer acknowledge | es that he or si | ne has read and i | understands the | terms and condit | tions | CHANGE |
| | | se side and that he or she has the authority to sign | | | | | | | 011501/# |
| 50 50 1011 | DD (07140 | 2/21 | 0.1 | A | | | ~ | | CHECK# |
| RS-F042U | PR (07/12 | :) | SI | GNATUHE | | | | | |
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1319697

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

Bio PTZ49

1355

| a Constant IS EDA ID N | or complete | | .c | | | | | |
|--|-----------------------------------|---|------------------------------|---|--|----------------------------|-------------------------------------|----------------------------------|
| a. Generator's US EPA ID Number N/A | | b. Man | lifest Docun | nent Number | | c. Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: | 415-388 | -4460 | | 655 R | Address: Family Parl ∋dwood Hwy illey, CA 948 | , Suite 177 | | 0 |
| If owner of the generating facility differs fr | om the genera | ator, provide: | | | | | | |
| h. Owner's Name; | | | | i. Owner's Phone No.: | | | | |
| j. Waste Profile # | k. Exp. Date | | | ping Name and | m. Co | ntainers | n. Total | o. Unit |
| | | De | escription | | No. | Type | Quantity | Wt/Vol |
| 38501317457 | 4/30/201 | 14 | Soil | | 001 | CM | 12 | Tens- |
| В | | | | | | | | |
| C. | | | | | | | | |
| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | assified and p lv restricted h | ackaged, and azardous was | d is in prope ste subiect | er condition for transport to the Land Disposal Re | ation accordi | ng to applic | cable regulation | s: AND, if this |
| KIM GONTHIF | K | , | K P | ritaies | | | 11-1-1 | が |
| p. Generator Authorized Agent Name (Pri | nt) | q. Signatu | re () - | | | r. Date | | |
| II. TRANSPORTER (Gene | rator compl | etes lla-b | and Tran | sporter completes I | lc-e) | | | |
| a. Transporter's Name and Address: b. Phone: 707- 5,78- | | | o hie | SAUL KO | "a, CA | | | |
| C. Driver Name (Print) | | Signature | Dr/ | M. | 1/ | - / - / | 7 | |
| III. DESTINATION (Generat | | | l Destina | tion Site completes | e. Date | | • | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 b. Livermore that the above named mate | 925-447 | c. US | EPA Numl | ber d. Discrepancy Inc | dication Spac | | | |
| | criar rias peen |) | | st of thy knowledge the t | oregoing is a | uejanu açı | Juliaie. | |
| e-Name of Authorized Agent (Print) | f Ci | gnature | | | g. Date | 1 1 | | |
| IV. ASBESTOS (Generator | | | Doerator o | complete IVa-i) | I y. Date | | | |
| a. Operator's Name and Address: | | | | c. Responsible Agency I | Name and Ac | ldress: | | |
| b. Phone: e. Special Handling Instructions and Additional Handling Instruction Handling Instruct | onal Informati | <u> </u> | | d. Phone: | | | | |
| e. Special manuling instructions and Additi | onai Informati | un: | | | | | | |
| f. Friable Non-Friable Both | 0 | / Feet | 4.424,731 | 7.11 | | | | |
| f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare that the | 6 Friable ne contents o rded, and are | of this consi | % Non-Friable gnment are fully and accects in proper condition f | curately descr or transport a | ibed above according to | e by the proper o applicable int | shipping name, ernational and |
| a Ossiologo Namo - 4 Till /D L o | | | | | | | | |
| g. Operator's Name and Title (Print) *Operator refers to the company which own renovation operation or both | in. S ns, leases, ope | ignature erates, contro | ols, or supe | rvises the facility being d | i. Date lemolished or | renovated | , or the demoli | tion or |

| CUSTOMER 02159 | 91 | Vasco Road Landfill 4001 N Vasco Road ivermore, CA 925-447-0491 | 01 WEIGHMASTE S.De 13 DATE/TIME IN 11-01-2 | a Torre | 37 pm 11 | E/TIME OUT -1-2013 | 3:09 pm |
|----------------|-------|---|--|-----------------|------------|-----------------------|---------|
| 4011 SANT | W CH. | E CONSTRUCTION SOLUTIONS ANDLER AVE , CA 92704 57 | VEHICLE INT725 REFERENCE BILL OF LADI | NG | CON | ITAINER IN | VOICE |
| | | GROSS WEIGHT 74,020 TARE WEIGHT 41,480 | TONS EIGHT | 16.27 32,540 | | INBOUND | |
| QTY. | UNIT | DESCRIPTION | | RATE | EXTENSION | TAX | TOTAL |
| 0.00 | YD | TRACKING QTY | | | | | |
| 16.27 | TN | SW-CONT SOIL-ALT DAILY COVE DUBLIN | | | | | |

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE_

NET AMOUNT

TENDERED

CHANGE

CHECK#



1319882

If waste is asbestos waste, complete Sections I, II, III and IV If waste is NOT asbestos waste, complete Sections I, II and III 1217 PT 2777

840A-**GENERATOR** (Generator completes la-r) a. Generator's US EPA ID Number c. Page 1 of b. Manifest Document Number N/A e. Generator's Mailing Address: Ready Family Partnership, LP d. Generator's Name and Location: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 7102 & 7104 Dublin Rd Mill Valley, CA 94941 415-308-4460 Dublin, CA 94568 415-388-4460 a. Phone: If owner of the generating facility differs from the generator, provide: h. Owner's Name: i. Owner's Phone No.: j. Waste Profile # I. Waste Shipping Name and m. Containers n. Total o. Unit k. Exp. Date Wt/Vol Description Type Quantity No. 38501317457 001 (N 4/30/2014 Soil 8 GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261. p. Generator Authorized Agent Name (Print) q. Signature r. Date TRANSPORTER (Generator completes Ila-b and Transporter completes Ilc-e) a. Transporter's Name and Address: Futerissic Teansportation I Ful 3250 Dutton Ave Sasta Raca d. Signature c. Driver Name (Print **DESTINATION** (Generator complete Illa-c and Destination Site completes Illd-g) a. Disposal Facility and Site Address: Vasco Rd. Landfill c. US EPA Number 4001 N. Vasco Rd. Livermore CA 94551 925-447-049 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate e. Name of Authorized Agent (Print) g. Date f. Signature ASBESTOS (Generator completes IVa-f and Operator complete IVg-i) a. Operator's Name and Address: c. Responsible Agency Name and Address: b. Phone: d. Phone: e. Special Handling Instructions and Additional Information: f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or

i. Date

h. Signature

g. Operator's Name and Title (Print)

renovation operation or both

| SITE | r _{4,} | Vasco R | oad Landfill | |) | SITE TIC | CKET # | | CELL | | 9:40 am |
|-----------|-----------------|---|------------------------------|---|----------------|---------------|-----------------------|---------------|-------------|-------------|------------|
| | | | Vasco Road | | ļ | WEIGHMAST | _{TER} 932373 | | | | 10 |
| CUSTOMER | <u>L</u> ; | ivermore, CA | 925-4 | 47-0491 | | dAtePreve 1 | noza | | DATE | TIME OUT | |
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| | | , CA 92704 | | | | BILL OF LAD | DING | | | IN | VOICE |
| 3850 | 13174 | 57 | | | | | | | | | |
| | | GRO | OSS WEIGHT | 75,940 | NET | TONS | 17.12 | | | | TOTAL |
| | | | ARE WEIGHT | 41,700 | | | 34,240 | | | TNIDOLINID | |
| QTY. | UNIT | | | CRIPTION | NET WE | TGHI | RATE | EXTENS | ION. | INBOUND TAX | TOTAL |
| 0.00 | YD | TRACKING QT | v | | | | | | | | į. |
| 17.12 | TN | | ı L-ALT DAILY (| COVE DUBLIN | | | | | | | |
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| WEI | GHMAST. | ER CERTIFICATE - This | is to certify that the follo | owing described commo | oditv was weig | ihed, measur | red or counted | | | | NET AMOUNT |
| bva | weidhmai | ster, whose signature is owith Section 12700) of Di | on this certificate, who is | a recognized authority | of accurace | ac proceedhad | hu Chantar 7 | | | | \ i |
| of Me | asureme | nt Standards of the Califo | ornia Department of Foo | a Business and Profess od & Agriculture. | ions Code, ad | iministered b | y the Division | | | | TENDERED |
| The | undoreie | ned individual signing this | c document on behalf of | Customar acknowledges | that he or ch | a hae raad an | d understands the | terms and co | nditione | · | CHANGE |
| | | se side and that he or she | | | | | a understands the | terms and cor | | | |
| RS-F042UF |)D /07/4/ | . | | cic. | ALATI IDE | | | | | | CHECK# |
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1319879

If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

The 4, P115994

PT 3439

| I. GENERATOR (Generator | completes la | (-r) | | | | | 4 |
|--|--|--|--|---|-------------------------------|--------------------------------------|-------------------|
| a. Generator's US EPA ID Number | | b. Manifest Docum | nent Number | | c. Page | 1 of | |
| NA | | | | | | | |
| d. Generator's Name and Location: Ready Family Partnership, LP 7102 & 7104 Dublin Rd f. Phone: Dublin, CA 94568 | 415-388-448 | 0 | 65 | ling Address: ady Family Parl 5 Redwood Hwy Il Valley, CA 94 | , Suite 177 | | |
| If owner of the generating facility differs from | m the generator, | provide: | | | | | |
| h. Owner's Name: | | | i. Owner's Phone N | lo.: | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | ping Name and | m. Co No. | ontainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 39501317457 | 4/30/2014 | Soil | | 001 | cn | eggap appropriet | tôns Y |
| B . | | | | | | | |
| E. | | | | | | | |
| GENERATOR'S CERTIFICATION: I hereb state law, has been properly described, cla waste is a treatment residue of a previously been treated in accordance with the require | ssified and packa restricted hazar | iged, and is in prop dous waste subject R 268 and is no long | er condition for trans to the Land Disposa ger a hazardous was | portation accord I Restrictions. I | ing to appli certify and v | cable regulation warrant that the | ns; AND, if this |
| KIM GONIHIEK | | K(an | t men | | 16 | 135 | 5 |
| p. Generator Authorized Agent Name (Prin | | Signature) | | | r. Date | | |
| II. TRANSPORTER (General | ator completes | s Ila-b and Trar | nsporter complet | es Ilc-e) | | | |
| a. Transporter's Name and Address: 144(11515) 144(1151) 14 | stne Avri 8 oge | SALHA D | less Cit | | | | |
| c. Driver Name (Print) | d. Signa | 10 C | アとし | <i>IC</i> e. Date | | | |
| III. DESTINATION (Generate | | | ation Site comple | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA 94551 | | c. US EPA Num | ber d. Discrepand | y Indication Spa | | curate. | |
| MA XMATHER | KC . | * | 2014 1111 1 | | 10- | 25-1 | 18 |
| e. Name of Authorized Agent (Print) | () f. Signat | ture | XVI.X~~ | g. Date | | - - | **** |
| IV. ASBESTOS (Generator c | and the second of the second o | The state of the s | complete IVg-i) | | | | |
| a, Operator's Name and Address: | | | c. Responsible Age | ncy Name and A | ddress: | | |
| b. Phone: | | | d. Phone: | | | | |
| e. Special Handling Instructions and Addition | onal Information: | | | | | | |
| f. Friable Non-Friable Both OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and I national governmental regulations. | | ontents of this cons | | | | | |
| | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signa | nture | | i. Date | | | |
| *Operator refers to the company which own renovation operation or both | s, leases, operate | es, controls, or supe | ervises the facility be | ing demolished | or renovate | d, or the demo | lition or |

| O21591 INNOVATIV 4011 W CF | Vasco Road Landfil. 4001 N Vasco Road Livermore, CA 925-4 VE CONSTRUCTION SOLUTIONS HANDLER AVE A, CA 92704 | | SITE TICK 01 WEIGHMASTE C. MORA DATE/TIME IN 10-25-2 VEHICLE INT725 REFERENCE | 013 12:4 | 1 pm 10- | TIME OUT 25-2013 AINER | 1:06 pm | |
|----------------------------------|---|---|---|--|-------------------------------------|------------------------|---------|------------|
| QTY. UNIT | GROSS WEIGHT TARE WEIGHT | 76,900 41,820 | NET NET W | TONS EIGHT | 17.54 35,080 | I | NBOUND | - |
| | | SCRIPTION | | | RATE | EXTENSION | TAX | TOTAL |
| 17.54 TN | TRACKING QTY SW-CONT SOIL-ALT DAILY (| | | | | | | |
| (commencing w | R CERTIFICATE - This is to certify that the follow er, whose signature is on this certificate, who is a vith Section 12700) of Division 5 of the California t Standards of the California Department of Food | Pusing and Descent | ly was weighe accurace, as is Code, adm | ed, measured, o prescribed by 0 inistered by the | or counted Chapter 7 Division | | | NET AMOUNT |
| The undersi on the rever | gned individual signing this document on behalf of se side and that he or she has the authority to sign | Customer acknowledges to this document on behalf of | hat he or she f the custome | has read and ur r. | nderstands the ter | ms and conditions | | CHANGE |
| :S-F042UPR (07/1: | 2) | SIGNA | ATURE | | | * | | CHECK# |
| 24 F | | | | | | | | |

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1319878

If waste is asbestos waste, complete Sections I, II, III and IV If waste is <u>NOT</u> asbestos waste, complete Sections I, II and III

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| | | | | |

| I. GENERATOR (Gene | rator completes la-r |) | | | В. | n 31 | 26 | |
|---|--|--|--|--|----------------------------|---|--------------------------------------|------------------------------------|
| a. Generator's US EPA ID Number N/A | | D. Manifest Docur | ment Number | | | c, Page | 1 of | |
| d. Generator's Name and Location: Ready Family Partnership, 7102 & 7104 Dublin Rd Dublin, CA 94568 | LP 415-388-4460 | | e. Generator's | Mailing Add Ready Far 655 Redwi Mill Valley | mily Partr cod Hwy, | Suite 177 | | 0 |
| If owner of the generating facility differ | rs from the generator, pr | ovide: | | | | | | |
| h. Owner's Name: | | | i. Owner's Pho | one No.: | | | | |
| j. Waste Profile # | k. Exp. Date | I. Waste Ship Description | oping Name and | | m. Coi No. | ntainers Type | n. Total Quantity | o. Unit Wt/Vol |
| 38501317457 | 4/30/2014 | Soil | | | 001 | CH | | Tons |
| B. | | | | | | | | |
| G | | | | | | | | |
| GENERATOR'S CERTIFICATION: 11 state law, has been properly described waste is a treatment residue of a previous treated in accordance with the residue. | d, classified and package lously restricted hazardo | ed, and is in prop ous waste subject | per condition for to to the Land Dis | transportation sposal Restric | n accordir ctions. I ce | ng to applice and wartify and ware application. | cable regulation varrant that the | ns; AND, if this |
| KIM GONTHIE p. Generator Authorized Agent Name | | K/0 | onthie | <u> </u> | | <i>10</i> | - 25 | -/3 |
| II. TRANSPORTER (Ge | CANADA SACARAMINA DA CARACTERA DE CARACTERA | Market Author Charles and Charles Author | nsporter com | nletes IIc-c | <u>a)</u> | 1. Date | | |
| a. Transporter's Name and Address: b. Phone: | Literinsic 7 3250 Dullen 709 578 | AND S | ine inerta | Rora | e,1 | | | |
| Grad Dellaro | X | 7/7/ | 166- | | 10 | , 52 | 73 | |
| c. Driver Name (Print) III. DESTINATION (Gene | d. Signeltu | Control of the contro | -tion Cito nor | | e. Date | | | |
| a. Disposal Facility and Site Address: | rator complete ma- | c. US EPA Num | The second secon | npietes ilic | | Δ. | | |
| Vasco Rd. Landfill 4001 N. Vasco Rd. Livermore, CA (94551) | 1/05 topp | o de la companio de La companio de la co | | Tall . | landari est | g Sandaleg o | | |
| I hereby certify that the above named | material has been accep | oted and to the be | est of my knowle | dge the tore | going is ti | | | |
| e. Name of Authorized Agent (Print) | f. Signatur | re () | ANI | | g. Date | 10- | 25-1 | 3 |
| IV. ASBESTOS (Generat | CONTRACTOR CONTRACTOR AND ADMINISTRATION OF THE PROPERTY OF TH | A CONTRACTOR OF STREET AND ADDRESS OF THE STREET, AND ADDRESS OF THE STREET | complete IVo | g-i) | | | | |
| a. Operator's Name and Address: | | | c. Responsible | Agency Nan | ne and Ac | ldress: | | |
| b. Phone: e. Special Handling Instructions and A | dditional Information: | 1469 200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | d. Phone: | | | | | |
| O Openia Hallouing | Sumona memoria | | | | | | | |
| f. Friable Non-Friable B OPERATOR'S CERTIFICATION: I her and are classified, packaged, marked national governmental regulations. | Both % Friab reby declare that the con and labeled/placarded, a | itents of this cons | % Non-Friable signment are full pects in proper c | ly and accura | itely desci ransport a | ribed abov according t | e by the prope o applicable in | r shipping name ternational and |
| | | | | | | | | |
| g. Operator's Name and Title (Print) | h. Signatu | | | | i. Date | | | |
| *Operator refers to the company which | owns, leases, operates | , controls, or sup- | ervises the facilit | tv being dem | olished o | r renovated | d, or the demol | ition or |

renovation operation or both

| Vasco Road 4001 N Vasco Road 4001 N Vasco Road Livermore, CA CUSTOMER 021591 INNOVATIVE CONSTRUCTION SEAUTH ANA, CA 92704 38501317457 GROSS | SCO Road 925-447-0491 OLUTIONS WEIGHT 78,620 | SITE TIC 01 WEIGHMAST IN CONTROL OF LADIO NET TONS | MORA OUT 2013 11:11 | CELL - M PODICE DATETIME 10-25 CONTAINER | | 11:37 am |
|---|--|--|--|--|------|----------------------------|
| TARE 1 | WEIGHT 41,740 | NET WEIGHT | 36,880 | TNR | OUND | |
| QTY. UNIT | DESCRIPTION | | | | TAX | TOTAL |
| 0.00 YD TRACKING QTY 18.44 TN SW-CONT SOIL-AL' | F DAILY COVE DUBLIN | | | | | |
| WEIGHMASTER CERTIFICATE - This is to cer by a weighmaster, whose signature is on this ce (commencing with Section 12700) of Division 5 of Measurement Standards of the California Dep The undersigned individual signing this docume on the reverse side and that he or she has the an | of the California Business and Professions partment of Food & Agriculture. | sccurace, as prescribed to Code, administered by | by Chapter 7 the Division | and conditions | | NET AMOUNT TENDERED CHANGE |
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| RS-F042UPR (07/12) | SIGNAT | URE | ······································ | | _ | |
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NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

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If waste is asbestos waste, complete Sections I, II, III and IV If waste is $\underline{\text{NOT}}$ asbestos waste, complete Sections I, II and III

BIN 202

| I. GENERATOR (Generate | or comp | letes la | -r) | | | | | | |
|---|---------------------------|-------------------------|---|---|--|----------------------------|---------------------------------|----------------------------------|--|
| a. Generator's US EPA ID Number N/A | | | b. Manifest Docu | cument Number c. Page 1 of | | | | | |
| d. Generator's Name and Location: Ready Family Parinership, LP 7102 & 7104 Dublin Rd f. Phone: d. Generator's Name and Location: Parinership LP 415-388-4480 | | 1 | e. Generator's Mailing Address: Ready Family Partnership, LP 655 Redwood Hwy, Suite 177 g. Phone: Will Valley, CA 94941 415-368-4460 | | | | | | |
| If owner of the generating facility differs fr | om the g | enerator, p | provide: | | | | | | |
| h. Owner's Name: | | | | i. Owner's Phone No. | | | | | |
| j. Waste Profile # | k. Exp. | Date | | pping Name and | m. Cor | tainers | n. Total | o. Unit | |
| | | | Description | | No. | Туре | Quantity | Wt/Vol | |
| 38501317457 | 4(3) |)/2014 | M4 Soil | | | CM | | Fenne Y | |
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| GENERATOR'S CERTIFICATION: I here state law, has been properly described, cl waste is a treatment residue of a previous been treated in accordance with the requi | assified a ly restrict | ind packar ed hazard | ged, and is in pro _l lous waste subjec | per condition for transpo t to the Land Disposal F | rtation accordin Restrictions. I ce | g to applic rtify and w | able regulation arrant that the | ns; AND, if this | |
| KIM GONTHIER | | | Kan) | luer - | | 10-25-13 | | | |
| p. Generator Authorized Agent Name (Pri | nt) | q. | Signaturè | r. Date | | | | | |
| II. TRANSPORTER (Gene | | | | | | | | | |
| a. Transporter's Name and Address: 2 b. Phone: | 11/1. 250 7 | nsik Di | then Au 578 | S Inc ar Sarita 1960 | Ras A | \C(| (エル | 17775 | |
| Brad Da MARCO | | <u>以</u> | W (B) | <u> </u> | 10 | 25 | 13 | | |
| c. Driver Name (Print) III. DESTINATION (General | | d. Signa Slote We | | otion Cito complete | e. Date | | | | |
| a. Disposal Facility and Site Address: Vasco Rd. Landfill 4001 N. Vasco Rd. Liverprore, CA 94551 | 1. P.a. 925 | 1/077 447-0491 | c. US EPA Nur | nber d. Discrepancy I | Indication Space | in the second |)-25 | -,3 | |
| I hereby certify that the above named mat | enai nas V / □ | been acce | epted and to the b | est of my knowledge the | e foregoing is tr | ue and acc | curate. | | |
| 一、大阳一年的日本代 | A | J.≫ | MISTON | EXTREMENT ! | | | | | |
| e. Name of Authorized Agent (Print) IV. ASBESTOS (Generator | comple | f. Signati | The term of the second of the | g. Date | | | | | |
| IV. ASBESTOS (Generator a. Operator's Name and Address: | comple | co IVa-l | and Operator | c. Responsible Agenc | v Namo and A J | droce | | | |
| b. Phone: e. Special Handling Instructions and Addit | ional Info | rmation: | | d. Phone: | y Name and Ad | diess. | | | |
| f. ☐ Friable ☐ Non-Friable ☐ Both | | % Fria | able | % Non-Friable | | | | | |
| OPERATOR'S CERTIFICATION: I hereby and are classified, packaged, marked and national governmental regulations. | declare (labeled/p | hat the co | ntents of this con | signment are fully and a | occurately descr n for transport a | ibed above ccording to | by the proper capplicable in | shipping name ternational and | |
| | | | | | | | | | |
| g. Operator's Name and Title (Print) | | h. Signat | | | i. Date | | | | |
| *Operator refers to the company which ow renovation operation or both | ns, lease | s, operate | s, controls, or sup | ervises the facility being | g demolished or | renovated | , or the demol | ition or | |

| Vasco Road Landfill 4001 N Vasco Road Livermore, CA 925-447-0491 | | | | 01 WEIGHMASTER | | OUT - C | MODV | | |
|--|-----------------------------------|---|---|----------------------------------|---|----------------------------|-------------------|--|------------------|
| | 91 VATIV | E CONSTRUCTION SOLUTIONS ANDLER AVE | | | DATE/TIME IN 10-25-2 VEHICLE INT725 REFERENCE | Pedroza 2013 2:3 | | MORA E/TIME OUT -25-2013 TAINER | 3:07 pr |
| SANTA | | , CA 92704 | | | BILL OF LADIN | G | | II | NVOICE |
| > | | GROSS WEIGHT TARE WEIGHT | 76,880 40,420 | | TONS VEIGHT | 18.23 36,460 | | INBOUND | |
| QTY, | UNIT | DES | CRIPTION | | | RATE | EXTENSION | TAX | TOTAL |
| 0.00 18.23 | YD TN | TRACKING QTY SW-CONT SOIL-ALT DAILY | COVE DUBLIN | | | | | | |
| by a w (commof Mea | veighmas nencing v asuremer | ER CERTIFICATE - This is to certify that the folk ter, whose signature is on this certificate, who is with Section 12700) of Division 5 of the California nt Standards of the California Department of Foo | s a recognized authority a Business and Profest od & Agriculture. | y of accurace, ssions Code, a | as prescribed by the desired by the | y Chapter 7 he Division | | | TENDERED CHANGE |
| The on | e undersig the rever | gned individual signing this document on behalf of se side and that he or she has the authority to sign | this document on beha | ilf of the custon | ner. | | rms and condition | ıs | CHECK# |
| RS-F042UF | PR (07/12 | 2) | SI | GNATURE | | | | | |
| | | | | | | | | | |

Appendix D
Soil Gas Sampling Field Forms

Purge Volume Calculation

| Boring diameter Sandpack depth Sandpack total volume Sandpack total volume Sandpack porosity | 2.25 in 18 in 72 in ³ 1173 cm ³ | Diameter of flared end of outer rod Includes sandpack and half of dry bentonite pack $V_{total} = L \times \pi/4 \times D^2$ Units conversion Engineering judgment |
|--|---|--|
| 1 1 3 | 352 cm^3 | |
| Sandpack pore volume | 332 cm | $V_{pore} = V_{total} \times n$ |
| Tubing ID | 0.125 in | Thick walled tubing |
| Tubing length | 96 in | Assume 8 feet of sampling/purge line |
| Tubing volume | 1.18 in^3 | $V = L \times \pi/4 \times D^2$ |
| Tubing volume | 19 cm^3 | Units conversion |
| ONE VOLUME | 371 cm ³ 371 ml | Sum of sand pack and tubing |
| THREE VOLUMES | 1113 ml 19 pulls | Purged amount at each location Number of pulls at 60 ml/pull |

| COMPLETE ONE LOG PER | COMPLETE ONE LOG PER SAMPLING LOCATION | | | | |
|--------------------------------------|--|----------------------------------|---|--|--|
| Project: 13-945C | | levers | Boring #: SS-05 | | |
| Date: 10/8/2013 | Weather: | 1 | Sampler: | | |
| # of purge volumes: | Leak check compound | Helium | Sample flow rate: | | |
| | | | | | |
| % Helium in shroud prior to sample | % Helium i | n shroud post sampling: 6.04 202 | | | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | | |
| Sample 1 | | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: | Sample finish time: | | Sample volume: | | |
| Initial Summa vacuum: -30 | Final Summa vacuum: | -4 | | | |
| Samples taken (circle): Summa | (TO15) | * | | | |
| Notes: # 0010 | 4 | all | good | | |
| Sample Dup | | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: | Sample finish time: | | Sample volume: | | |
| Initial Summa vacuum: | Final Summa vacuum: | | | | |
| Samples taken (circle): Summa (TO15) | | | | | |
| Notes: | | | | | |

| COMPLETE ONE LOG PER SAMPLING LOCATION 1 in ³ =16.387 ml, 1 gallon=2785.412 | | | | |
|--|--|------------|--|--|
| Project: Park Ave Cleurs Interim Action | Contract #: | <u> </u> | Boring #: 55-04 | |
| Date: 10/8/13 | Weather: Cunny Leak check compound: Helium | | Sampler: CP. | |
| # of purge volumes: 3BC 10/8/13 | Leak check compound: | Helium | Sample flow rate: 100-200 ml/min | |
| Helium Shroud | | | Durying MK-BC. | |
| % Helium in shroud prior to sampli | ng: 20.6 | % Helium i | n shroud post sampling: 20,0 | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: -0.02 | |
| Sample 1 | | | Perguy | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): See Cell | |
| Sample start time: 0826 | Sample finish time: | 947 | Sample volume: | |
| Initial Summa vacuum: - 30 | Final Summa vacuum: | _U | | |
| Samples taken (circle): Summa (| (TO15) | | | |
| Notes: | | | 9.4 | |
| Can # 00114 | | al | ll georef | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: 0826 | Sample finish time: | 847 | Sample volume: 1 L | |
| Initial Summa vacuum: -30 | Final Summa vacuum: | -5 | | |
| Samples taken (circle): Summa (| TO15) | | | |
| Notes: | | _ | (1) | |
| can #10/46 | X-DUP | | all good | |

| | | CANISTER | SAMPLING LOG | | | | |
|---------------------------------------|-------------------|------------------------|--------------------------|---------|---------|---------|---------|
| PROJECT NUMBER: 3 - 9 | rvenue Cl 45 C | (einus) | - | | | DATE: | 10/8/2 |
| | | | FLOW | VAC | UUM | ТІ | ME |
| FIELD SAMPLE ID | LOCATION | CANISTER SERIAL NO. | CONTROLLER SERIAL NO. | START | END | START | END |
| 00 mll | EC ()[] | m () | 421 | (in Hg) | (in Hg) | (hh:mm) | (hh:mm) |
| 55-04 | 55-04 | 00117 | WA | -30 | -4 | 6826 | 0847 |
| X-DOP | >>-0-1 | 00146 | NA | -30 | -5 | 6.850 | 0847 |
| 55-05 | 55-05 | 00164 | WA | -30 | -17 | 0941 | 0952 |
| | | | | | | | |
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| · · · · · · · · · · · · · · · · · · · | | | | | | | |
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| 2 | | | | | | | |
| NOTES: all | govel | | | | | | |
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SIGNATURE

IRIS ENVIRONMENTAL

| COMPLETE ONE LOG PER | SAMPLING LOCA | <u>ATION</u> | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|---|------------------------|--------------|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: | |
| Date: 0 2 1 1 3 # of purge volumes: | | Sunny | Sampler:TK | |
| # of purge volumes: | Leak check compound | : Helium O | Sample flow rate: | |
| Helium Shroud | | | ÿ | |
| % Helium in shroud prior to sampling: % Helium in shroud post sampling: | | | | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | |
| Sample 1 88-05 - 10 | 12113 | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: 095 2 | Sample finish time: | 02 | Sample volume: | |
| Initial Summa vacuum: — 36 | Final Summa vacuum: | -5 | | |
| Samples taken (circle): Summa | (TO15) | | 3 | |
| Notes: Canister + | ÷ 87 | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | ** | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa | (TO15) | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING LOCATION 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | | | | | |
|---|------------------------|------------|---|--|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: | | |
| Date: 10(21/13 # of purge volumes: | Weather: ~65°F | Sunny | Sampler:TK | | |
| # of purge volumes: | Leak check compound: | : Helium 0 | Sample flow rate: | | |
| Helium Shroud | | | | | |
| % Helium in shroud prior to sampling: 30.9 % Helium in shroud post sampling: | | | | | |
| % Helium in sample line prior to sa | mpling: 00.2 | % Helium i | n sample line post sampling: | | |
| Sample 1 SS - 64 - 10 | 2113 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: 1043 | Sample finish time: | 1054 | Sample volume: | | |
| Initial Summa vacuum: | Final Summa vacuum: | -5 | | | |
| Samples taken (circle): Summa | (TO15) | | | | |
| Notes: | | | | | |
| | | | | | |
| Sample Dup | | | 9 | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: | Sample finish time: | | Sample volume: | | |
| Initial Summa vacuum: | Final Summa vacuum: | | | | |
| Samples taken (circle): Summa (TO15) | | | | | |
| Notes: | | | | | |

118

| Project: | Contract #: | | Boring #: | |
|-------------------------------------|-----------------------|------------|---|--|
| Park Avenue Cleaners | 13-945C | | SV-01 | |
| Date: 11/18/13 | Weather: | | Sampler: | |
| | overcast ~ 600F | • | TKIBC | |
| # of purge volumes: | Leak check compound: | Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to samp | ling: /3.5. | % Helium | in shroud post sampling: 7, 2 | |
| % Helium in sample line prior to sa | ampling: | % Helium i | in sample line post sampling: | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| 6.0 | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: / | 225 | Sample volume: | |
| Initial Summa vacuum: -30 | Final Summa vacuum: | -5 | | |
| Samples taken (circle): Summa | (TO15) | | | |
| Notes: Canistr # 80 | Shroud # 12 | - | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| U.O | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| | | | | |
| Sample start time: | Sample finish time: | 1700 | Sample volume: | |

| Depth: | Time installed: | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): |
|------------------------------|------------------------|---|
| Sample start time: /155 | Sample finish time: | Sample volume: |
| Initial Summa vacuum: - 30 | Final Summa vacuum: -5 | |
| Samples taken (circle): Summ | a (TO15) | |
| Notes: Canister 422 | Shroud # 12 | Duplicate named SV-01-DUP w/fake time & 1235 |

| COMPLETE ONE LOG PER SAMPLING <u>LOCATION</u> | | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|---|-------------------------|------------|---|--|
| Project: | Contract #: | | Boring #: Syl- #2 | |
| Park Avenue Cleaners | 13-945C | | 34-03 | |
| Date: 11/18/13 | Weather: | °F | Sampler: | |
| # of purge volumes: 3 | Leak check compound | | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampli | n shroud post sampling: | | | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| 5.5' | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: - 30 | Final Summa vacuum: | -5 | | |
| Samples taken (circle): Summa | | | | |
| Notes: Carister # 107, | Should #3 | | | |
| Sample Dup | n | | | |
| Depth: | Time installed: | ř | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER | SAMPLING LOCAT | <u>rion</u> | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | | |
|--------------------------------------|------------------------|-------------|---|--|--|
| Project: | Contract #: | | Boring #: | | |
| Park Avenue Cleaners | 13-945C | | 5V-04 | | |
| Date: 11/18/13 | Weather: | | Sampler: | | |
| | overcast ~ 600 | | TKIBC | | |
| # of purge volumes: | Leak check compound: I | Helium | Sample flow rate: | | |
| Helium Shroud | | | | | |
| % Helium in shroud prior to sampli | ing: 25 | % Helium i | n shroud post sampling: | | |
| % Helium in sample line prior to sa | | % Helium i | n sample line post sampling: | | |
| Sample 1 | | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | | |
| 5.5 | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: 1255 | Sample finish time: | | Sample volume: | | |
| Initial Summa vacuum: - 28 | Final Summa vacuum: | -4 | | | |
| Samples taken (circle): Summa | (TO15) | | | | |
| Notes: Canista # 89 | | | | | |
| * wint conistra | 112 leaked 1 saw | alis man | told in a funkcy spot inside should - | | |
| 1 1000 14113 | TIZ KACH (| The Street | hat het between carister + marstal | | |
| Sample Dup | | | | | |
| Depth: | Time installed: | i | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | | |
| • | | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | | |
| Sample start time: | Sample finish time: | , | Sample volume: | | |
| Initial Summa vacuum: | Final Summa vacuum: | | | | |
| Samples taken (circle): Summa (TO15) | | | | | |
| Notes: | | | | | |

| COMPLETE ONE LOG PER SAMPLING LOCATION | | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|--|------------------------|-------------------------|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: | |
| Date: 11/18/13 | Weather: | | Sampler: | |
| | overcast ~60°F | | TKIBC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampling: % Helium i | | n shroud post sampling: | | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| 5.5 | NA | | $+R_{borehole}^{2*}3.14*H_{sandpack}*0.3)$: | |
| Sample start time: | Camala Gaiah Airea | | Sample volume: | |
| 1352 | | 1402 | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: -5 | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: Canister #137 Shrond #19 | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| | | | The Roborehole 3.14 n _{sandpack} (0.3); | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING LOCATION 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | | | | |
|---|---|------------|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: SV - Ø7 | |
| Date: 11/18/13 | Weather: | | Sampler: | |
| | overcust ~609 | | TEIBC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampli | Helium in shroud prior to sampling: % Helium in | | n shroud post sampling: | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| 5,5 | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | 1048 | Sample volume: | |
| Initial Summa vacuum: -30 | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: canister # 270, should # V | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |
| | | | | |

| COMPLETE ONE LOG PER SAMPLING <u>LOCATION</u> | | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|--|------------------------|------------|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: | |
| Date: 11/18/13 | Weather: | | Sampler: TKIBC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampling: 7, % Helium | | % Helium i | n shroud post sampling: | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: ~ O(2 | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| 6, 7 | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | 1110 | Sample volume: | |
| Initial Summa vacuum: -30 | Final Summa vacuum: | -3 | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: canister # 51 Shroud # I | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING <u>LOCATION</u> | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | | |
|--|--------------------------|--|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: SS − Ø/ | |
| Date: 11/18/13 | Weather: | | Sampler: TK BC | |
| # of purge volumes: 3 | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | 20 | | | |
| % Helium in shroud prior to sampling: % Helium i | | n shroud post sampling: | | |
| % Helium in sample line prior to sampling: | | % Helium i | n sample line post sampling: | |
| Sample 1 | 2 | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: 1450 | Sample finish time: 1457 | | Sample volume: | |
| Initial Summa vacuum: - 50 | Final Summa vacuum:4 | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: Camister # 135, Shroud # 14 | | | | |
| Sample Dup | | | a a | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING LOCATION | | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|--|---------------------------|------------|---|--|
| Project: Park Avenue Cleaners | Contract #: 13-945C | | Boring #: \$5 - \@ 3 | |
| Date: 11/18/13 | Weather: overcast ~ 60°F | | Sampler: TL BC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampling: 29 We Helium | | | n shroud post sampling: | |
| % Helium in sample line prior to sa | mpling: $_{\mathcal{D}}$ | % Helium i | n sample line post sampling: | |
| Sample 1 | | | | |
| Depth: Sub-slåb | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: 1520 | | Sample volume: | |
| Initial Summa vacuum: - 30 | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: Strand Hy | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING <u>LOCATION</u> | | 1 in ³ =16.387 ml, 1 gallon=2785. | 412 ml | |
|---|---|--|--|-------------------------|
| Project: | Contract #: | | Boring #: \$5-\$94 | |
| Park Avenue Cleaners | 13-945C | | 4 | |
| Date: 11/18/13 | Weather: | | Sampler: TE/BC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampli | % Helium in shroud prior to sampling: 28.3 % Helium i | | n shroud post sampling: | 16.6 |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | -0.09 |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| 8ub-Slab | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: 1540 | Sample finish time: | 1551 | Sample volume: | 11 |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: Shroud # 17 | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ^{2*} + R _{borehole} ^{2*} 3.14*H _{sandpack} *0.3): | *3.14*L _{tube} |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |

| COMPLETE ONE LOG PER SAMPLING <u>LOCATION</u> | | | 1 in ³ =16.387 ml, 1 gallon=2785.412 ml | |
|---|---------------------|------------|---|--|
| Project: | Contract #: | | Boring #: \$\infty - \pi 5 | |
| Park Avenue Cleaners | 13-945C | | 0,709 | |
| Date: 11/18/13 | Weather: | | Sampler: | |
| | overcast ~60% | - | TKIBC | |
| # of purge volumes: | Leak check compound | : Helium | Sample flow rate: | |
| Helium Shroud | | | | |
| % Helium in shroud prior to sampling: | | | n shroud post sampling: | |
| % Helium in sample line prior to sa | mpling: | % Helium i | n sample line post sampling: | |
| Sample 1 | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} | |
| | NA | | + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | 1436 | Sample volume: | |
| Initial Summa vacuum: - 30 | Final Summa vacuum: | -5 | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: canistar + 190, shoul # 20 | | | | |
| Sample Dup | | | | |
| Depth: | Time installed: | | Calculated purge volume (R _{tube} ² *3.14*L _{tube} + R _{borehole} ² *3.14*H _{sandpack} *0.3): | |
| Sample start time: | Sample finish time: | | Sample volume: | |
| Initial Summa vacuum: | Final Summa vacuum: | | | |
| Samples taken (circle): Summa (TO15) | | | | |
| Notes: | | | | |
| | | | | |

Appendix E Photo Documentation

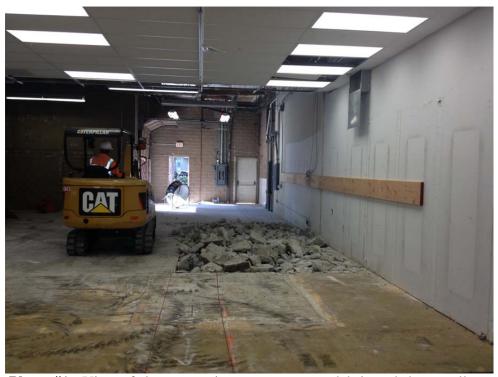


Photo #1: View of slot excavation area, concrete debris and shear wall bracing inside 7102 tenant space per IRAP.



Photo #2: View of three slot excavation areas in 7102 tenant space with shear wall bracing per IRAP. The other two slot excavation areas between these areas were completed when the concrete slurry fully cured.

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Photo #3: View of a slot excavation area in the 7102 tenant space being backfilled with concrete slurry.



Photo #4: View of the general excavation area at 7104 tenant space prior to backfilling with concrete slurry. Excavator is located atop completed slot excavation area.

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Photo #5: View of sub-slab depressurization system piping on top of pea gravel at 7102 tenant space. Pea gravel was then placed atop the PVC piping per IRAP.



Photo #6: View of sub-slab depressurization piping on top of pea gravel at 7104 tenant space. Pea gravel was then placed atop the PVC piping per IRAP.

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Photo #7: Sub-slab depressurization system through shear wall from the 7102 tenant space into the 7104 tenant space.



Photo #8: Sub-slab depressurization system and capped piping exiting building at rear of 7102 tenant space.

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Photo #9: Completed sub-slab depressurization system vault box located at rear of 7102 tenant space.

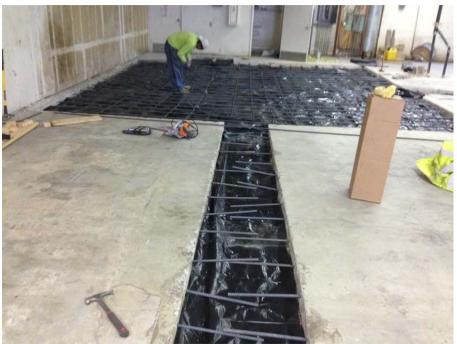


Photo #10: View of visqueen placed on top of pea gravel and overlaying rebar prior to pouring concrete slab in 7104 tenant space. This was also done for the 7102 tenant space in the same manner.

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Photo #11: View of 7104 tenant space after completion.



Photo #12: View of 7102 tenant space after completion.