Hazardous Waste Section

File Room Document Transmittal Sheet

17

Your Name:	Mary Siedlecki
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CORR Environmental Resources, Inc.

February 29, 2016

Ms. Mary Siedlecki
North Carolina Department of Environmental Quality
Hazardous Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Re: Indoor Air Quality Testing Report of Findings
Former Heatcraft Facility, Wilmington, North Carolina
NCD #057 451 270
CORR Project # 3079

Ms. Siedlecki:

CORR Environmental Resources, Inc., (CORR) on behalf of Daikin Applied Americas, Inc. (DAA) presents this report of findings concerning the testing of indoor air quality at the former Heatcraft facility. The air quality sampling was proposed to determine if latent solvent vapors are impacting indoor air quality within enclosed work spaces at the S&R Packing and Crating owned facility.

Executive Summary

Indoor air quality testing was conducted to determine if ambient air quality within the former Heatcraft manufacturing building is impacted with solvent vapors associated with the shallow groundwater plume beneath the building. The presence or absence of these organic vapors will provide the data necessary to evaluate the shallow groundwater to indoor air pathway route of potential exposure.

Eight air samples were collected and analyzed using EPA Method TO-15 for volatile organic compounds. These sample locations provided an assessment of indoor air quality within the former Heatcraft facility. These included the high bay area where the steam degreasing unit was formerly located. Other areas included the active manufacturing areas, the primary truck loading dock, the main enclosed office space, the employee break room, an unused office space area and two other areas where S&R employees work. A single outdoor ambient air sample was collected for background data.

The analytical testing data indicated the presence of low microgram per cubic meter ($\mu g/M^3$) of trichloroethene (TCE) in all seven indoor samples. These data ranged from 3.5 $\mu g/M^3$ in the unused office space, 22 $\mu g/M^3$ at the former steam degreasing area of the building and 42 $\mu g/M^3$ in the approximate center of the building. The active office space and break room data indicated TCE at 5.2 and 7.7 $\mu g/M^3$ respectively. The warehouse and storage area of the building has TCE at 18 $\mu g/M^3$ with the truck loading dock area at 6.1 $\mu g/M^3$. The background outdoor ambient air sample did not indicate the presence of TCE above the 0.66 $\mu g/M^3$ reporting limit (RL).

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These data when compared with the indoor air quality screening concentration benchmark for TCE indicate the samples exceed the 1.75 µg/M³ value. These samples were collected during off work hours and the building bay doors were closed with little to no air circulation or outside air exchange as would be expected during typical working shift hours. The enclosed office spaces also had the HVAC systems off and doors were closed to the main plant manufacturing areas.

Background

The North Carolina Department Environmental Quality; Hazard Waste Section (HWS) as a component of the Administrative Order in Lieu of Post Closure Permit (the Order) listed the Groundwater to Indoor Air pathway as an assessment requirement. The assessment of potential groundwater to effect indoor air quality was previously investigated in April 2004. The indoor air quality testing at that time identified low part per billion concentrations of TCE, 1,1,1 TCA, 1,1 DCE and cis-1,2 DCE constituents. The Order stated these 2004 data were compared with the November 2010 EPA Regional Screening Levels (RSLs) and the reported concentrations were below their respective benchmark values except for TCE. The values for the TCE constituent were, at the time of the April 2004 investigation, below any applicable OSHA or NOISH standards.

The most recent EPA guidance document; Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June 2015, was used as a reference in conducting the assessment tasks. As directed by the HWS, analytical testing results were compared with applicable and most current RSL's from the NCDEQ Division of Waste Management, Non-Residential Vapor Intrusion Screening Concentrations (September 2015).

The indoor air and crawlspace screening concentration (IASL) Table using IASL (A) lists the Target Cancer Risk (TCR) of 1E-06 with a Target Hazard Quotient (THQ) of 0.2. The 1E-06 TCR values were used due to the presence of more than one carcinogen in the analytical testing results.

The Chemicals of Concern (COC's) primarily associated with the former Heatcraft remediation site include the following (including their respective CAS#). The IASL benchmark values are also noted:

- **TCE** – 79-01-6; 1.75E+00 = 1.75 µg/M³
- **1,1,1 TCA** – 71-55-6; 4.38E+03 = 4,380 µg/M³
- **1,1 DCE** – 75-35-4; 1.75E+02 = 175 µg/M³
- **1,1 DCA** – 75-34-3; 7.67E+00 = 7.67 µg/M³
- **cis-1,2 DCE** – 156-59-2; not listed
- **trans-1,2 DCE** – 156-60-5; not listed
- **1,4 dioxane** – 123-91-1; 2.45E+00 = 2.45 µg/M³
- **vinyl chloride** – 75-01-4; 2.79E+00 = 2.79 µg/M³

Other volatile constituents previous identified in various sampling events at low to moderate part per billion concentrations include the following (with their respective CAS# and IASL benchmarks):

- **Benzene;** 71-43-2; 1.57E+00 = 1.57 µg/M³
- **Ethylbenzene;** 100-41-4; 4.91E+00 = 4.91 µg/M³
- **Methyl Ethyl Ketone** (2-butanone); 78-93-3; 4.38E+03 = 4,380 µg/M³
- **Naphthalene;** 91-20-3; 3.61E-01 = 0.361 µg/M³
- **Tetrachloroethene (PCE);** 127-18-4; 3.50E+01 = 35 µg/M³
- **Toluene;** 108-88-3; 4.38E+03 = 4,380 µg/M³
- **1,2,4 Trimethylbenzene (TMB);** 95-63-6; 6.31E+00 = 6.31 µg/M³
- **1,3,5 TMB;** 108-67-8; not listed
- **Xylene (et al)**; 1330-20-7; 8.76E+01 = 87.6 µg/M³

These volatile constituents are the primary and secondary COCs of the report of findings.

Sampling Strategy

The objectives of the investigation provided the following information:

- A cursory building inspection of the facility interior included possible intrusion pathways such as floor drains, sumps, foundation cracks, and floor penetrations for equipment or utility services. Heating/ventilation equipment was observed only in the indoor office space and breakroom. Outside ambient air circulation into the building uses high capacity fans and open bay doors during mild to hot weather. The facility is concrete slab on grade foundation with no known sub-floor features or basements.

- Confirmed facility operators are not using any hazardous or other similar chemicals absent water based paints and small quantities of aerosol paints and similar products typically available from retail outlets. The facility manufactures primarily wood based products for packing and crating uses. Some of these crating products are painted with water based paints.

- Seven indoor air samples were collected within the plant building. Three of these were located within enclosed office space(s) and the employee break room. The four others were located throughout the building open space and included within the high bay area where the former steam degreasing operation was conducted. One outdoor ambient air sample was located on the northeast side of the building as a background sample. The background sample was located based on a northerly wind direction at the time of testing.

- Time-integrated sampling was conducted using laboratory prepared and certified vacuum canisters (6-liter volume). The air canisters were operated during a full 24-hour time interval. The canisters were situated with the air intake located at approximately 4-feet above the floor for breathing zone purposes. The canisters were fitted with laboratory provided regulators to ensure the intake flow rate is equal to or less than 200-milliters per minute.

- The sampling task was conducted beginning on Friday January 8 at approximately 4:00 pm (after the work shift had ended) and operated until ~4:00 pm Saturday January 9, 2016. The facility was essentially closed and no manufacturing was conducted during the 24-hour period. The facility bay doors and other entries were closed during the sampling. The facility owner provided access to the property for sample canister deployment and pick up.

- The sample area temperature and barometric pressure was recorded along with initial canister pressure(s). The canisters pressures upon retrieval were also noted along with temperature and barometric pressure. These values were noted on the Chain of Custody documents.

- The canister identification tag upon retrieval was noted with canister and regulator serial numbers along with date and times of the sampling event. Sample canisters were then placed back into their original shipping containers, custody sealed and shipped via overnight courier service to Test America, Burlington, Vermont.

- Analytical testing used EPA Method TO-15 for volatile organic compounds at appropriate Method Detection Limits (MDL) as compared with IASL benchmarks. Due to the presence of 1,4 dioxane as a COC, the laboratory was notified to include this constituent in the analytical report.

Site Conceptual Model

The site geology and conceptual model (SCM) as previously described has remained essentially unchanged as a result of the indoor air quality assessment. The data results provide evidence in establishing the vapor intrusion pathway of the TCE solvent beneath the building. The TCE plume in the shallow groundwater beneath the plant building had been approximately determined based on historic groundwater monitoring data. The extent of the vapor plume corresponds approximately to the known shallow groundwater impacts, most notably the TCE solvent. The presence of the daughter product COC's does not appear to impact indoor air quality at concentrations above the IASL benchmarks.

The somewhat linear alignment of elevated TCE concentrations less than or equal to ~40 µg/M³ extends from the west side of the building at the former degreasing area toward the east-northeast. The TCE concentrations on either side of the line from the former degreasing area to recovery well EW-3 appears to subside from the approximate center of the building. The data for the enclosed office/breakroom spaces and the truck loading docks on the northern section of the building are significantly lower (~1 to 7 µg/M³).

The TCE concentration indicated at the warehousing/storage area on the southwestern side of the building also shows impacts of low concentrations of lesser COC's such as 1,2,4 TMB, ethylbenzene and naphthalene constituents. These COC concentrations are likely in direct relationship to residual hydrocarbon based impacts associated with the former SWMU 7 area soil removal (March 2012). This area of the property is undergoing active hydrocarbon removal actions by skimming free phase product from the shallow aquifer. Residual hydrocarbon impacted groundwater is also being removed by the skimming actions.

Analytical Results

The analytical testing report provided two sets of detected values for the various COCs for each sample tested. These were noted at concentration equivalents of micrograms per cubic meter (µg/M³) and part per billion by volume (ppb v/v). These data results report two differing concentrations where the ppb v/v includes the molecular weight of each compound and as such the detection limits for µg/M³ will differ from the ppb v/v. Regardless, the ISLA values shown on the Division of Waste Management screening values tables lists reportable concentrations in µg/M³ as an equivalent of parts per billion. Table 1 provides the analytical results for both reported concentrations while Figure 1 presents the site plan with the sample locations and TCE concentrations.

The analytical results indicate the detected presence of TCE in all samples except the outdoor ambient air sample HC-1. The results indicated TCE concentrations ranged from 3.5 to 42 µg/M³. The following is a summary of the TCE concentrations by sample locations within the building.

- HC-1 – Outdoor ambient air sample located on the northeast side of the building within the fenced perimeter driveway easement. The sample canister was placed on the break table beneath a shed type roof. This area is used by employees for outdoor smoking during scheduled breaks. The data indicated non-detected results with a reporting limit of 1.1 µg/M³.
- HC-2 – Located within the unoccupied office space on the eastern side of the building. This area is an open rectangular space with individual offices located along its eastern and western sides. The sample canister was placed in the approximate middle of the large open area on a table. The analytical data indicated a TCE concentration of 3.5 µg/M³.

- HC-3 – Located in the active S&R office area along the northeastern side of the building. This office is within the high ceiling manufacturing area with separate HVAC service from the other unoccupied office space. The ceiling height is at approximately 8-ft and entry is accessed from two interior doors. The analytical data indicated TCE at 5.2 µg/M³.
- HC-4 – Located within the enclosed employee break and lunch room on the northern central parameter wall. Similar to the active office area, the breakroom has an approximate 8-ft ceiling with access through doorways to the building interior. The analytical data indicated TCE at 7.7 µg/M³.
- HC-5 – Located in the approximate center of the main manufacturing building where employees construct wooden crates and shipping containers using electric and pneumatic equipment. The analytical data indicated TCE at 42 µg/M³.
- HC-6 – Located in the former vapor degreasing high bay structure on the west center side of the building. The degreasing equipment had been removed in the past and the only remnant equipment is the industrial boiler system on the north side of the high bay area. Miscellaneous wood crates and pallets are stored in this area. The analytical data indicated TCE at 22 µg/M³.
- HC-7 – Located on the southwestern side of the building in an area used for loading and storage of dimensional lumber and crates ready for shipping. This area is accessed by typical 2 to 5 ton flatbed truck via overhead doors. The analytical data indicated TCE at 18 µg/M³.
- HC-8 – Located in the primary truck loading and unloading docks on the northwestern side of the building. This area has up to six overhead doors on the north and east sides in addition to access for lift trucks. This area also has various air compressors along with maintenance and tool storage for S&R. The analytical data indicated TCE at 6.1 µg/M³.

Other site related COC's identified at concentrations above reporting limits but less than applicable ISLA benchmarks include 1,4 dioxane at between 2.1, 2.3 and 2.4 µg/M³ at locations HC-7, HC-5 and HC-2 respectively (ISLA at 2.45 µg/M³). Trichloroethane (1,1,1 TCA) was indicated at concentrations an order of magnitude less than the 4,380 µg/M³ ISLA benchmark in all samples. The 1,1,1 TCE values ranged from 3.6 µg/M³ at HC-2 to 55 µg/M³ at HC-5. 1,1 DCE and 1,1 DCA were also indicated at very low concentrations as compared with their respective ISLA benchmarks. The 1,1 DCA detected values ranged from 1.2 to 1.6 µg/M³ (ISLA at 7.67 µg/M³) and 1,1 DCE ranged from 0.81 to 3.0 µg/M³ (ISLA at 175 µg/M³). The vinyl chloride constituent was not indicated in any sample above a 0.51 µg/M³ reporting limit.

Other low concentration VOC constituents are indicated in the analytical report at very low µg/M³ values. These various constituents are significantly less than ISLA benchmarks and are not of concern for the indoor air quality. These data are presented on Table 2 as the analytical summary results provided by Test America Laboratory.

Building Survey

The indoor air sample locations were selected to provide an initial evaluation of air quality within the plant building and focused on enclosed office and breakrooms as well as the former degreasing area and current active employee work areas. The DWM indoor air building survey was used as a template to describe the building characteristics in reference to layout, type of construction, floor conditions and air circulation.

The building is approximately 240,000 square feet, concrete tilt wall construction on a concrete slab foundation. The occupied office and break room areas are climate controlled via typical HVAC systems. The air handling units are installed above the active office ceiling with outdoor air supplied by standard flexible ductwork. The building floor was observed to be in good condition with no significant cracks or foundation issues. Expansion joints between large sections of the concrete floor were also in generally good condition without noticeable separation or cracking observed.

The plant roof is mostly flat with differing elevations dependent upon area of the building. Storm water runoff generally drains to the south and west sides of the building via drains which channel water to subsurface drain lines and to the driveway surfaces. Storm water drainage generally flows to the unnamed ditch on the south side of the property or toward Fork Branch (aka the North Creek) on the north side of the property. The orientation of subsurface storm drain lines beneath the building is unknown and there are no construction as-built plans available by both DAA and S&R Packing. CORR previously investigated the exterior storm drains, which are covered with concrete caps. This investigation sought to determine if these drain enclosures were an ongoing source of VOC constituents via sediments and/or remnant solvents. This investigation did not identify any latent solvents or accumulated sediments in the drain boxes.

There are several subdivided areas within the footprint of the building. These include the former vapor degreasing area and boiler room on the west side and maintenance areas to the north also along the west side of the building. The main areas of the plant were formerly used for the various manufacturing services such as sheet metal handling, coil press and tube bending operations, painting and general assembly processes. The plant receiving docks were located on the south side of the building and assembly and manufacturing moved in a general south to north orientation. The outgoing shipping department was formerly located on the north side of the plant building. The placement of the indoor air sampling canisters were selected to provide air quality data for the areas of the building where solvent use was likely during former operations in addition to the current uses of the building such as active manufacturing and office and break rooms.

The attached Figure 1 presents the locations of the air samples, the analytical results for TCE and conceptual isoconcentration contours of the indoor air data. Also attached is the indoor air building survey and sampling form used.

Data Observations

The overall data results indicate low to moderate part per billion concentrations of TCE are present within the plant building and enclosed office spaces. With the exception of the outdoor ambient air sample, all TCE concentrations exceed the IASL regulatory benchmark of 1.75 µg/M³. The distribution of the TCE constituent inside the plant building tends to mirror the known shallow plume geometry beneath the building.

The current semiannual groundwater data (Sept 2015) for the shallow aquifer surrounding the plant building has low TCE concentrations on the periphery of the plant footprint to the north and south as demonstrated by wells MW-22D (<1.0 ppb) and FNW-2A (<1.0 ppb). The approximate center line of the shallow plume brackets between upgradient well MW-2A (1.56 ppb) and FNW-4A (101 ppb) with an east-northeasterly flow direction toward well FNW-3A (52 ppb) and the north creek. Figure 2 presents the TCE isoconcentration map from the September 2015 monitoring report.

The outline of indoor air with TCE concentrations above IASL values has the greatest concentration in the approximate center of the building at HC-5 (42 µg/M³) with approximately one-half this concentration upgradient at HC-6 (22 µg/M³) and much lower values at downgradient location HC-2 (3.5 µg/M³) within the unoccupied office area. The TCE values in the active office and breakroom also appear to be on the outer perimeter of the intrusion zone compared with the center of the building concentrations.

The side gradient concentration indicated at HC-7 (18 µg/M³) as previously stated, is likely an artifact of the former SWMU 7 waste area impacts to the shallow aquifer. Given the removal of highly contaminated soils in early 2012 and the ongoing removal of latent free phase hydrocarbon oil and groundwater from this area (EW-7 and EW-8), the source of the indoor air impacts should continue to abate over time in this area.

The primary impacts associated with indoor air quality appear to source from the former degreasing area and former SWMU 7 which have migrated with shallow groundwater flow toward the center of the building. This migration is likely also influenced by the active groundwater recovery along Sunnyvale Drive which captures impacted groundwater for treatment and discharge.

Permissible Exposure Limits

The OSHA, Permissible Exposure Limits (PEL) for general industry (29 CFR 1910.1000 Z-2 Table) lists 100 mg/m³ (ppm) as an 8-hour Time Weighted Average (TWA), with exposures not to exceed 200 ppm (ceiling) with the following exception: exposures may exceed 200 ppm, but not more than 300 ppm (peak) for a single time period up to 5 minutes in any 2 hour period.

NIOSH considers trichloroethylene to be a potential occupational carcinogen and provides a Recommended Exposure Limit (REL) of 2 ppm (as a 60-minute ceiling) during the usage of TCE as an anesthetic agent and 25 ppm (as a 10-hour TWA) during all other exposures. [Centers for Disease Control and Prevention, NIOSH guide to chemical hazards.]

Conclusions and Recommendations

The data as measured by the indoor air quality testing indicate the vapor intrusion pathway exists within the enclosed building above the IASL benchmarks for trichloroethene. Other site related COC's were not indicated either above the various laboratory reporting limits or the IASL benchmarks. The focus of future activities will necessitate likely mitigation actions to lower the airborne concentration of TCE vapors and to address source related issues from a corrective action standpoint.

From an onsite employee/worker perspective, the concentrations of TCE indicted in the analytical report are significantly lower than the OSHA permissible exposure limit of 100 ppm for an 8-hour time weighted average. The OSHA standard provides for an acceptable exposure benchmark for commercial/industrial settings. The indicated TCE concentrations, relative to employee/worker exposure and current occupational standards, are unlikely to cause adverse health effects under normal working conditions within the building.

The DWM guidance documents point to the need to address the exceedance of the benchmark TCE values within the plant building. The initial sampling data suggest the interior sections of the building have the greatest potential exposure under conditions with little or no fresh air circulation. The sampling was conducted during off-shift hours with all high bay doors closed with minimal fresh outside air exchange over the 24-hour period. Under normal working conditions, with recirculated and fresh air exchange, the solvent concentrations are likely lower.

As a result of these data results, CORR recommends the following actions be considered:

- As required, conduct confirmation sampling to verify the concentrations and distribution of solvent vapors within the plant building including enclosed office and break room areas.
- Begin a process to determine sub slab solvent concentrations to establish the focus of corrective measures and potential mitigation actions.
- Conduct a survey to determine sub floor utility locations, possible preferential pathways such as storm drain lines, electric/plumbing conduits and foundation features. No as-built drawings are available for the sub floor features.

- Use pressure field extension testing to determine the number and placement of potential depressurization or suction points for removal of latent solvent vapors from below the foundation slab.
- Determine probable outflow piping runs and electric requirements concerning the possible use of depressurization techniques to provide appropriate negative pressure beneath the foundation.
- Determine HVAC air exchange ratios needed to provide adequate fresh outdoor air to the enclosed office and breakroom spaces within the building.

These recommendations are offered as an initial step in addressing latent solvent vapor intrusion issues and ultimate mitigation actions at the property. These outlined pre-mitigation tasks, once completed, will be provided to the HWS with a work plan for corrective action implementation. CORR envisions these tasks can be completed in an approximate 90-day period from approval to proceed by HWS.

If you have any questions regarding the intended work tasks for the project in general, please contact me at 972-523-0487 or via email at correri@verizon.net .

Cordially,

CORR Environmental Resources, Inc.

Raymond Roblin, P.G.
Principal

Cc: Mr. Paul Heim – Daikin Applied
Mr. Steve Thompson – S&R

File: c:\CORR\Wilmington\Wil 2016 indoor AQ rpt of findings.doc

DWM INDOOR AIR BUILDING SURVEY
and SAMPLING FORM

Site Name: FORMER HEMCRAFT SITE

~~DSCAID~~#: S+R PACKING / EVATING

Preparer's name: RAY ROBLIN

Date: JAN 8/9, 2014

Preparer's affiliation: CONSULTANT TO DAIKIN APPLIED AM.

Phone #: 972-523-0487

Part I - Occupants

Building Address: 602 SUNNYVALE DR., WILMINGTON, NC 28412

Property Contact: STEVE THOMPSON Owner / Renter / other: _____

Contact's Phone: home ( ) N/A work (919) 792-1515 cell ( ) N/A

# of Building occupants: Children under age 13 0 Children age 13-18 0 Adults ~12 EMPLOYEE'S 8-10 hr SHIFTS

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / commercial / industrial

Describe building: ~240,000 SQ FT MANUF BUILD Year constructed: MID 1960'S

Sensitive population: day care / nursing home / hospital / school / other (specify): N/A

Number of floors below grade: 0 (full basement / crawl space / slab on grade)

Number of floors at or above grade: 1 HIGH BAY INDUSTRIAL BUILDING

Depth of basement below grade surface: N/A ft. Basement size: _____ ft^2

Basement floor construction: concrete / dirt / floating / stone / other (specify): N/A

Foundation walls: poured concrete / cinder blocks / stone / other (specify) TILT WALL CONCRETE

Basement sump present? N/A *Yes / No* Sump pump? *Yes / No* Water in sump? *Yes / No*

Type of heating system (circle all that apply):

hot air circulation	hot air radiation	wood	steam radiation
heat pump	hot water radiation	kerosene heater	electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply): MAIN BUILDING USES CIRCULATING FAN

central air conditioning	mechanical fans	bathroom ventilation fans
individual air conditioning units	kitchen range hood fan	outside air intake

other (specify): _____ OFFICE AREAS USE HVAC

Type of fuel utilized (circle all that apply):

Natural gas / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? N/A *Yes / No*

Is there a whole house fan? N/A *Yes / No*

Septic system? N/A *Yes / Yes (but not used) / No*

Irrigation/private well? N/A *Yes / Yes (but not used) / No*

Type of ground cover outside of building: grass / concrete / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes / No* *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes / No* UNKNOWN BUT, UNLIKELY
Type of barrier: _____

Part III - Outside Contaminant Sources

Other stationary sources nearby (gas stations, emission stacks, etc.): N/A

Heavy vehicular traffic nearby (or other mobile sources): N/A

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	**Location(s)**	**Removed** (Yes / No / NA)
Gasoline storage cans	NONE OBSERVED	
Gas-powered equipment	FORK LIFTS ETC / NATURAL GAS	N
Kerosene storage cans	NONE OBSERVED	
Paints / thinners / strippers	WATER BASED	
Cleaning solvents	NONE OBSERVED	
Oven cleaners	N/A	
Carpet / upholstery cleaners	N/A	
Other house cleaning products	N/A	
Moth balls	N/A	
Polishes / waxes	N/A	
Insecticides	NONE OBSERVED	
Furniture / floor polish	NONE OBSERVED	
Nail polish / polish remover	N/A	
Hairspray	N/A	
Cologne / perfume	N/A	
Air fresheners	N/A	
Fuel tank (inside building)	NONE OBSERVED	NA
Wood stove or fireplace	N/A	NA
New furniture / upholstery	N/A	
New carpeting / flooring	N/A	NA
Hobbies - glues, paints, etc.	N/A	

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / *No* How often? _____

Last time someone smoked in the building? _____ hours / *days* *ago*

Does the building have an attached garage directly connected to living space? *Yes* / *No*

If so, is a car usually parked in the garage? *Yes* / *No* N/A

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes* / *No*

Do the occupants of the building have their clothes dry cleaned? *Yes* / *No*

If yes, how often? weekly / monthly / 3-4 times a year N/A

Do any of the occupants use solvents in work? *Yes* / *No*

If yes, what types of solvents are used? N/A NO SOLVENTS HAVE CURRENTLY USED

If yes, are their clothes washed at work? *Yes* / *No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / No

If so, when and which chemicals? NONE REPORTED

Has there ever been a fire in the building? *Yes* / *No* UNKNOWN If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / *No*

If yes, when _____ and where? WATER BASED PAINTS FOR CRATES / BOXES

Part VI – Sampling Information

Sample Technician: RAY ROBLEN Phone number: (972) 523 - 0487

Sample Source: Indoor Air / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / Stainless Steel Canister / Other (specify): _____

Analytical Method: TO-15 / TO-17 / other: _____ Cert. Laboratory: TEST AMERICA

Sample locations (floor, room): SEE TABLE 1 IN REPORT; 8 TOTAL SAMPLES

Field ID # _____ - _____ Field ID # _____ - _____

Field ID # _____ - _____ Field ID # _____ - _____

Were "Instructions for Occupants" followed? *Yes* / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

SEE FIGURE 1 IN REPORT OF FINDINGS

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes* / *No*

Describe the general weather conditions: CLOUDY COOL, MID 50'S

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

SEE REPORT OF FINDINGS

(Adapted from the NJDEP Vapor Intrusion Guidance, October 2005)

Table 1
Indoor Air Quality Sample Results

Sample #	Concentration	Trichloroethene	RL	1,4-Dioxane	RL	1,1,1-Trichloroethane	RL	1,1-Dichloroethane	RL	1,1-Dichloroethene	RL	Vinyl Chloride	RL
HC-1	ppb v-v	ND	0.2	ND	5	ND	0.2	ND	0.2	ND	0.2	ND	0.2
HC-1	ug/m3	ND	1.1	ND	18	ND	1.1	ND	0.81	ND	0.79	ND	0.51
HC-2	ppb v-v	0.66	0.2	0.65J	5	0.66	0.2	ND	0.2	0.08J	0.2	ND	0.2
HC-2	ug/m3	3.5	1.1	2.4J	18	3.6	1.1	ND	0.81	0.32J	0.79	ND	0.51
HC-3	ppb v-v	0.97	0.2	ND	5	1	0.2	0.059J	0.2	0.14J	0.2	ND	0.2
HC-3	ug/m3	5.2	1.1	ND	18	5.6	1.1	0.24J	0.81	0.55J	0.79	ND	0.51
HC-4	ppb v-v	1.4	0.2	ND	5	1.5	0.2	0.077	0.2	0.2	0.2	ND	0.2
HC-4	ug/m3	7.7	1.1	ND	18	8.4	1.1	0.31J	0.81	0.81	0.79	ND	0.51
HC-5	ppb v-v	7.8	0.2	0.65J	5	10	0.2	0.39	0.2	1.1	0.2	ND	0.2
HC-5	ug/m3	42	1.1	2.3J	18	55	1.1	1.6	0.81	4.4	0.79	ND	0.51
HC-6	ppb v-v	4.1	0.2	ND	5	9.9	0.2	0.31	0.2	0.77	0.2	ND	0.2
HC-6	ug/m3	22	1.1	ND	18	54	1.1	1.2	0.81	3	0.79	ND	0.51
HC-7	ppb v-v	3.3	0.2	0.57J	5	7.5	0.2	0.3	0.2	0.68	0.2	ND	0.2
HC-7	ug/m3	18	1.1	2.1J	18	41	1.1	1.2	0.81	2.7	0.79	ND	0.51
HC-8	ppb v-v	1.1	0.2	ND	5	1.3	0.2	0.06J	0.2	0.16J	0.2	ND	0.2
HC-8	ug/m3	6.1	1.1	ND	18	6.8	1.1	0.24J	0.81	0.65J	0.79	ND	0.51
HC-7 DU	ppb v-v	3.36	0.2	0.577	5	7.73	0.2	0.316	0.2	0.717	0.2	ND	0.2
IASL 1E-06	ug/m3	1.75		2.45		4,380		7.67		175		2.79	

Notes: HC-7 DU, laboratory duplicate sample result.
IASL (A); Indoor Air and Crawlspace Screening Concentrations; TCR = 1.0E-06, THQ = 0.2 [June 2015]
Shaded cells indicate reported concnetrations above IASL benchmarks.
RL = Laboratory reporting limits

Packing and Crating

For:

CORR Environmental Resources Inc

4609 Candlestick Dr

Garland, Texas 75043

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-31514-1
Job Description: S&R Packing and Crating
For:
CORR Environmental Resources Inc
4609 Candlestick Dr
Garland, Texas 75043

Client ID	HC-1			HC-2			HC-3			HC-4			HC-5			HC-6			HC-7			HC-8		
Lab Sample ID	200-31514-8			200-31514-3			200-31514-5			200-31514-4			200-31514-7			200-31514-2			200-31514-1			200-31514-6		
Sampling Date	01/09/2016 16:05:00			09/2016 15:55:00			01/09/2016 16:00:00			01/09/2016 15:58:00			09/2016 15:45:00			01/09/2016 15:38:00			01/09/2016 15:35:00			01/09/2016 15:50:00		
Matrix			Air	Air					Air			Air	Air					Air			Air			Air
Dilution Factor			1	1					1			1	1					1			1			1
Unit			ug/m3	ug/m3					ug/m3			ug/m3	ug/m3					ug/m3			ug/m3			ug/m3
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15																								
1,1,1-Trichloroethane	ND	U	0.25	3.6		0.25	5.6		0.25	8.4		0.25	55		0.25	54		0.25	41		0.25	6.8		0.25
1,1,2,2-Tetrachloroethane	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30
1,1,2-Trichloroethane	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21
1,1-Dichloroethane	ND	U	0.10	ND	U	0.10	0.24	J	0.10	0.31	J	0.10	1.6		0.10	1.2		0.10	1.2		0.10	0.24	J	0.10
1,1-Dichloroethene	ND	U	0.14	0.32	J	0.14	0.55	J	0.14	0.81		0.14	4.4		0.14	3.0		0.14	2.7		0.14	0.65	J	0.14
1,2,4-Trichlorobenzene	ND	U	0.50	ND	U	0.50	ND	U	0.50	ND	U	0.50	ND	U	0.50	ND	U	0.50	ND	U	0.50	ND	U	0.50
1,2,4-Trimethylbenzene	ND	U	0.21	0.94	J	0.21	0.57	J	0.21	0.70	J	0.21	1.9		0.21	0.89	J	0.21	19		0.21	0.72	J	0.21
1,2-Dibromoethane	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30
1,2-Dichlorobenzene	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33
1,2-Dichloroethane	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17
1,2-Dichloroethene, Total	ND	U	0.14	0.44	J	0.14	0.56	J	0.14	0.67	J	0.14	3.0		0.14	2.3		0.14	1.9		0.14	0.48	J	0.14
1,2-Dichloropropane	ND	U	0.12	ND	U	0.12	ND	U	0.12	ND	U	0.12	ND	U	0.12	ND	U	0.12	ND	U	0.12	ND	U	0.12
1,2-Dichlorotetrafluoroethane	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27
1,3,5-Trimethylbenzene	ND	U	0.19	0.21	J	0.19	ND	U	0.19	ND	U	0.19	0.44	J	0.19	ND	U	0.19	4.9		0.19	ND	U	0.19
1,3-Butadiene	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20	0.30	J	0.20	ND	U	0.20	0.21	J	0.20	ND	U	0.20
1,3-Dichlorobenzene	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33
1,4-Dichlorobenzene	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34
1,4-Dioxane	ND	U	2.0	2.4	J	2.0	ND	U	2.0	ND	U	2.0	2.3	J	2.0	ND	U	2.0	2.1	J	2.0	ND	U	2.0
2,2,4-Trimethylpentane	ND	U	0.18	0.36	J	0.18	0.50	J	0.18	0.75	J	0.18	0.35	J	0.18	0.19	J	0.18	9.4		0.18	0.50	J	0.18
2-Chlorotoluene	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	0.79	J	0.17	ND	U	0.17
3-Chloropropene	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21
4-Ethyltoluene	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	7.0		0.22	ND	U	0.22
4-Isopropyltoluene	ND	U	0.20	1.2		0.20	1.7		0.20	2.1		0.20	6.0		0.20	1.9		0.20	0.26	J	0.20	1.1		0.20
Acetone	20		2.0	66		2.0	73		2.0	74		2.0	100	E	2.0	34		2.0	57		2.0	37		2.0
Benzene	0.42	J	0.13	1.0		0.13	0.61		0.13	0.88		0.13	1.0		0.13	0.55	J	0.13	1.3		0.13	0.65		0.13
Benzyl chloride	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27
Bromodichloromethane	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20	ND	U	0.20
Bromoethene(Vinyl Bromide)	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19
Bromoform	ND	U	0.58	ND	U	0.58	ND	U	0.58	ND	U	0.58	ND	U	0.58	ND	U	0.58	ND	U	0.58	ND	U	0.58
Bromomethane	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22
Carbon disulfide	ND	U	0.13	1.2	J	0.13	1.7		0.13	2.8		0.13	1.5	J	0.13	0.78	J	0.13	0.98	J	0.13	1.8		0.13
Carbon tetrachloride	ND	U	0.20	0.31	J	0.20	0.40	J	0.20	0.29	J	0.20	0.35	J	0.20	0.41	J	0.20	0.37	J	0.20	0.40	J	0.20
Chlorobenzene	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23
Chloroethane	ND	U	0.22	0.50	J	0.22	ND	U	0.22	ND	U	0.22	0.24	J	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22
Chloroform	ND	U	0.40	ND	U	0.40	ND	U	0.40	ND	U	0.40	ND	U	0.40	ND	U	0.40	ND	U	0.40	ND	U	0.40
Chloromethane	1.4		0.19	1.6		0.19	1.1		0.19	1.1		0.19	1.2		0.19	1.0	J	0.19	1.3		0.19	1.2		0.19
cis-1,2-Dichloroethene	ND	U	0.14	0.42	J	0.14	0.57	J	0.14	0.69	J	0.14	2.8		0.14	2.3		0.14	1.9		0.14	0.48	J	0.14
cis-1,3-Dichloropropene	ND	U	0.10	ND	U	0.10	ND	U	0.10	ND	U	0.10	ND	U	0.10	ND	U	0.10	ND	U	0.10	ND	U	0.10
Cumene	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	1.3		0.15	ND	U	0.15
Cyclohexane	ND	U	0.13	ND	U	0.13	ND	U	0.13	0.44	J	0.13	0.87		0.13	ND	U	0.13	0.86		0.13	0.16	J	0.13
Dibromochloromethane	ND	U	0.37	ND	U	0.37	ND	U	0.37	ND	U	0.37	ND	U	0.37	ND	U	0.37	ND	U	0.37	ND	U	0.37
Dichlorodifluoromethane	2.2	J	0.40	3.1		0.40	2.6		0.40	2.5		0.40	2.3	J	0.40	2.2	J	0.40	2.3	J	0.40	2.3	J	0.40
Ethylbenzene	ND	U	0.14	ND	U	0.14	0.49	J	0.14	ND	U	0.14	0.55	J	0.14	ND	U	0.14	6.4		0.14	0.40	J	0.14
Freon 22	0.85	J	0.20	1.1	J	0.20	1.3	J	0.20	1.6	J	0.20	1.1	J	0.20	1.0	J	0.20	1.0	J	0.20	0.99	J	0.20
Freon TF	ND	U	0.57	ND	U	0.57	ND	U	0.57	ND	U	0.57	ND	U	0.57	ND	U	0.57	ND	U	0.57	ND	U	0.57
Hexachlorobutadiene	ND	U	0.87	ND	U	0.87	ND	U	0.87	ND	U	0.87	ND	U	0.87	ND	U	0.87	ND	U	0.87	ND	U	0.87
Isopropyl alcohol	ND	U	2.4	7.8	J	2.4	29		2.4	12		2.4	10	J	2.4	3.9	J	2.4	11	J	2.4	5.8	J	2.4
m,p-Xylene	0.36	J	0.31	1.4	J	0.31	1.5	J	0.31	2.1	J	0.31	2.2		0.31	1.1	J	0.31	25		0.31	1.3	J	0.31
Methyl Butyl Ketone (2-Hexanone)	0.51	J	0.23	1.5	J	0.23	1.1	J	0.23	0.66	J	0.23	1.5	J	0.23	0.51	J	0.23	0.72	J	0.23	ND	U	0.23

Table 2
TestAmerica Laboratories, Inc Job ID: 200-31514-1

Job Description: S

Packing and Crating

For:

CORR Environmental Resources Inc

4609 Candlestick Dr

Garland, Texas 75043

Client ID	HC-1			HC-2			HC-3			HC-4			HC-5			HC-6			HC-7			HC-8		
Lab Sample ID	200-31514-8			200-31514-3			200-31514-5			200-31514-4			200-31514-7			200-31514-2			200-31514-1			200-31514-6		
Sampling Date	09/2016 16:05:00			01/09/2016 15:55:00			01/09/2016 16:00:00			01/09/2016 15:58:00			01/09/2016 15:45:00			01/09/2016 15:38:00			01/09/2016 15:35:00			01/09/2016 15:50:00		
Matrix	Air			Air			Air			Air			Air			Air			Air			Air		
Dilution Factor	1			1			1			1			1			1			1			1		
Unit	ug/m3			ug/m3			ug/m3			ug/m3			ug/m3			ug/m3			ug/m3			ug/m3		
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15																								
Methyl Ethyl Ketone	3.3		0.15	8.5		0.15	4.2		0.15	2.7		0.15	8.5		0.15	2.0		0.15	2.8		0.15	1.4	J	0.15
methyl isobutyl ketone	0.98	J	0.20	0.97	J	0.20	0.45	J	0.20	0.41	J	0.20	0.59	J	0.20	ND	U	0.20	0.50	J	0.20	0.33	J	0.20
Methyl methacrylate	ND	U	0.16	ND	U	0.16	ND	U	0.16	ND	U	0.16	1.3	J	0.16	ND	U	0.16	ND	U	0.16	ND	U	0.16
Methyl tert-butyl ether	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32
Methylene Chloride	ND	U	0.63	0.88	J	0.63	0.92	J	0.63	0.84	J	0.63	0.90	J	0.63	0.83	J	0.63	0.94	J	0.63	0.80	J	0.63
Naphthalene	ND	U	0.30	ND	U	0.30	ND	U	0.30	ND	U	0.30	0.93	J	0.30	ND	U	0.30	0.89	J	0.30	0.44	J	0.30
n-Butane	1.3		0.19	5.1		0.19	7.0		0.19	13		0.19	5.6		0.19	2.6		0.19	4.3		0.19	7.2		0.19
n-Butylbenzene	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND	U	0.26	0.49	J	0.26	ND	U	0.26
n-Heptane	ND	U	0.16	1.8		0.16	1.5		0.16	1.7		0.16	1.6		0.16	0.68	J	0.16	2.2		0.16	1.0		0.16
n-Hexane	0.35	J	0.19	1.0		0.19	1.1		0.19	1.6		0.19	1.1		0.19	0.39	J	0.19	1.2		0.19	0.92		0.19
n-Propylbenzene	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	3.7		0.21	ND	U	0.21
sec-Butylbenzene	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24
Styrene	ND	U	0.18	0.20	J	0.18	ND	U	0.18	0.23	J	0.18	0.20	J	0.18	ND	U	0.18	0.28	J	0.18	ND	U	0.18
tert-Butyl alcohol	ND	U	2.6	ND	U	2.6	ND	U	2.6	ND	U	2.6	ND	U	2.6	ND	U	2.6	ND	U	2.6	ND	U	2.6
tert-Butylbenzene	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24
Tetrachloroethene	0.20	J	0.16	ND	U	0.16	0.24	J	0.16	0.23	J	0.16	0.25	J	0.16	0.27	J	0.16	11		0.16	0.19	J	0.16
Tetrahydrofuran	ND	U	4.1	ND	U	4.1	ND	U	4.1	ND	U	4.1	6.5	J	4.1	ND	U	4.1	ND	U	4.1	ND	U	4.1
Toluene	0.56	J	0.35	4.4		0.35	5.1		0.35	6.1		0.35	5.4		0.35	2.2		0.35	34		0.35	3.5		0.35
trans-1,2-Dichloroethene	ND	U	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17	0.23	J	0.17	ND	U	0.17	ND	U	0.17	ND	U	0.17
trans-1,3-Dichloropropene	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15	ND	U	0.15
Trichloroethene	ND	U	0.21	3.5		0.21	5.2		0.21	7.7		0.21	42		0.21	22		0.21	18		0.21	6.1		0.21
Trichlorofluoromethane	1.1	J	0.21	1.1	J	0.21	1.2		0.21	1.0	J	0.21	1.0	J	0.21	1.0	J	0.21	1.1		0.21	1.0	J	0.21
Vinyl chloride	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082
Xylene (total)	0.36	J	0.16	2.0	J	0.16	1.5	J	0.16	2.9	J	0.16	3.0	J	0.16	1.5	J	0.16	34		0.16	1.8	J	0.16
Xylene, o-	ND	U	0.16	0.51	J	0.16	ND	U	0.16	0.75	J	0.16	0.76	J	0.16	0.41	J	0.16	9.4		0.16	0.46	J	0.16

E : Result exceeded calibration range.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Packing and Crating

For:

CORR Environmental Resources Inc

4609 Candlestick Dr

Garland, Texas 75043

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUMMARY OF ANALYTICAL RESULTS: 200-31514-1
Job Description: S&R Packing and Crating
For:
CORR Environmental Resources Inc
4609 Candlestick Dr
Garland, Texas 75043

Client ID	HC-7			HC-6			HC-2			HC-4			HC-3			HC-8			HC-5			HC-1		
Lab Sample ID	200-31514-1			200-31514-2			200-31514-3			200-31514-4			200-31514-5			200-31514-6			200-31514-7			200-31514-8		
Sampling Date	01/09/2016 15:35:00			01/09/2016 15:38:00			01/09/2016 15:55:00			01/09/2016 15:58:00			01/09/2016 16:00:00			01/09/2016 15:50:00			01/09/2016 15:45:00			01/09/2016 16:05:00		
Matrix	Air			Air			Air			Air			Air			Air			Air			Air		
Dilution Factor	1			1			1			1			1			1			1			1		
Unit	ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-PPB V/V	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15																								
1,1,1-Trichloroethane	7.5		0.046	9.9		0.046	0.66		0.046	1.5		0.046	1.0		0.046	1.3		0.046	10		0.046	ND	U	0.046
1,1,2,2-Tetrachloroethane	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
1,1,2-Trichloroethane	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039
1,1-Dichloroethane	0.30		0.025	0.31		0.025	ND	U	0.025	0.077	J	0.025	0.059	J	0.025	0.060	J	0.025	0.39		0.025	ND	U	0.025
1,1-Dichloroethene	0.68		0.036	0.77		0.036	0.080	J	0.036	0.20		0.036	0.14	J	0.036	0.16	J	0.036	1.1		0.036	ND	U	0.036
1,2,4-Trichlorobenzene	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068
1,2,4-Trimethylbenzene	3.9		0.043	0.18	J	0.043	0.19	J	0.043	0.14	J	0.043	0.12	J	0.043	0.15	J	0.043	0.39		0.043	ND	U	0.043
1,2-Dibromoethane	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039
1,2-Dichlorobenzene	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055
1,2-Dichloroethane	ND	U	0.041	ND	U	0.041	ND	U	0.041	ND	U	0.041	ND	U	0.041	ND	U	0.041	ND	U	0.041	ND	U	0.041
1,2-Dichloroethene, Total	0.48		0.035	0.57		0.035	0.11	J	0.035	0.17	J	0.035	0.14	J	0.035	0.12	J	0.035	0.77		0.035	ND	U	0.035
1,2-Dichloropropane	ND	U	0.027	ND	U	0.027	ND	U	0.027	ND	U	0.027	ND	U	0.027	ND	U	0.027	ND	U	0.027	ND	U	0.027
1,2-Dichlorotetrafluoroethane	ND	U	0.038	ND	U	0.038	ND	U	0.038	ND	U	0.038	ND	U	0.038	ND	U	0.038	ND	U	0.038	ND	U	0.038
1,3,5-Trimethylbenzene	1.0		0.039	ND	U	0.039	0.043	J	0.039	ND	U	0.039	ND	U	0.039	ND	U	0.039	0.089	J	0.039	ND	U	0.039
1,3-Butadiene	0.094	J	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	0.14	J	0.089	ND	U	0.089
1,3-Dichlorobenzene	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055	ND	U	0.055
1,4-Dichlorobenzene	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057
1,4-Dioxane	0.57	J	0.56	ND	U	0.56	0.65	J	0.56	ND	U	0.56	ND	U	0.56	ND	U	0.56	0.65	J	0.56	ND	U	0.56
2,2,4-Trimethylpentane	2.0		0.039	0.041	J	0.039	0.078	J	0.039	0.16	J	0.039	0.11	J	0.039	0.11	J	0.039	0.076	J	0.039	ND	U	0.039
2-Chlorotoluene	0.15	J	0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033
3-Chloropropene	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068	ND	U	0.068
4-Ethyltoluene	1.4		0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
4-Isopropyltoluene	0.047	J	0.037	0.35		0.037	0.23		0.037	0.38		0.037	0.31		0.037	0.20		0.037	1.1		0.037	ND	U	0.037
Acetone	24		0.86	14		0.86	28		0.86	31		0.86	31		0.86	15		0.86	42	E	0.86	8.5		0.86
Benzene	0.41		0.042	0.17	J	0.042	0.38		0.042	0.27		0.042	0.25		0.042	0.20		0.042	0.32		0.042	0.13	J	0.042
Benzyl chloride	ND	U	0.053	ND	U	0.053	ND	U	0.053	ND	U	0.053	ND	U	0.053	ND	U	0.053	ND	U	0.053	ND	U	0.053
Bromodichloromethane	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030
Bromoethene(Vinyl Bromide)	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
Bromoform	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056
Bromomethane	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056	ND	U	0.056
Carbon disulfide	0.31	J	0.043	0.25	J	0.043	0.39	J	0.043	0.89		0.043	0.55		0.043	0.59		0.043	0.49	J	0.043	ND	U	0.043
Carbon tetrachloride	0.058	J	0.032	0.064	J	0.032	0.050	J	0.032	0.046	J	0.032	0.063	J	0.032	0.063	J	0.032	0.055	J	0.032	ND	U	0.032
Chlorobenzene	ND	U	0.049	ND	U	0.049	ND	U	0.049	ND	U	0.049	ND	U	0.049	ND	U	0.049	ND	U	0.049	ND	U	0.049
Chloroethane	ND	U	0.085	ND	U	0.085	0.19	J	0.085	ND	U	0.085	ND	U	0.085	ND	U	0.085	0.091	J	0.085	ND	U	0.085
Chloroform	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082
Chloromethane	0.61		0.093	0.49	J	0.093	0.78		0.093	0.55		0.093	0.53		0.093	0.59		0.093	0.61		0.093	0.69		0.093
cis-1,2-Dichloroethene	0.48		0.035	0.57		0.035	0.11	J	0.035	0.17	J	0.035	0.14	J	0.035	0.12	J	0.035	0.71		0.035	ND	U	0.035
cis-1,3-Dichloropropene	ND	U	0.023	ND	U	0.023	ND	U	0.023	ND	U	0.023	ND	U	0.023	ND	U	0.023	ND	U	0.023	ND	U	0.023
Cumene	0.26		0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030	ND	U	0.030
Cyclohexane	0.25		0.039	ND	U	0.039	ND	U	0.039	0.13	J	0.039	ND	U	0.039	0.046	J	0.039	0.25		0.039	ND	U	0.039
Dibromochloromethane	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
Dichlorodifluoromethane	0.47	J	0.080	0.45	J	0.080	0.62		0.080	0.50		0.080	0.52		0.080	0.46	J	0.080	0.46	J	0.080	0.44	J	0.080
Ethylbenzene	1.5		0.033	ND	U	0.033	ND	U	0.033	ND	U	0.033	0.11	J	0.033	0.091	J	0.033	0.13	J	0.033	ND	U	0.033
Freon 22	0.28	J	0.057	0.29	J	0.057	0.31	J	0.057	0.44	J	0.057	0.37	J	0.057	0.28	J	0.057	0.32	J	0.057	0.24	J	0.057
Freon TF	ND	U	0.075	ND	U	0.075	ND	U	0.075	ND	U	0.075	ND	U	0.075	ND	U	0.075	ND	U	0.075	ND	U	0.075
Hexachlorobutadiene	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082	ND	U	0.082
Isopropyl alcohol	4.3	J	0.98	1.6	J	0.98	3.2	J	0.98	5.0		0.98	12		0.98	2.3	J	0.98	4.3	J	0.98	ND	U	0.98
m,p-Xylene	5.7		0.071	0.26	J	0.071	0.33	J	0.071	0.49	J	0.071	0.35	J	0.071	0.30	J	0.071	0.50		0.071	0.083	J	0.071
Methyl Butyl Ketone (2-Hexanone)	0.18	J	0.057	0.12	J	0.057	0.37	J	0.057	0.16	J	0.057	0.27	J	0.057	ND	U	0.057	0.37	J	0.057	0.12	J	0.057

Table 2
TestAmerica Laboratories, Inc Job ID: 200-31514-1

Job Description: S

Packing and Crating

For:

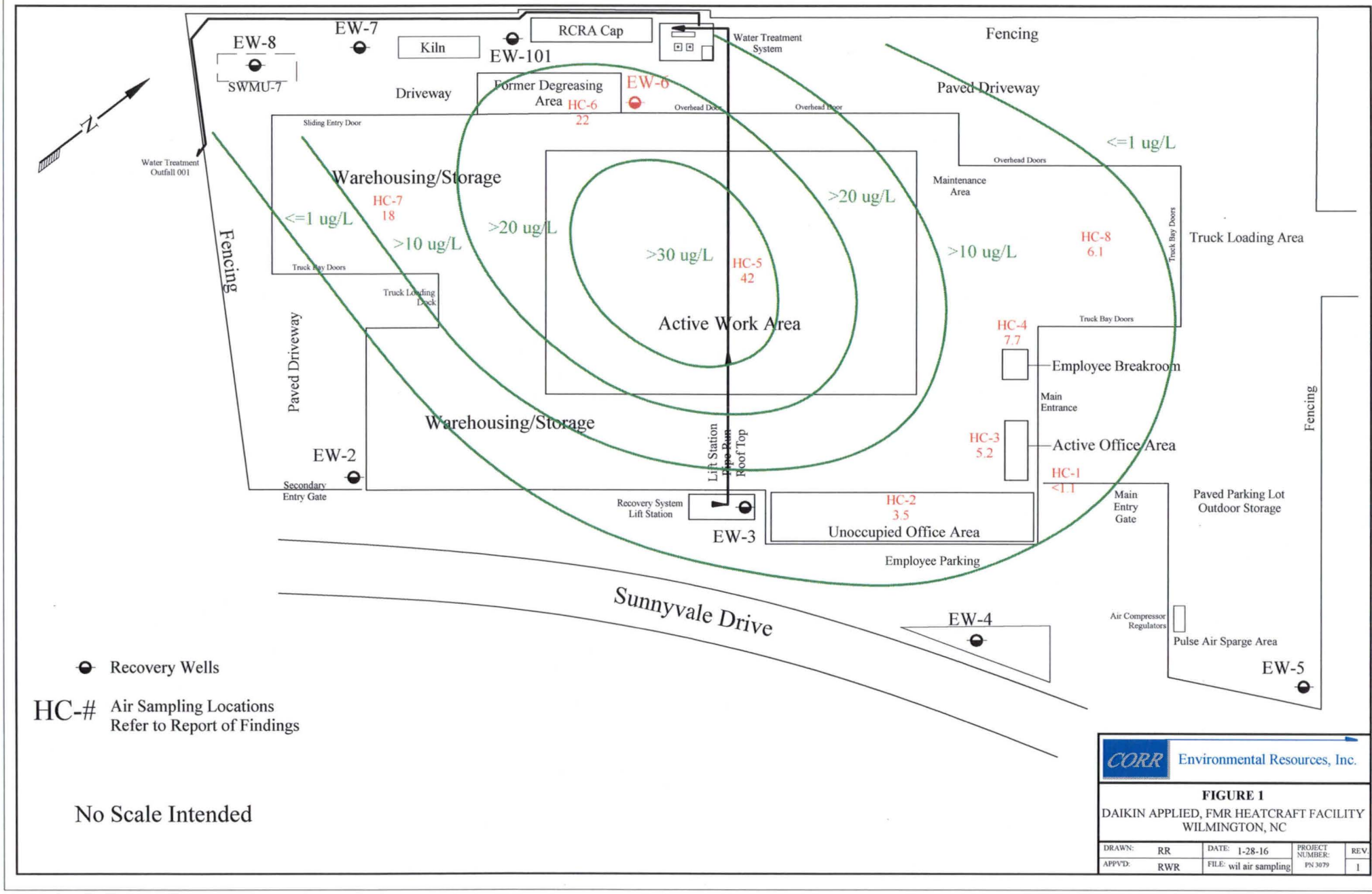
CORR Environmental Resources Inc

4609 Candlestick Dr

Garland, Texas 75043

Client ID	HC-7			HC-6			HC-2			HC-4			HC-3			HC-8			HC-5			HC-1		
Lab Sample ID	200-31514-1			200-31514-2			200-31514-3			200-31514-4			200-31514-5			200-31514-6			200-31514-7			200-31514-8		
Sampling Date	09/2016 15:35:00			01/09/2016 15:38:00			01/09/2016 15:55:00			01/09/2016 15:58:00			01/09/2016 16:00:00			01/09/2016 15:50:00			01/09/2016 15:45:00			01/09/2016 16:05:00		
Matrix	Air			Air			Air			Air			Air			Air			Air			Air		
Dilution Factor	1			1			1			1			1			1			1			1		
Unit	ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v			ppb v/v		
AIR - GC/MS VOA-TO-15-PPB V/V	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15																								
Methyl Ethyl Ketone	0.96		0.052	0.68		0.052	2.9		0.052	0.90		0.052	1.4		0.052	0.49	J	0.052	2.9		0.052	1.1		0.052
methyl isobutyl ketone	0.12	J	0.050	ND	U	0.050	0.24	J	0.050	0.10	J	0.050	0.11	J	0.050	0.082	J	0.050	0.15	J	0.050	0.24	J	0.050
Methyl methacrylate	ND	U	0.040	ND	U	0.040	ND	U	0.040	ND	U	0.040	ND	U	0.040	ND	U	0.040	0.32	J	0.040	ND	U	0.040
Methyl tert-butyl ether	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089	ND	U	0.089
Methylene Chloride	0.27	J	0.18	0.24	J	0.18	0.25	J	0.18	0.24	J	0.18	0.26	J	0.18	0.23	J	0.18	0.26	J	0.18	ND	U	0.18
Naphthalene	0.17	J	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	ND	U	0.057	0.083	J	0.057	0.18	J	0.057	ND	U	0.057
n-Butane	1.8		0.078	1.1		0.078	2.1		0.078	5.4		0.078	3.0		0.078	3.0		0.078	2.4		0.078	0.56		0.078
n-Butylbenzene	0.089	J	0.047	ND	U	0.047	ND	U	0.047	ND	U	0.047	ND	U	0.047	ND	U	0.047	ND	U	0.047	ND	U	0.047
n-Heptane	0.54		0.040	0.17	J	0.040	0.43		0.040	0.43		0.040	0.36		0.040	0.25		0.040	0.40		0.040	ND	U	0.040
n-Hexane	0.33		0.054	0.11	J	0.054	0.30		0.054	0.46		0.054	0.33		0.054	0.26		0.054	0.31		0.054	0.099	J	0.054
n-Propylbenzene	0.76		0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043
sec-Butylbenzene	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
Styrene	0.067	J	0.043	ND	U	0.043	0.046	J	0.043	0.055	J	0.043	ND	U	0.043	ND	U	0.043	0.046	J	0.043	ND	U	0.043
tert-Butyl alcohol	ND	U	0.85	ND	U	0.85	ND	U	0.85	ND	U	0.85	ND	U	0.85	ND	U	0.85	ND	U	0.85	ND	U	0.85
tert-Butylbenzene	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044	ND	U	0.044
Tetrachloroethene	1.6		0.023	0.039	J	0.023	ND	U	0.023	0.034	J	0.023	0.035	J	0.023	0.027	J	0.023	0.037	J	0.023	0.030	J	0.023
Tetrahydrofuran	ND	U	1.4	ND	U	1.4	ND	U	1.4	ND	U	1.4	ND	U	1.4	ND	U	1.4	2.2	J	1.4	ND	U	1.4
Toluene	9.1		0.093	0.58		0.093	1.2		0.093	1.6		0.093	1.4		0.093	0.94		0.093	1.4		0.093	0.15	J	0.093
trans-1,2-Dichloroethene	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	ND	U	0.043	0.059	J	0.043	ND	U	0.043
trans-1,3-Dichloropropene	ND	U	0.034	ND	U	0.034	ND	U	0.034	ND	U	0.034	ND	U	0.034	ND	U	0.034	ND	U	0.034	ND	U	0.034
Trichloroethene	3.3		0.039	4.1		0.039	0.66		0.039	1.4		0.039	0.97		0.039	1.1		0.039	7.8		0.039	ND	U	0.039
Trichlorofluoromethane	0.20		0.038	0.18	J	0.038	0.19	J	0.038	0.18	J	0.038	0.21		0.038	0.18	J	0.038	0.18	J	0.038	0.19	J	0.038
Vinyl chloride	ND	U	0.032	ND	U	0.032	ND	U	0.032	ND	U	0.032	ND	U	0.032	ND	U	0.032	ND	U	0.032	ND	U	0.032
Xylene (total)	7.9		0.037	0.36	J	0.037	0.45	J	0.037	0.66	J	0.037	0.35	J	0.037	0.41	J	0.037	0.68	J	0.037	0.083	J	0.037
Xylene, o-	2.2		0.037	0.095	J	0.037	0.12	J	0.037	0.17	J	0.037	ND	U	0.037	0.11	J	0.037	0.18	J	0.037	ND	U	0.037

E : Result exceeded calibration range.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

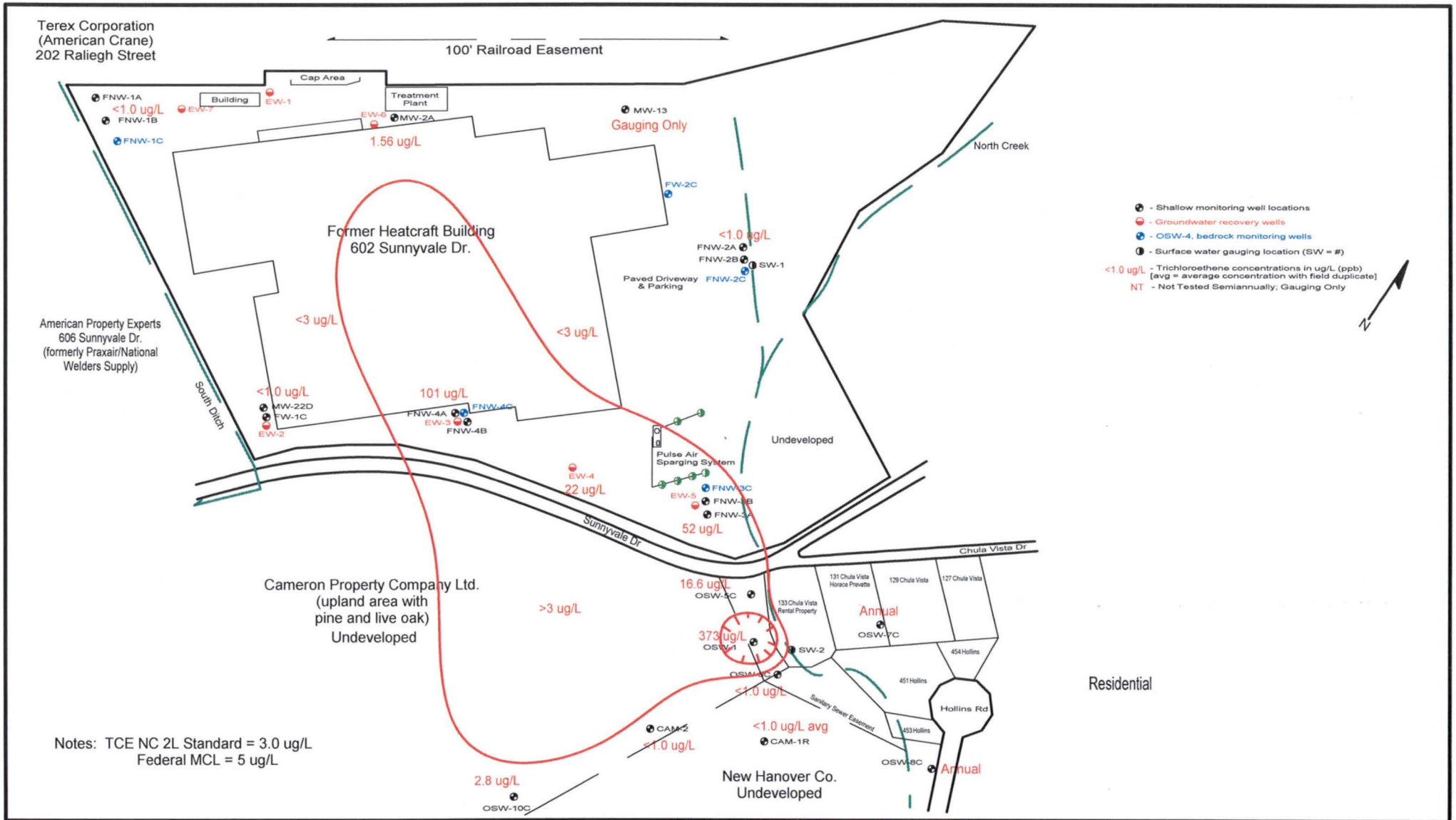


CORR Environmental Resources, Inc.

FIGURE 1

DAIKIN APPLIED, FMR HEATCRAFT FACILITY
WILMINGTON, NC

DRAWN: RR	DATE: 1-28-16	PROJECT NUMBER:	REV.
APPV'D: RWR	FILE: wil air sampling	PN 3079	1



CORR ENVIRONMENTAL RESOURCES, INC.

4609 Candlestick, Garland, Tx 75043

APPROVED BY: RAYMOND W ROBLIN, PG

DATE:	Nov 27, 2015
DESIGNED BY:	RWR
CHECKED BY:	RWR
DRAWING NO.:	Shall Pot, 9-15
PROJECT:	ARN 3079 (15)

REV. NO	DATE	COMMENT
0	5-13-13	Initial drawing with OSW-7 and OSW-8
1	3-20-14	Revised isoconcentration map.
2	4-15-15	Revised isoconcentration map.
3	11-27-15	Revised isoconcentration map, Sept 15; add OSW-10C

NO SCALE INTENDED

FIGURE 2
SHALLOW AQUIFER TCE ISOCONCENTRATION MAP

Former HeatCraft Facility
Wilmington, North Carolina

FILE: C:\CORR\DAA\WILM\15CADD\Shall TCE Map; 9-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-31514-1
TestAmerica Sample Delivery Group: 200-31514
Client Project/Site: S&R Packing and Crating

For:
CORR Environmental Resources Inc
4609 Candlestick Dr
Garland, Texas 75043

Attn: Ray Roblin

Authorized for release by:
1/19/2016 11:17:36 AM

Kathryn Kelly, Project Manager I
(802)660-1990
kathryn.kelly@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 200-31514-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: CORR Environmental Resources Inc

Project: S&R Packing and Crating

Report Number: 200-31514-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 01/12/2016; the samples arrived in good condition.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HC-7, HC-6, HC-2, HC-4, HC-3, HC-8, HC-5 and HC-1. The container labels list 01/09/2016 while the COC lists 01/08/2016.

VOLATILE ORGANIC COMPOUNDS
Samples HC-7, HC-6, HC-2, HC-4, HC-3, HC-8, HC-5 and HC-1 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 01/14/2016.

The concentration(s) of Acetone in the following sample exceeded the calibration range of the instrument in sample HC-5. The client was contacted and the sample was analyzed with minimum dilution even though some analytes were outside of the calibration range.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7 — Lab Sample ID: 200-31514-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.47	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.28	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.61		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	1.8		0.50	0.078	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.094	J	0.20	0.089	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.68		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	24		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.3	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.31	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.27	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.33		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.30		0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.96		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.48		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.48		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	7.5		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.25		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.058	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	2.0		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.41		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.54		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	3.3		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.57	J	5.0	0.56	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.12	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	9.1		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.6		0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.18	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.5		0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	5.7		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	2.2		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	7.9		0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.067	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
Cumene	0.26		0.20	0.030	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.76		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	1.4		0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.0		0.20	0.039	ppb v/v	1		TO-15	Total/NA
2-Chlorotoluene	0.15	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.9		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.047	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.089	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.17	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.0	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.3		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	4.3		1.2	0.19	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.21	J	0.44	0.20	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	2.7		0.79	0.14	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7 (Continued) — Lab Sample ID: 200-31514-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	57		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	11	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.98	J	1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.94	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.2		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	1.2		0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.8		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.9		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.9		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	41		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.86		0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.37	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	9.4		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.3		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	2.2		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	18		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	2.1	J	18	2.0	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.50	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	34		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	11		1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.72	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	6.4		0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	25		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	9.4		0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	34		3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.28	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
Cumene	1.3		0.98	0.15	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	3.7		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	7.0		0.98	0.22	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	4.9		0.98	0.19	ug/m3	1		TO-15	Total/NA
2-Chlorotoluene	0.79	J	1.0	0.17	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	19		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.26	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.49	J	1.1	0.26	ug/m3	1		TO-15	Total/NA
Naphthalene	0.89	J	2.6	0.30	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-6 — Lab Sample ID: 200-31514-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.45	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.29	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.49	J	0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	1.1		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.77		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	14		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.6	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.25	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.11	J	0.20	0.054	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-6 (Continued) — Lab Sample ID: 200-31514-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.31		0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.68		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.57		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.57		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	9.9		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.064	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.041	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.17	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.17	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	4.1		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Toluene	0.58		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.039	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.12	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.26	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.095	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.36	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.18	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.35		0.20	0.037	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.0	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0	J	1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	2.6		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	3.0		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	34		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	3.9	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.78	J	1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.83	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.39	J	0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	1.2		0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.0		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.3		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.3		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	54		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.41	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.19	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.55	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	0.68	J	0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	22		1.1	0.21	ug/m3	1		TO-15	Total/NA
Toluene	2.2		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.27	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.51	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.1	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.41	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.5	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.89	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	1.9		1.1	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-2 — Lab Sample ID: 200-31514-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.62		0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.31	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.78		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	2.1		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Chloroethane	0.19	J	0.50	0.085	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.080	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	28		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	3.2	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.39	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.25	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.30		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.9		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.11	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.11	J	0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.66		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.050	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.078	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.38		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.43		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.66		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.65	J	5.0	0.56	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.24	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	1.2		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.37	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.33	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.12	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.45	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.046	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.043	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.19	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.23		0.20	0.037	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.1		2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.1	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.6		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	5.1		1.2	0.19	ug/m3	1		TO-15	Total/NA
Chloroethane	0.50	J	1.3	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.32	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	66		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	7.8	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.2	J	1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.88	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.0		0.70	0.19	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	8.5		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.42	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.44	J	1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.6		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.31	J	1.3	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-2 (Continued) — Lab Sample ID: 200-31514-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	0.36	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.2		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	1.8		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.5		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	2.4	J	18	2.0	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.97	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	4.4		0.75	0.35	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.5	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.4	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.51	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.0	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.20	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.21	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.94	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	1.2		1.1	0.20	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-4 — Lab Sample ID: 200-31514-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.50		0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.44	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.55		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	5.4		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.20		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	31		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	5.0		5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.89		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.46		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.077	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.90		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.17	J	0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.5		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.13	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.046	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.16	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.27		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.43		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.4		0.20	0.039	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.10	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	1.6		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.034	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.49	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.17	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.66	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.055	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.14	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-4 (Continued) — Lab Sample ID: 200-31514-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	0.38		0.20	0.037	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.5		2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.6	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	13		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.81		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	74		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	12		12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.8		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.84	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.6		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.31	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.7		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.69	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.67	J	1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	8.4		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.44	J	0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.29	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.75	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.88		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	1.7		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	7.7		1.1	0.21	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.41	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	6.1		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.23	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.66	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.1	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.75	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.9	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.23	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.70	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	2.1		1.1	0.20	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-3 — Lab Sample ID: 200-31514-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.52		0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.37	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.53		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	3.0		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.14	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	31		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	12		5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.55		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.26	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.33		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.059	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-3 (Continued) — Lab Sample ID: 200-31514-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Ethyl Ketone	1.4		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.14	J	0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.0		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.063	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.11	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.25		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.36		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.97		0.20	0.039	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.11	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	1.4		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.035	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.27	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.11	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.35	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.35	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.12	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.31		0.20	0.037	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.6		2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.3	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	7.0		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.55	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	73		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	29		12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.7		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.92	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.1		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.24	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.2		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.57	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.56	J	1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	5.6		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.40	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.50	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.81		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	1.5		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	5.2		1.1	0.21	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.45	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	5.1		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.24	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.1	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.49	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.5	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.5	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.57	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	1.7		1.1	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-8 — Lab Sample ID: 200-31514-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.46	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.28	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.59		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	3.0		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.16	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	15		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.3	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.59		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.23	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.26		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.060	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.49	J	0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.12	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.12	J	0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.3		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.046	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.063	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.11	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.20		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.25		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.1		0.20	0.039	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.082	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	0.94		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.027	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.091	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.30	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.11	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.41	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.15	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.20		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.083	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	0.99	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	7.2		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.65	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	37		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	5.8	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.8		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.80	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.92		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.24	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.4	J	1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.48	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.48	J	1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	6.8		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.16	J	0.69	0.13	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-8 (Continued) — Lab Sample ID: 200-31514-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.40	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.50	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.65		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	1.0		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	6.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.33	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	3.5		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.19	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.40	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.3	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.46	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	1.8	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.72	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	1.1		1.1	0.20	ug/m3	1		TO-15	Total/NA
Naphthalene	0.44	J	2.6	0.30	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-5 — Lab Sample ID: 200-31514-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.46	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.32	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.61		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	2.4		0.50	0.078	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.14	J	0.20	0.089	ppb v/v	1		TO-15	Total/NA
Chloroethane	0.091	J	0.50	0.085	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	1.1		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	42	E	5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.3	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.49	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.26	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.059	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.31		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.39		0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.9		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.71		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.77		0.40	0.035	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	2.2	J	5.0	1.4	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	10		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.25		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.055	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.076	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.32		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.40		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	7.8		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.32	J	0.50	0.040	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.65	J	5.0	0.56	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.15	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	1.4		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.037	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-5 (Continued) — Lab Sample ID: 200-31514-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Butyl Ketone (2-Hexanone)	0.37	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.13	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.50		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.18	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.68	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.046	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.089	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.39		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	1.1		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.18	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	1.1	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	5.6		1.2	0.19	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.30	J	0.44	0.20	ug/m3	1		TO-15	Total/NA
Chloroethane	0.24	J	1.3	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	4.4		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	100	E	12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	10	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.5	J	1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.90	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.23	J	0.79	0.17	ug/m3	1		TO-15	Total/NA
n-Hexane	1.1		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	1.6		0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	8.5		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.8		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	3.0		1.6	0.14	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	6.5	J	15	4.1	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	55		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.87		0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.35	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.35	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.0		0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	1.6		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	42		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	1.3	J	2.0	0.16	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	2.3	J	18	2.0	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.59	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	5.4		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.25	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.5	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.55	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.2		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.76	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	3.0	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.20	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.44	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.9		0.98	0.21	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-5 (Continued) — Lab Sample ID: 200-31514-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	6.0		1.1	0.20	ug/m3	1		TO-15	Total/NA
Naphthalene	0.93	J	2.6	0.30	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-1 — Lab Sample ID: 200-31514-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.44	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.24	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.69		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	0.56		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	8.5		5.0	0.86	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.099	J	0.20	0.054	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.1		0.50	0.052	ppb v/v	1		TO-15	Total/NA
Benzene	0.13	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.24	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	0.15	J	0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.030	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.12	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.083	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.083	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	0.85	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.4		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	1.3		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
Acetone	20		12	2.0	ug/m3	1		TO-15	Total/NA
n-Hexane	0.35	J	0.70	0.19	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.3		1.5	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.42	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.98	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	0.56	J	0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.20	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.51	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.36	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.36	J	3.0	0.16	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7

Date Collected: 01/09/16 15:35
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.47**	**J**	0.50	0.080	ppb v/v			01/14/16 16:12	1
Freon 22	**0.28**	**J**	0.50	0.057	ppb v/v			01/14/16 16:12	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 16:12	1
Chloromethane	**0.61**		0.50	0.093	ppb v/v			01/14/16 16:12	1
n-Butane	**1.8**		0.50	0.078	ppb v/v			01/14/16 16:12	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 16:12	1
1,3-Butadiene	**0.094**	**J**	0.20	0.089	ppb v/v			01/14/16 16:12	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 16:12	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 16:12	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 16:12	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			01/14/16 16:12	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 16:12	1
1,1-Dichloroethene	**0.68**		0.20	0.036	ppb v/v			01/14/16 16:12	1
Acetone	**24**		5.0	0.86	ppb v/v			01/14/16 16:12	1
Isopropyl alcohol	**4.3**	**J**	5.0	0.98	ppb v/v			01/14/16 16:12	1
Carbon disulfide	**0.31**	**J**	0.50	0.043	ppb v/v			01/14/16 16:12	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 16:12	1
Methylene Chloride	**0.27**	**J**	0.50	0.18	ppb v/v			01/14/16 16:12	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 16:12	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 16:12	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 16:12	1
n-Hexane	**0.33**		0.20	0.054	ppb v/v			01/14/16 16:12	1
1,1-Dichloroethane	**0.30**		0.20	0.025	ppb v/v			01/14/16 16:12	1
Methyl Ethyl Ketone	**0.96**		0.50	0.052	ppb v/v			01/14/16 16:12	1
cis-1,2-Dichloroethene	**0.48**		0.20	0.035	ppb v/v			01/14/16 16:12	1
1,2-Dichloroethene, Total	**0.48**		0.40	0.035	ppb v/v			01/14/16 16:12	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 16:12	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 16:12	1
1,1,1-Trichloroethane	**7.5**		0.20	0.046	ppb v/v			01/14/16 16:12	1
Cyclohexane	**0.25**		0.20	0.039	ppb v/v			01/14/16 16:12	1
Carbon tetrachloride	**0.058**	**J**	0.20	0.032	ppb v/v			01/14/16 16:12	1
2,2,4-Trimethylpentane	**2.0**		0.20	0.039	ppb v/v			01/14/16 16:12	1
Benzene	**0.41**		0.20	0.042	ppb v/v			01/14/16 16:12	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 16:12	1
n-Heptane	**0.54**		0.20	0.040	ppb v/v			01/14/16 16:12	1
Trichloroethene	**3.3**		0.20	0.039	ppb v/v			01/14/16 16:12	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 16:12	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 16:12	1
1,4-Dioxane	**0.57**	**J**	5.0	0.56	ppb v/v			01/14/16 16:12	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 16:12	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 16:12	1
methyl isobutyl ketone	**0.12**	**J**	0.50	0.050	ppb v/v			01/14/16 16:12	1
Toluene	**9.1**		0.20	0.093	ppb v/v			01/14/16 16:12	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 16:12	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 16:12	1
Tetrachloroethene	**1.6**		0.20	0.023	ppb v/v			01/14/16 16:12	1
Methyl Butyl Ketone (2-Hexanone)	**0.18**	**J**	0.50	0.057	ppb v/v			01/14/16 16:12	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 16:12	1

Client Sample ID: HC-7

Lab Sample ID: 200-31514-1

Date Collected: 01/09/16 15:35
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 16:12	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 16:12	1
Ethylbenzene	**1.5**		0.20	0.033	ppb v/v			01/14/16 16:12	1
m,p-Xylene	**5.7**		0.50	0.071	ppb v/v			01/14/16 16:12	1
Xylene, o-	**2.2**		0.20	0.037	ppb v/v			01/14/16 16:12	1
Xylene (total)	**7.9**		0.70	0.037	ppb v/v			01/14/16 16:12	1
Styrene	**0.067**	**J**	0.20	0.043	ppb v/v			01/14/16 16:12	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 16:12	1
Cumene	**0.26**		0.20	0.030	ppb v/v			01/14/16 16:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 16:12	1
n-Propylbenzene	**0.76**		0.20	0.043	ppb v/v			01/14/16 16:12	1
4-Ethyltoluene	**1.4**		0.20	0.044	ppb v/v			01/14/16 16:12	1
1,3,5-Trimethylbenzene	**1.0**		0.20	0.039	ppb v/v			01/14/16 16:12	1
2-Chlorotoluene	**0.15**	**J**	0.20	0.033	ppb v/v			01/14/16 16:12	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 16:12	1
1,2,4-Trimethylbenzene	**3.9**		0.20	0.043	ppb v/v			01/14/16 16:12	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 16:12	1
4-Isopropyltoluene	**0.047**	**J**	0.20	0.037	ppb v/v			01/14/16 16:12	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 16:12	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 16:12	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 16:12	1
n-Butylbenzene	**0.089**	**J**	0.20	0.047	ppb v/v			01/14/16 16:12	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 16:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 16:12	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 16:12	1
Naphthalene	**0.17**	**J**	0.50	0.057	ppb v/v			01/14/16 16:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.3**	**J**	2.5	0.40	ug/m3			01/14/16 16:12	1
Freon 22	**1.0**	**J**	1.8	0.20	ug/m3			01/14/16 16:12	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 16:12	1
Chloromethane	**1.3**		1.0	0.19	ug/m3			01/14/16 16:12	1
n-Butane	**4.3**		1.2	0.19	ug/m3			01/14/16 16:12	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 16:12	1
1,3-Butadiene	**0.21**	**J**	0.44	0.20	ug/m3			01/14/16 16:12	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 16:12	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 16:12	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 16:12	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			01/14/16 16:12	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 16:12	1
1,1-Dichloroethene	**2.7**		0.79	0.14	ug/m3			01/14/16 16:12	1
Acetone	**57**		12	2.0	ug/m3			01/14/16 16:12	1
Isopropyl alcohol	**11**	**J**	12	2.4	ug/m3			01/14/16 16:12	1
Carbon disulfide	**0.98**	**J**	1.6	0.13	ug/m3			01/14/16 16:12	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 16:12	1
Methylene Chloride	**0.94**	**J**	1.7	0.63	ug/m3			01/14/16 16:12	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 16:12	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 16:12	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 16:12	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7

Date Collected: 01/09/16 15:35
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	1.2		0.70	0.19	ug/m3			01/14/16 16:12	1
1,1-Dichloroethane	1.2		0.81	0.10	ug/m3			01/14/16 16:12	1
Methyl Ethyl Ketone	2.8		1.5	0.15	ug/m3			01/14/16 16:12	1
cis-1,2-Dichloroethene	1.9		0.79	0.14	ug/m3			01/14/16 16:12	1
1,2-Dichloroethene, Total	1.9		1.6	0.14	ug/m3			01/14/16 16:12	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 16:12	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 16:12	1
1,1,1-Trichloroethane	41		1.1	0.25	ug/m3			01/14/16 16:12	1
Cyclohexane	0.86		0.69	0.13	ug/m3			01/14/16 16:12	1
Carbon tetrachloride	0.37	J	1.3	0.20	ug/m3			01/14/16 16:12	1
2,2,4-Trimethylpentane	9.4		0.93	0.18	ug/m3			01/14/16 16:12	1
Benzene	1.3		0.64	0.13	ug/m3			01/14/16 16:12	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 16:12	1
n-Heptane	2.2		0.82	0.16	ug/m3			01/14/16 16:12	1
Trichloroethene	18		1.1	0.21	ug/m3			01/14/16 16:12	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 16:12	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 16:12	1
1,4-Dioxane	2.1	J	18	2.0	ug/m3			01/14/16 16:12	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 16:12	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 16:12	1
methyl isobutyl ketone	0.50	J	2.0	0.20	ug/m3			01/14/16 16:12	1
Toluene	34		0.75	0.35	ug/m3			01/14/16 16:12	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 16:12	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 16:12	1
Tetrachloroethene	11		1.4	0.16	ug/m3			01/14/16 16:12	1
Methyl Butyl Ketone (2-Hexanone)	0.72	J	2.0	0.23	ug/m3			01/14/16 16:12	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 16:12	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 16:12	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 16:12	1
Ethylbenzene	6.4		0.87	0.14	ug/m3			01/14/16 16:12	1
m,p-Xylene	25		2.2	0.31	ug/m3			01/14/16 16:12	1
Xylene, o-	9.4		0.87	0.16	ug/m3			01/14/16 16:12	1
Xylene (total)	34		3.0	0.16	ug/m3			01/14/16 16:12	1
Styrene	0.28	J	0.85	0.18	ug/m3			01/14/16 16:12	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 16:12	1
Cumene	1.3		0.98	0.15	ug/m3			01/14/16 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 16:12	1
n-Propylbenzene	3.7		0.98	0.21	ug/m3			01/14/16 16:12	1
4-Ethyltoluene	7.0		0.98	0.22	ug/m3			01/14/16 16:12	1
1,3,5-Trimethylbenzene	4.9		0.98	0.19	ug/m3			01/14/16 16:12	1
2-Chlorotoluene	0.79	J	1.0	0.17	ug/m3			01/14/16 16:12	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 16:12	1
1,2,4-Trimethylbenzene	19		0.98	0.21	ug/m3			01/14/16 16:12	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 16:12	1
4-Isopropyltoluene	0.26	J	1.1	0.20	ug/m3			01/14/16 16:12	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 16:12	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 16:12	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 16:12	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7

Lab Sample ID: 200-31514-1
Matrix: Air

Date Collected: 01/09/16 15:35
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	0.49	J	1.1	0.26	ug/m3			01/14/16 16:12	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 16:12	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 16:12	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 16:12	1
Naphthalene	0.89	J	2.6	0.30	ug/m3			01/14/16 16:12	1

Client Sample ID: HC-6

Lab Sample ID: 200-31514-2
Matrix: Air

Date Collected: 01/09/16 15:38
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.45	J	0.50	0.080	ppb v/v			01/14/16 17:52	1
Freon 22	0.29	J	0.50	0.057	ppb v/v			01/14/16 17:52	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 17:52	1
Chloromethane	0.49	J	0.50	0.093	ppb v/v			01/14/16 17:52	1
n-Butane	1.1		0.50	0.078	ppb v/v			01/14/16 17:52	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 17:52	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 17:52	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 17:52	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 17:52	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
Trichlorofluoromethane	0.18	J	0.20	0.038	ppb v/v			01/14/16 17:52	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 17:52	1
1,1-Dichloroethene	0.77		0.20	0.036	ppb v/v			01/14/16 17:52	1
Acetone	14		5.0	0.86	ppb v/v			01/14/16 17:52	1
Isopropyl alcohol	1.6	J	5.0	0.98	ppb v/v			01/14/16 17:52	1
Carbon disulfide	0.25	J	0.50	0.043	ppb v/v			01/14/16 17:52	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 17:52	1
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v			01/14/16 17:52	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 17:52	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 17:52	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 17:52	1
n-Hexane	0.11	J	0.20	0.054	ppb v/v			01/14/16 17:52	1
1,1-Dichloroethane	0.31		0.20	0.025	ppb v/v			01/14/16 17:52	1
Methyl Ethyl Ketone	0.68		0.50	0.052	ppb v/v			01/14/16 17:52	1
cis-1,2-Dichloroethene	0.57		0.20	0.035	ppb v/v			01/14/16 17:52	1
1,2-Dichloroethene, Total	0.57		0.40	0.035	ppb v/v			01/14/16 17:52	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 17:52	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 17:52	1
1,1,1-Trichloroethane	9.9		0.20	0.046	ppb v/v			01/14/16 17:52	1
Cyclohexane	ND		0.20	0.039	ppb v/v			01/14/16 17:52	1
Carbon tetrachloride	0.064	J	0.20	0.032	ppb v/v			01/14/16 17:52	1
2,2,4-Trimethylpentane	0.041	J	0.20	0.039	ppb v/v			01/14/16 17:52	1
Benzene	0.17	J	0.20	0.042	ppb v/v			01/14/16 17:52	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 17:52	1
n-Heptane	0.17	J	0.20	0.040	ppb v/v			01/14/16 17:52	1
Trichloroethene	4.1		0.20	0.039	ppb v/v			01/14/16 17:52	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-6

Lab Sample ID: 200-31514-2
Matrix: Air

Date Collected: 01/09/16 15:38
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 17:52	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 17:52	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 17:52	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 17:52	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 17:52	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			01/14/16 17:52	1
Toluene	**0.58**		0.20	0.093	ppb v/v			01/14/16 17:52	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 17:52	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 17:52	1
Tetrachloroethene	**0.039**	**J**	0.20	0.023	ppb v/v			01/14/16 17:52	1
Methyl Butyl Ketone (2-Hexanone)	**0.12**	**J**	0.50	0.057	ppb v/v			01/14/16 17:52	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 17:52	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 17:52	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			01/14/16 17:52	1
m,p-Xylene	**0.26**	**J**	0.50	0.071	ppb v/v			01/14/16 17:52	1
Xylene, o-	**0.095**	**J**	0.20	0.037	ppb v/v			01/14/16 17:52	1
Xylene (total)	**0.36**	**J**	0.70	0.037	ppb v/v			01/14/16 17:52	1
Styrene	ND		0.20	0.043	ppb v/v			01/14/16 17:52	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 17:52	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 17:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 17:52	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 17:52	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 17:52	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
1,2,4-Trimethylbenzene	**0.18**	**J**	0.20	0.043	ppb v/v			01/14/16 17:52	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 17:52	1
4-Isopropyltoluene	**0.35**		0.20	0.037	ppb v/v			01/14/16 17:52	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 17:52	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 17:52	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 17:52	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 17:52	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 17:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 17:52	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 17:52	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 17:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.40	ug/m3			01/14/16 17:52	1
Freon 22	**1.0**	**J**	1.8	0.20	ug/m3			01/14/16 17:52	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 17:52	1
Chloromethane	**1.0**	**J**	1.0	0.19	ug/m3			01/14/16 17:52	1
n-Butane	**2.6**		1.2	0.19	ug/m3			01/14/16 17:52	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 17:52	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 17:52	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 17:52	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 17:52	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-6

Date Collected: 01/09/16 15:38
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 17:52	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.21	ug/m3			01/14/16 17:52	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 17:52	1
1,1-Dichloroethene	**3.0**		0.79	0.14	ug/m3			01/14/16 17:52	1
Acetone	**34**		12	2.0	ug/m3			01/14/16 17:52	1
Isopropyl alcohol	**3.9**	**J**	12	2.4	ug/m3			01/14/16 17:52	1
Carbon disulfide	**0.78**	**J**	1.6	0.13	ug/m3			01/14/16 17:52	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 17:52	1
Methylene Chloride	**0.83**	**J**	1.7	0.63	ug/m3			01/14/16 17:52	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 17:52	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 17:52	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 17:52	1
n-Hexane	**0.39**	**J**	0.70	0.19	ug/m3			01/14/16 17:52	1
1,1-Dichloroethane	**1.2**		0.81	0.10	ug/m3			01/14/16 17:52	1
Methyl Ethyl Ketone	**2.0**		1.5	0.15	ug/m3			01/14/16 17:52	1
cis-1,2-Dichloroethene	**2.3**		0.79	0.14	ug/m3			01/14/16 17:52	1
1,2-Dichloroethene, Total	**2.3**		1.6	0.14	ug/m3			01/14/16 17:52	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 17:52	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 17:52	1
1,1,1-Trichloroethane	**54**		1.1	0.25	ug/m3			01/14/16 17:52	1
Cyclohexane	ND		0.69	0.13	ug/m3			01/14/16 17:52	1
Carbon tetrachloride	**0.41**	**J**	1.3	0.20	ug/m3			01/14/16 17:52	1
2,2,4-Trimethylpentane	**0.19**	**J**	0.93	0.18	ug/m3			01/14/16 17:52	1
Benzene	**0.55**	**J**	0.64	0.13	ug/m3			01/14/16 17:52	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 17:52	1
n-Heptane	**0.68**	**J**	0.82	0.16	ug/m3			01/14/16 17:52	1
Trichloroethene	**22**		1.1	0.21	ug/m3			01/14/16 17:52	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 17:52	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 17:52	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 17:52	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 17:52	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 17:52	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			01/14/16 17:52	1
Toluene	**2.2**		0.75	0.35	ug/m3			01/14/16 17:52	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 17:52	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 17:52	1
Tetrachloroethene	**0.27**	**J**	1.4	0.16	ug/m3			01/14/16 17:52	1
Methyl Butyl Ketone (2-Hexanone)	**0.51**	**J**	2.0	0.23	ug/m3			01/14/16 17:52	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 17:52	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 17:52	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 17:52	1
Ethylbenzene	ND		0.87	0.14	ug/m3			01/14/16 17:52	1
m,p-Xylene	**1.1**	**J**	2.2	0.31	ug/m3			01/14/16 17:52	1
Xylene, o-	**0.41**	**J**	0.87	0.16	ug/m3			01/14/16 17:52	1
Xylene (total)	**1.5**	**J**	3.0	0.16	ug/m3			01/14/16 17:52	1
Styrene	ND		0.85	0.18	ug/m3			01/14/16 17:52	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 17:52	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 17:52	1

Client Sample ID: HC-6

Lab Sample ID: 200-31514-2
Matrix: Air

Date Collected: 01/09/16 15:38
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 17:52	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 17:52	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 17:52	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 17:52	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 17:52	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 17:52	1
1,2,4-Trimethylbenzene	**0.89**	**J**	0.98	0.21	ug/m3			01/14/16 17:52	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 17:52	1
4-Isopropyltoluene	**1.9**		1.1	0.20	ug/m3			01/14/16 17:52	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 17:52	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 17:52	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 17:52	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 17:52	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 17:52	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 17:52	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 17:52	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 17:52	1

Client Sample ID: HC-2

Lab Sample ID: 200-31514-3
Matrix: Air

Date Collected: 01/09/16 15:55
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.62**		0.50	0.080	ppb v/v			01/14/16 18:42	1
Freon 22	**0.31**	**J**	0.50	0.057	ppb v/v			01/14/16 18:42	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 18:42	1
Chloromethane	**0.78**		0.50	0.093	ppb v/v			01/14/16 18:42	1
n-Butane	**2.1**		0.50	0.078	ppb v/v			01/14/16 18:42	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 18:42	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 18:42	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 18:42	1
Chloroethane	**0.19**	**J**	0.50	0.085	ppb v/v			01/14/16 18:42	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
Trichlorofluoromethane	**0.19**	**J**	0.20	0.038	ppb v/v			01/14/16 18:42	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 18:42	1
1,1-Dichloroethene	**0.080**	**J**	0.20	0.036	ppb v/v			01/14/16 18:42	1
Acetone	**28**		5.0	0.86	ppb v/v			01/14/16 18:42	1
Isopropyl alcohol	**3.2**	**J**	5.0	0.98	ppb v/v			01/14/16 18:42	1
Carbon disulfide	**0.39**	**J**	0.50	0.043	ppb v/v			01/14/16 18:42	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 18:42	1
Methylene Chloride	**0.25**	**J**	0.50	0.18	ppb v/v			01/14/16 18:42	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 18:42	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 18:42	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 18:42	1
n-Hexane	**0.30**		0.20	0.054	ppb v/v			01/14/16 18:42	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			01/14/16 18:42	1
Methyl Ethyl Ketone	**2.9**		0.50	0.052	ppb v/v			01/14/16 18:42	1

Client Sample ID: HC-2

Lab Sample ID: 200-31514-3

Date Collected: 01/09/16 15:55
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**0.11**	**J**	0.20	0.035	ppb v/v			01/14/16 18:42	1
1,2-Dichloroethene, Total	**0.11**	**J**	0.40	0.035	ppb v/v			01/14/16 18:42	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 18:42	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 18:42	1
1,1,1-Trichloroethane	**0.66**		0.20	0.046	ppb v/v			01/14/16 18:42	1
Cyclohexane	ND		0.20	0.039	ppb v/v			01/14/16 18:42	1
Carbon tetrachloride	**0.050**	**J**	0.20	0.032	ppb v/v			01/14/16 18:42	1
2,2,4-Trimethylpentane	**0.078**	**J**	0.20	0.039	ppb v/v			01/14/16 18:42	1
Benzene	**0.38**		0.20	0.042	ppb v/v			01/14/16 18:42	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 18:42	1
n-Heptane	**0.43**		0.20	0.040	ppb v/v			01/14/16 18:42	1
Trichloroethene	**0.66**		0.20	0.039	ppb v/v			01/14/16 18:42	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 18:42	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 18:42	1
1,4-Dioxane	**0.65**	**J**	5.0	0.56	ppb v/v			01/14/16 18:42	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 18:42	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 18:42	1
methyl isobutyl ketone	**0.24**	**J**	0.50	0.050	ppb v/v			01/14/16 18:42	1
Toluene	**1.2**		0.20	0.093	ppb v/v			01/14/16 18:42	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 18:42	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 18:42	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			01/14/16 18:42	1
Methyl Butyl Ketone (2-Hexanone)	**0.37**	**J**	0.50	0.057	ppb v/v			01/14/16 18:42	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 18:42	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 18:42	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			01/14/16 18:42	1
m,p-Xylene	**0.33**	**J**	0.50	0.071	ppb v/v			01/14/16 18:42	1
Xylene, o-	**0.12**	**J**	0.20	0.037	ppb v/v			01/14/16 18:42	1
Xylene (total)	**0.45**	**J**	0.70	0.037	ppb v/v			01/14/16 18:42	1
Styrene	**0.046**	**J**	0.20	0.043	ppb v/v			01/14/16 18:42	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 18:42	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 18:42	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 18:42	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
1,3,5-Trimethylbenzene	**0.043**	**J**	0.20	0.039	ppb v/v			01/14/16 18:42	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 18:42	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
1,2,4-Trimethylbenzene	**0.19**	**J**	0.20	0.043	ppb v/v			01/14/16 18:42	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 18:42	1
4-Isopropyltoluene	**0.23**		0.20	0.037	ppb v/v			01/14/16 18:42	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 18:42	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 18:42	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 18:42	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 18:42	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 18:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 18:42	1

Client Sample ID: HC-2

Lab Sample ID: 200-31514-3

Date Collected: 01/09/16 15:55
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 18:42	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 18:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.1**		2.5	0.40	ug/m3			01/14/16 18:42	1
Freon 22	**1.1**	**J**	1.8	0.20	ug/m3			01/14/16 18:42	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 18:42	1
Chloromethane	**1.6**		1.0	0.19	ug/m3			01/14/16 18:42	1
n-Butane	**5.1**		1.2	0.19	ug/m3			01/14/16 18:42	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 18:42	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 18:42	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 18:42	1
Chloroethane	**0.50**	**J**	1.3	0.22	ug/m3			01/14/16 18:42	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 18:42	1
Trichlorofluoromethane	**1.1**	**J**	1.1	0.21	ug/m3			01/14/16 18:42	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 18:42	1
1,1-Dichloroethene	**0.32**	**J**	0.79	0.14	ug/m3			01/14/16 18:42	1
Acetone	**66**		12	2.0	ug/m3			01/14/16 18:42	1
Isopropyl alcohol	**7.8**	**J**	12	2.4	ug/m3			01/14/16 18:42	1
Carbon disulfide	**1.2**	**J**	1.6	0.13	ug/m3			01/14/16 18:42	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 18:42	1
Methylene Chloride	**0.88**	**J**	1.7	0.63	ug/m3			01/14/16 18:42	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 18:42	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 18:42	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 18:42	1
n-Hexane	**1.0**		0.70	0.19	ug/m3			01/14/16 18:42	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			01/14/16 18:42	1
Methyl Ethyl Ketone	**8.5**		1.5	0.15	ug/m3			01/14/16 18:42	1
cis-1,2-Dichloroethene	**0.42**	**J**	0.79	0.14	ug/m3			01/14/16 18:42	1
1,2-Dichloroethene, Total	**0.44**	**J**	1.6	0.14	ug/m3			01/14/16 18:42	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 18:42	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 18:42	1
1,1,1-Trichloroethane	**3.6**		1.1	0.25	ug/m3			01/14/16 18:42	1
Cyclohexane	ND		0.69	0.13	ug/m3			01/14/16 18:42	1
Carbon tetrachloride	**0.31**	**J**	1.3	0.20	ug/m3			01/14/16 18:42	1
2,2,4-Trimethylpentane	**0.36**	**J**	0.93	0.18	ug/m3			01/14/16 18:42	1
Benzene	**1.2**		0.64	0.13	ug/m3			01/14/16 18:42	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 18:42	1
n-Heptane	**1.8**		0.82	0.16	ug/m3			01/14/16 18:42	1
Trichloroethene	**3.5**		1.1	0.21	ug/m3			01/14/16 18:42	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 18:42	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 18:42	1
1,4-Dioxane	**2.4**	**J**	18	2.0	ug/m3			01/14/16 18:42	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 18:42	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 18:42	1
methyl isobutyl ketone	**0.97**	**J**	2.0	0.20	ug/m3			01/14/16 18:42	1
Toluene	**4.4**		0.75	0.35	ug/m3			01/14/16 18:42	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 18:42	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 18:42	1

Client Sample ID: HC-2

Lab Sample ID: 200-31514-3

Date Collected: 01/09/16 15:55
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.4	0.16	ug/m3			01/14/16 18:42	1
Methyl Butyl Ketone (2-Hexanone)	**1.5**	**J**	2.0	0.23	ug/m3			01/14/16 18:42	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 18:42	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 18:42	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 18:42	1
Ethylbenzene	ND		0.87	0.14	ug/m3			01/14/16 18:42	1
m,p-Xylene	**1.4**	**J**	2.2	0.31	ug/m3			01/14/16 18:42	1
Xylene, o-	**0.51**	**J**	0.87	0.16	ug/m3			01/14/16 18:42	1
Xylene (total)	**2.0**	**J**	3.0	0.16	ug/m3			01/14/16 18:42	1
Styrene	**0.20**	**J**	0.85	0.18	ug/m3			01/14/16 18:42	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 18:42	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 18:42	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 18:42	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 18:42	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 18:42	1
1,3,5-Trimethylbenzene	**0.21**	**J**	0.98	0.19	ug/m3			01/14/16 18:42	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 18:42	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 18:42	1
1,2,4-Trimethylbenzene	**0.94**	**J**	0.98	0.21	ug/m3			01/14/16 18:42	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 18:42	1
4-Isopropyltoluene	**1.2**		1.1	0.20	ug/m3			01/14/16 18:42	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 18:42	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 18:42	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 18:42	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 18:42	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 18:42	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 18:42	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 18:42	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 18:42	1

Client Sample ID: HC-4

Lab Sample ID: 200-31514-4

Date Collected: 01/09/16 15:58
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.50**		0.50	0.080	ppb v/v			01/14/16 19:33	1
Freon 22	**0.44**	**J**	0.50	0.057	ppb v/v			01/14/16 19:33	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 19:33	1
Chloromethane	**0.55**		0.50	0.093	ppb v/v			01/14/16 19:33	1
n-Butane	**5.4**		0.50	0.078	ppb v/v			01/14/16 19:33	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 19:33	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 19:33	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 19:33	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 19:33	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1
Trichlorofluoromethane	**0.18**	**J**	0.20	0.038	ppb v/v			01/14/16 19:33	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 19:33	1

Client Sample ID: HC-4

Lab Sample ID: 200-31514-4

Date Collected: 01/09/16 15:58
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.20		0.20	0.036	ppb v/v			01/14/16 19:33	1
Acetone	31		5.0	0.86	ppb v/v			01/14/16 19:33	1
Isopropyl alcohol	5.0		5.0	0.98	ppb v/v			01/14/16 19:33	1
Carbon disulfide	0.89		0.50	0.043	ppb v/v			01/14/16 19:33	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 19:33	1
Methylene Chloride	0.24	J	0.50	0.18	ppb v/v			01/14/16 19:33	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 19:33	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 19:33	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 19:33	1
n-Hexane	0.46		0.20	0.054	ppb v/v			01/14/16 19:33	1
1,1-Dichloroethane	0.077	J	0.20	0.025	ppb v/v			01/14/16 19:33	1
Methyl Ethyl Ketone	0.90		0.50	0.052	ppb v/v			01/14/16 19:33	1
cis-1,2-Dichloroethene	0.17	J	0.20	0.035	ppb v/v			01/14/16 19:33	1
1,2-Dichloroethene, Total	0.17	J	0.40	0.035	ppb v/v			01/14/16 19:33	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 19:33	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 19:33	1
1,1,1-Trichloroethane	1.5		0.20	0.046	ppb v/v			01/14/16 19:33	1
Cyclohexane	0.13	J	0.20	0.039	ppb v/v			01/14/16 19:33	1
Carbon tetrachloride	0.046	J	0.20	0.032	ppb v/v			01/14/16 19:33	1
2,2,4-Trimethylpentane	0.16	J	0.20	0.039	ppb v/v			01/14/16 19:33	1
Benzene	0.27		0.20	0.042	ppb v/v			01/14/16 19:33	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 19:33	1
n-Heptane	0.43		0.20	0.040	ppb v/v			01/14/16 19:33	1
Trichloroethene	1.4		0.20	0.039	ppb v/v			01/14/16 19:33	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 19:33	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 19:33	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 19:33	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 19:33	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 19:33	1
methyl isobutyl ketone	0.10	J	0.50	0.050	ppb v/v			01/14/16 19:33	1
Toluene	1.6		0.20	0.093	ppb v/v			01/14/16 19:33	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 19:33	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 19:33	1
Tetrachloroethene	0.034	J	0.20	0.023	ppb v/v			01/14/16 19:33	1
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.057	ppb v/v			01/14/16 19:33	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 19:33	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 19:33	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			01/14/16 19:33	1
m,p-Xylene	0.49	J	0.50	0.071	ppb v/v			01/14/16 19:33	1
Xylene, o-	0.17	J	0.20	0.037	ppb v/v			01/14/16 19:33	1
Xylene (total)	0.66	J	0.70	0.037	ppb v/v			01/14/16 19:33	1
Styrene	0.055	J	0.20	0.043	ppb v/v			01/14/16 19:33	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 19:33	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 19:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 19:33	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1

Client Sample ID: HC-4

Lab Sample ID: 200-31514-4

Date Collected: 01/09/16 15:58
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 19:33	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 19:33	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1
1,2,4-Trimethylbenzene	**0.14**	**J**	0.20	0.043	ppb v/v			01/14/16 19:33	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 19:33	1
4-Isopropyltoluene	**0.38**		0.20	0.037	ppb v/v			01/14/16 19:33	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 19:33	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 19:33	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 19:33	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 19:33	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 19:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 19:33	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 19:33	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 19:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**		2.5	0.40	ug/m3			01/14/16 19:33	1
Freon 22	**1.6**	**J**	1.8	0.20	ug/m3			01/14/16 19:33	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 19:33	1
Chloromethane	**1.1**		1.0	0.19	ug/m3			01/14/16 19:33	1
n-Butane	**13**		1.2	0.19	ug/m3			01/14/16 19:33	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 19:33	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 19:33	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 19:33	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 19:33	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 19:33	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.21	ug/m3			01/14/16 19:33	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 19:33	1
1,1-Dichloroethene	**0.81**		0.79	0.14	ug/m3			01/14/16 19:33	1
Acetone	**74**		12	2.0	ug/m3			01/14/16 19:33	1
Isopropyl alcohol	**12**		12	2.4	ug/m3			01/14/16 19:33	1
Carbon disulfide	**2.8**		1.6	0.13	ug/m3			01/14/16 19:33	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 19:33	1
Methylene Chloride	**0.84**	**J**	1.7	0.63	ug/m3			01/14/16 19:33	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 19:33	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 19:33	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 19:33	1
n-Hexane	**1.6**		0.70	0.19	ug/m3			01/14/16 19:33	1
1,1-Dichloroethane	**0.31**	**J**	0.81	0.10	ug/m3			01/14/16 19:33	1
Methyl Ethyl Ketone	**2.7**		1.5	0.15	ug/m3			01/14/16 19:33	1
cis-1,2-Dichloroethene	**0.69**	**J**	0.79	0.14	ug/m3			01/14/16 19:33	1
1,2-Dichloroethene, Total	**0.67**	**J**	1.6	0.14	ug/m3			01/14/16 19:33	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 19:33	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 19:33	1
1,1,1-Trichloroethane	**8.4**		1.1	0.25	ug/m3			01/14/16 19:33	1
Cyclohexane	**0.44**	**J**	0.69	0.13	ug/m3			01/14/16 19:33	1
Carbon tetrachloride	**0.29**	**J**	1.3	0.20	ug/m3			01/14/16 19:33	1
2,2,4-Trimethylpentane	**0.75**	**J**	0.93	0.18	ug/m3			01/14/16 19:33	1
Benzene	**0.88**		0.64	0.13	ug/m3			01/14/16 19:33	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-4

Date Collected: 01/09/16 15:58
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 19:33	1
n-Heptane	**1.7**		0.82	0.16	ug/m3			01/14/16 19:33	1
Trichloroethene	**7.7**		1.1	0.21	ug/m3			01/14/16 19:33	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 19:33	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 19:33	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 19:33	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 19:33	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 19:33	1
methyl isobutyl ketone	**0.41**	**J**	2.0	0.20	ug/m3			01/14/16 19:33	1
Toluene	**6.1**		0.75	0.35	ug/m3			01/14/16 19:33	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 19:33	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 19:33	1
Tetrachloroethene	**0.23**	**J**	1.4	0.16	ug/m3			01/14/16 19:33	1
Methyl Butyl Ketone (2-Hexanone)	**0.66**	**J**	2.0	0.23	ug/m3			01/14/16 19:33	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 19:33	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 19:33	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 19:33	1
Ethylbenzene	ND		0.87	0.14	ug/m3			01/14/16 19:33	1
m,p-Xylene	**2.1**	**J**	2.2	0.31	ug/m3			01/14/16 19:33	1
Xylene, o-	**0.75**	**J**	0.87	0.16	ug/m3			01/14/16 19:33	1
Xylene (total)	**2.9**	**J**	3.0	0.16	ug/m3			01/14/16 19:33	1
Styrene	**0.23**	**J**	0.85	0.18	ug/m3			01/14/16 19:33	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 19:33	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 19:33	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 19:33	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 19:33	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 19:33	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 19:33	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 19:33	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 19:33	1
1,2,4-Trimethylbenzene	**0.70**	**J**	0.98	0.21	ug/m3			01/14/16 19:33	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 19:33	1
4-Isopropyltoluene	**2.1**		1.1	0.20	ug/m3			01/14/16 19:33	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 19:33	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 19:33	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 19:33	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 19:33	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 19:33	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 19:33	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 19:33	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 19:33	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-3

Lab Sample ID: 200-31514-5

Date Collected: 01/09/16 16:00
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.52**		0.50	0.080	ppb v/v			01/14/16 20:23	1
Freon 22	**0.37**	**J**	0.50	0.057	ppb v/v			01/14/16 20:23	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 20:23	1
Chloromethane	**0.53**		0.50	0.093	ppb v/v			01/14/16 20:23	1
n-Butane	**3.0**		0.50	0.078	ppb v/v			01/14/16 20:23	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 20:23	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 20:23	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 20:23	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 20:23	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1
Trichlorofluoromethane	**0.21**		0.20	0.038	ppb v/v			01/14/16 20:23	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 20:23	1
1,1-Dichloroethene	**0.14**	**J**	0.20	0.036	ppb v/v			01/14/16 20:23	1
Acetone	**31**		5.0	0.86	ppb v/v			01/14/16 20:23	1
Isopropyl alcohol	**12**		5.0	0.98	ppb v/v			01/14/16 20:23	1
Carbon disulfide	**0.55**		0.50	0.043	ppb v/v			01/14/16 20:23	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 20:23	1
Methylene Chloride	**0.26**	**J**	0.50	0.18	ppb v/v			01/14/16 20:23	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 20:23	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 20:23	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 20:23	1
n-Hexane	**0.33**		0.20	0.054	ppb v/v			01/14/16 20:23	1
1,1-Dichloroethane	**0.059**	**J**	0.20	0.025	ppb v/v			01/14/16 20:23	1
Methyl Ethyl Ketone	**1.4**		0.50	0.052	ppb v/v			01/14/16 20:23	1
cis-1,2-Dichloroethene	**0.14**	**J**	0.20	0.035	ppb v/v			01/14/16 20:23	1
1,2-Dichloroethene, Total	**0.14**	**J**	0.40	0.035	ppb v/v			01/14/16 20:23	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 20:23	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 20:23	1
1,1,1-Trichloroethane	**1.0**		0.20	0.046	ppb v/v			01/14/16 20:23	1
Cyclohexane	ND		0.20	0.039	ppb v/v			01/14/16 20:23	1
Carbon tetrachloride	**0.063**	**J**	0.20	0.032	ppb v/v			01/14/16 20:23	1
2,2,4-Trimethylpentane	**0.11**	**J**	0.20	0.039	ppb v/v			01/14/16 20:23	1
Benzene	**0.25**		0.20	0.042	ppb v/v			01/14/16 20:23	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 20:23	1
n-Heptane	**0.36**		0.20	0.040	ppb v/v			01/14/16 20:23	1
Trichloroethene	**0.97**		0.20	0.039	ppb v/v			01/14/16 20:23	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 20:23	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 20:23	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 20:23	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 20:23	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 20:23	1
methyl isobutyl ketone	**0.11**	**J**	0.50	0.050	ppb v/v			01/14/16 20:23	1
Toluene	**1.4**		0.20	0.093	ppb v/v			01/14/16 20:23	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 20:23	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 20:23	1
Tetrachloroethene	**0.035**	**J**	0.20	0.023	ppb v/v			01/14/16 20:23	1
Methyl Butyl Ketone (2-Hexanone)	**0.27**	**J**	0.50	0.057	ppb v/v			01/14/16 20:23	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-3

Date Collected: 01/09/16 16:00
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 20:23	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 20:23	1
Ethylbenzene	**0.11**	**J**	0.20	0.033	ppb v/v			01/14/16 20:23	1
m,p-Xylene	**0.35**	**J**	0.50	0.071	ppb v/v			01/14/16 20:23	1
Xylene, o-	ND		0.20	0.037	ppb v/v			01/14/16 20:23	1
Xylene (total)	**0.35**	**J**	0.70	0.037	ppb v/v			01/14/16 20:23	1
Styrene	ND		0.20	0.043	ppb v/v			01/14/16 20:23	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 20:23	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 20:23	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 20:23	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 20:23	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 20:23	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1
1,2,4-Trimethylbenzene	**0.12**	**J**	0.20	0.043	ppb v/v			01/14/16 20:23	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 20:23	1
4-Isopropyltoluene	**0.31**		0.20	0.037	ppb v/v			01/14/16 20:23	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 20:23	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 20:23	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 20:23	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 20:23	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 20:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 20:23	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 20:23	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 20:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.6**		2.5	0.40	ug/m3			01/14/16 20:23	1
Freon 22	**1.3**	**J**	1.8	0.20	ug/m3			01/14/16 20:23	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 20:23	1
Chloromethane	**1.1**		1.0	0.19	ug/m3			01/14/16 20:23	1
n-Butane	**7.0**		1.2	0.19	ug/m3			01/14/16 20:23	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 20:23	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 20:23	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 20:23	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 20:23	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 20:23	1
Trichlorofluoromethane	**1.2**		1.1	0.21	ug/m3			01/14/16 20:23	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 20:23	1
1,1-Dichloroethene	**0.55**	**J**	0.79	0.14	ug/m3			01/14/16 20:23	1
Acetone	**73**		12	2.0	ug/m3			01/14/16 20:23	1
Isopropyl alcohol	**29**		12	2.4	ug/m3			01/14/16 20:23	1
Carbon disulfide	**1.7**		1.6	0.13	ug/m3			01/14/16 20:23	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 20:23	1
Methylene Chloride	**0.92**	**J**	1.7	0.63	ug/m3			01/14/16 20:23	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 20:23	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 20:23	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 20:23	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-3

Lab Sample ID: 200-31514-5

Date Collected: 01/09/16 16:00
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	**1.1**		0.70	0.19	ug/m3			01/14/16 20:23	1
1,1-Dichloroethane	**0.24**	**J**	0.81	0.10	ug/m3			01/14/16 20:23	1
Methyl Ethyl Ketone	**4.2**		1.5	0.15	ug/m3			01/14/16 20:23	1
cis-1,2-Dichloroethene	**0.57**	**J**	0.79	0.14	ug/m3			01/14/16 20:23	1
1,2-Dichloroethene, Total	**0.56**	**J**	1.6	0.14	ug/m3			01/14/16 20:23	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 20:23	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 20:23	1
1,1,1-Trichloroethane	**5.6**		1.1	0.25	ug/m3			01/14/16 20:23	1
Cyclohexane	ND		0.69	0.13	ug/m3			01/14/16 20:23	1
Carbon tetrachloride	**0.40**	**J**	1.3	0.20	ug/m3			01/14/16 20:23	1
2,2,4-Trimethylpentane	**0.50**	**J**	0.93	0.18	ug/m3			01/14/16 20:23	1
Benzene	**0.81**		0.64	0.13	ug/m3			01/14/16 20:23	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 20:23	1
n-Heptane	**1.5**		0.82	0.16	ug/m3			01/14/16 20:23	1
Trichloroethene	**5.2**		1.1	0.21	ug/m3			01/14/16 20:23	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 20:23	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 20:23	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 20:23	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 20:23	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 20:23	1
methyl isobutyl ketone	**0.45**	**J**	2.0	0.20	ug/m3			01/14/16 20:23	1
Toluene	**5.1**		0.75	0.35	ug/m3			01/14/16 20:23	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 20:23	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 20:23	1
Tetrachloroethene	**0.24**	**J**	1.4	0.16	ug/m3			01/14/16 20:23	1
Methyl Butyl Ketone (2-Hexanone)	**1.1**	**J**	2.0	0.23	ug/m3			01/14/16 20:23	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 20:23	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 20:23	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 20:23	1
Ethylbenzene	**0.49**	**J**	0.87	0.14	ug/m3			01/14/16 20:23	1
m,p-Xylene	**1.5**	**J**	2.2	0.31	ug/m3			01/14/16 20:23	1
Xylene, o-	ND		0.87	0.16	ug/m3			01/14/16 20:23	1
Xylene (total)	**1.5**	**J**	3.0	0.16	ug/m3			01/14/16 20:23	1
Styrene	ND		0.85	0.18	ug/m3			01/14/16 20:23	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 20:23	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 20:23	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 20:23	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 20:23	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 20:23	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 20:23	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 20:23	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 20:23	1
1,2,4-Trimethylbenzene	**0.57**	**J**	0.98	0.21	ug/m3			01/14/16 20:23	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 20:23	1
4-Isopropyltoluene	**1.7**		1.1	0.20	ug/m3			01/14/16 20:23	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 20:23	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 20:23	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 20:23	1

Client Sample ID: HC-3

Lab Sample ID: 200-31514-5
Matrix: Air

Date Collected: 01/09/16 16:00
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 20:23	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 20:23	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 20:23	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 20:23	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 20:23	1

Client Sample ID: HC-8

Lab Sample ID: 200-31514-6
Matrix: Air

Date Collected: 01/09/16 15:50
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.46**	**J**	0.50	0.080	ppb v/v			01/14/16 21:13	1
Freon 22	**0.28**	**J**	0.50	0.057	ppb v/v			01/14/16 21:13	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 21:13	1
Chloromethane	**0.59**		0.50	0.093	ppb v/v			01/14/16 21:13	1
n-Butane	**3.0**		0.50	0.078	ppb v/v			01/14/16 21:13	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 21:13	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 21:13	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 21:13	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 21:13	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
Trichlorofluoromethane	**0.18**	**J**	0.20	0.038	ppb v/v			01/14/16 21:13	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 21:13	1
1,1-Dichloroethene	**0.16**	**J**	0.20	0.036	ppb v/v			01/14/16 21:13	1
Acetone	**15**		5.0	0.86	ppb v/v			01/14/16 21:13	1
Isopropyl alcohol	**2.3**	**J**	5.0	0.98	ppb v/v			01/14/16 21:13	1
Carbon disulfide	**0.59**		0.50	0.043	ppb v/v			01/14/16 21:13	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 21:13	1
Methylene Chloride	**0.23**	**J**	0.50	0.18	ppb v/v			01/14/16 21:13	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 21:13	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 21:13	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 21:13	1
n-Hexane	**0.26**		0.20	0.054	ppb v/v			01/14/16 21:13	1
1,1-Dichloroethane	**0.060**	**J**	0.20	0.025	ppb v/v			01/14/16 21:13	1
Methyl Ethyl Ketone	**0.49**	**J**	0.50	0.052	ppb v/v			01/14/16 21:13	1
cis-1,2-Dichloroethene	**0.12**	**J**	0.20	0.035	ppb v/v			01/14/16 21:13	1
1,2-Dichloroethene, Total	**0.12**	**J**	0.40	0.035	ppb v/v			01/14/16 21:13	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 21:13	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 21:13	1
1,1,1-Trichloroethane	**1.3**		0.20	0.046	ppb v/v			01/14/16 21:13	1
Cyclohexane	**0.046**	**J**	0.20	0.039	ppb v/v			01/14/16 21:13	1
Carbon tetrachloride	**0.063**	**J**	0.20	0.032	ppb v/v			01/14/16 21:13	1
2,2,4-Trimethylpentane	**0.11**	**J**	0.20	0.039	ppb v/v			01/14/16 21:13	1
Benzene	**0.20**		0.20	0.042	ppb v/v			01/14/16 21:13	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 21:13	1
n-Heptane	**0.25**		0.20	0.040	ppb v/v			01/14/16 21:13	1
Trichloroethene	**1.1**		0.20	0.039	ppb v/v			01/14/16 21:13	1

Client Sample ID: HC-8

Lab Sample ID: 200-31514-6

Date Collected: 01/09/16 15:50
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 21:13	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 21:13	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 21:13	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 21:13	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 21:13	1
methyl isobutyl ketone	**0.082**	**J**	0.50	0.050	ppb v/v			01/14/16 21:13	1
Toluene	**0.94**		0.20	0.093	ppb v/v			01/14/16 21:13	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 21:13	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 21:13	1
Tetrachloroethene	**0.027**	**J**	0.20	0.023	ppb v/v			01/14/16 21:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			01/14/16 21:13	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 21:13	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 21:13	1
Ethylbenzene	**0.091**	**J**	0.20	0.033	ppb v/v			01/14/16 21:13	1
m,p-Xylene	**0.30**	**J**	0.50	0.071	ppb v/v			01/14/16 21:13	1
Xylene, o-	**0.11**	**J**	0.20	0.037	ppb v/v			01/14/16 21:13	1
Xylene (total)	**0.41**	**J**	0.70	0.037	ppb v/v			01/14/16 21:13	1
Styrene	ND		0.20	0.043	ppb v/v			01/14/16 21:13	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 21:13	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 21:13	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 21:13	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 21:13	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 21:13	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
1,2,4-Trimethylbenzene	**0.15**	**J**	0.20	0.043	ppb v/v			01/14/16 21:13	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 21:13	1
4-Isopropyltoluene	**0.20**		0.20	0.037	ppb v/v			01/14/16 21:13	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 21:13	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 21:13	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 21:13	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 21:13	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 21:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 21:13	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 21:13	1
Naphthalene	**0.083**	**J**	0.50	0.057	ppb v/v			01/14/16 21:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.3**	**J**	2.5	0.40	ug/m3			01/14/16 21:13	1
Freon 22	**0.99**	**J**	1.8	0.20	ug/m3			01/14/16 21:13	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 21:13	1
Chloromethane	**1.2**		1.0	0.19	ug/m3			01/14/16 21:13	1
n-Butane	**7.2**		1.2	0.19	ug/m3			01/14/16 21:13	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 21:13	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 21:13	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 21:13	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 21:13	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-8

Date Collected: 01/09/16 15:50
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-6

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 21:13	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.21	ug/m3			01/14/16 21:13	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 21:13	1
1,1-Dichloroethene	**0.65**	**J**	0.79	0.14	ug/m3			01/14/16 21:13	1
Acetone	**37**		12	2.0	ug/m3			01/14/16 21:13	1
Isopropyl alcohol	**5.8**	**J**	12	2.4	ug/m3			01/14/16 21:13	1
Carbon disulfide	**1.8**		1.6	0.13	ug/m3			01/14/16 21:13	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 21:13	1
Methylene Chloride	**0.80**	**J**	1.7	0.63	ug/m3			01/14/16 21:13	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 21:13	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 21:13	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 21:13	1
n-Hexane	**0.92**		0.70	0.19	ug/m3			01/14/16 21:13	1
1,1-Dichloroethane	**0.24**	**J**	0.81	0.10	ug/m3			01/14/16 21:13	1
Methyl Ethyl Ketone	**1.4**	**J**	1.5	0.15	ug/m3			01/14/16 21:13	1
cis-1,2-Dichloroethene	**0.48**	**J**	0.79	0.14	ug/m3			01/14/16 21:13	1
1,2-Dichloroethene, Total	**0.48**	**J**	1.6	0.14	ug/m3			01/14/16 21:13	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 21:13	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 21:13	1
1,1,1-Trichloroethane	**6.8**		1.1	0.25	ug/m3			01/14/16 21:13	1
Cyclohexane	**0.16**	**J**	0.69	0.13	ug/m3			01/14/16 21:13	1
Carbon tetrachloride	**0.40**	**J**	1.3	0.20	ug/m3			01/14/16 21:13	1
2,2,4-Trimethylpentane	**0.50**	**J**	0.93	0.18	ug/m3			01/14/16 21:13	1
Benzene	**0.65**		0.64	0.13	ug/m3			01/14/16 21:13	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 21:13	1
n-Heptane	**1.0**		0.82	0.16	ug/m3			01/14/16 21:13	1
Trichloroethene	**6.1**		1.1	0.21	ug/m3			01/14/16 21:13	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 21:13	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 21:13	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 21:13	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 21:13	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 21:13	1
methyl isobutyl ketone	**0.33**	**J**	2.0	0.20	ug/m3			01/14/16 21:13	1
Toluene	**3.5**		0.75	0.35	ug/m3			01/14/16 21:13	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 21:13	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 21:13	1
Tetrachloroethene	**0.19**	**J**	1.4	0.16	ug/m3			01/14/16 21:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			01/14/16 21:13	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 21:13	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 21:13	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 21:13	1
Ethylbenzene	**0.40**	**J**	0.87	0.14	ug/m3			01/14/16 21:13	1
m,p-Xylene	**1.3**	**J**	2.2	0.31	ug/m3			01/14/16 21:13	1
Xylene, o-	**0.46**	**J**	0.87	0.16	ug/m3			01/14/16 21:13	1
Xylene (total)	**1.8**	**J**	3.0	0.16	ug/m3			01/14/16 21:13	1
Styrene	ND		0.85	0.18	ug/m3			01/14/16 21:13	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 21:13	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 21:13	1

Client Sample ID: HC-8

Lab Sample ID: 200-31514-6

Date Collected: 01/09/16 15:50
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 21:13	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 21:13	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 21:13	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 21:13	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 21:13	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 21:13	1
1,2,4-Trimethylbenzene	**0.72**	**J**	0.98	0.21	ug/m3			01/14/16 21:13	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 21:13	1
4-Isopropyltoluene	**1.1**		1.1	0.20	ug/m3			01/14/16 21:13	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 21:13	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 21:13	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 21:13	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 21:13	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 21:13	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 21:13	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 21:13	1
Naphthalene	**0.44**	**J**	2.6	0.30	ug/m3			01/14/16 21:13	1

Client Sample ID: HC-5

Lab Sample ID: 200-31514-7

Date Collected: 01/09/16 15:45
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.46**	**J**	0.50	0.080	ppb v/v			01/14/16 22:04	1
Freon 22	**0.32**	**J**	0.50	0.057	ppb v/v			01/14/16 22:04	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 22:04	1
Chloromethane	**0.61**		0.50	0.093	ppb v/v			01/14/16 22:04	1
n-Butane	**2.4**		0.50	0.078	ppb v/v			01/14/16 22:04	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 22:04	1
1,3-Butadiene	**0.14**	**J**	0.20	0.089	ppb v/v			01/14/16 22:04	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 22:04	1
Chloroethane	**0.091**	**J**	0.50	0.085	ppb v/v			01/14/16 22:04	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
Trichlorofluoromethane	**0.18**	**J**	0.20	0.038	ppb v/v			01/14/16 22:04	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 22:04	1
1,1-Dichloroethene	**1.1**		0.20	0.036	ppb v/v			01/14/16 22:04	1
Acetone	**42**	**E**	5.0	0.86	ppb v/v			01/14/16 22:04	1
Isopropyl alcohol	**4.3**	**J**	5.0	0.98	ppb v/v			01/14/16 22:04	1
Carbon disulfide	**0.49**	**J**	0.50	0.043	ppb v/v			01/14/16 22:04	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 22:04	1
Methylene Chloride	**0.26**	**J**	0.50	0.18	ppb v/v			01/14/16 22:04	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 22:04	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 22:04	1
trans-1,2-Dichloroethene	**0.059**	**J**	0.20	0.043	ppb v/v			01/14/16 22:04	1
n-Hexane	**0.31**		0.20	0.054	ppb v/v			01/14/16 22:04	1
1,1-Dichloroethane	**0.39**		0.20	0.025	ppb v/v			01/14/16 22:04	1
Methyl Ethyl Ketone	**2.9**		0.50	0.052	ppb v/v			01/14/16 22:04	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-5

Date Collected: 01/09/16 15:45
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-7

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**0.71**		0.20	0.035	ppb v/v			01/14/16 22:04	1
1,2-Dichloroethene, Total	**0.77**		0.40	0.035	ppb v/v			01/14/16 22:04	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 22:04	1
Tetrahydrofuran	**2.2**	**J**	5.0	1.4	ppb v/v			01/14/16 22:04	1
1,1,1-Trichloroethane	**10**		0.20	0.046	ppb v/v			01/14/16 22:04	1
Cyclohexane	**0.25**		0.20	0.039	ppb v/v			01/14/16 22:04	1
Carbon tetrachloride	**0.055**	**J**	0.20	0.032	ppb v/v			01/14/16 22:04	1
2,2,4-Trimethylpentane	**0.076**	**J**	0.20	0.039	ppb v/v			01/14/16 22:04	1
Benzene	**0.32**		0.20	0.042	ppb v/v			01/14/16 22:04	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 22:04	1
n-Heptane	**0.40**		0.20	0.040	ppb v/v			01/14/16 22:04	1
Trichloroethene	**7.8**		0.20	0.039	ppb v/v			01/14/16 22:04	1
Methyl methacrylate	**0.32**	**J**	0.50	0.040	ppb v/v			01/14/16 22:04	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 22:04	1
1,4-Dioxane	**0.65**	**J**	5.0	0.56	ppb v/v			01/14/16 22:04	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 22:04	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 22:04	1
methyl isobutyl ketone	**0.15**	**J**	0.50	0.050	ppb v/v			01/14/16 22:04	1
Toluene	**1.4**		0.20	0.093	ppb v/v			01/14/16 22:04	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 22:04	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 22:04	1
Tetrachloroethene	**0.037**	**J**	0.20	0.023	ppb v/v			01/14/16 22:04	1
Methyl Butyl Ketone (2-Hexanone)	**0.37**	**J**	0.50	0.057	ppb v/v			01/14/16 22:04	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 22:04	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 22:04	1
Ethylbenzene	**0.13**	**J**	0.20	0.033	ppb v/v			01/14/16 22:04	1
m,p-Xylene	**0.50**		0.50	0.071	ppb v/v			01/14/16 22:04	1
Xylene, o-	**0.18**	**J**	0.20	0.037	ppb v/v			01/14/16 22:04	1
Xylene (total)	**0.68**	**J**	0.70	0.037	ppb v/v			01/14/16 22:04	1
Styrene	**0.046**	**J**	0.20	0.043	ppb v/v			01/14/16 22:04	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 22:04	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 22:04	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 22:04	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
1,3,5-Trimethylbenzene	**0.089**	**J**	0.20	0.039	ppb v/v			01/14/16 22:04	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 22:04	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
1,2,4-Trimethylbenzene	**0.39**		0.20	0.043	ppb v/v			01/14/16 22:04	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 22:04	1
4-Isopropyltoluene	**1.1**		0.20	0.037	ppb v/v			01/14/16 22:04	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 22:04	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 22:04	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 22:04	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 22:04	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 22:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 22:04	1

Client Sample ID: HC-5

Lab Sample ID: 200-31514-7

Date Collected: 01/09/16 15:45
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 22:04	1
Naphthalene	**0.18**	**J**	0.50	0.057	ppb v/v			01/14/16 22:04	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.3**	**J**	2.5	0.40	ug/m3			01/14/16 22:04	1
Freon 22	**1.1**	**J**	1.8	0.20	ug/m3			01/14/16 22:04	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 22:04	1
Chloromethane	**1.2**		1.0	0.19	ug/m3			01/14/16 22:04	1
n-Butane	**5.6**		1.2	0.19	ug/m3			01/14/16 22:04	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 22:04	1
1,3-Butadiene	**0.30**	**J**	0.44	0.20	ug/m3			01/14/16 22:04	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 22:04	1
Chloroethane	**0.24**	**J**	1.3	0.22	ug/m3			01/14/16 22:04	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 22:04	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.21	ug/m3			01/14/16 22:04	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 22:04	1
1,1-Dichloroethene	**4.4**		0.79	0.14	ug/m3			01/14/16 22:04	1
Acetone	**100**	**E**	12	2.0	ug/m3			01/14/16 22:04	1
Isopropyl alcohol	**10**	**J**	12	2.4	ug/m3			01/14/16 22:04	1
Carbon disulfide	**1.5**	**J**	1.6	0.13	ug/m3			01/14/16 22:04	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 22:04	1
Methylene Chloride	**0.90**	**J**	1.7	0.63	ug/m3			01/14/16 22:04	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 22:04	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 22:04	1
trans-1,2-Dichloroethene	**0.23**	**J**	0.79	0.17	ug/m3			01/14/16 22:04	1
n-Hexane	**1.1**		0.70	0.19	ug/m3			01/14/16 22:04	1
1,1-Dichloroethane	**1.6**		0.81	0.10	ug/m3			01/14/16 22:04	1
Methyl Ethyl Ketone	**8.5**		1.5	0.15	ug/m3			01/14/16 22:04	1
cis-1,2-Dichloroethene	**2.8**		0.79	0.14	ug/m3			01/14/16 22:04	1
1,2-Dichloroethene, Total	**3.0**		1.6	0.14	ug/m3			01/14/16 22:04	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 22:04	1
Tetrahydrofuran	**6.5**	**J**	15	4.1	ug/m3			01/14/16 22:04	1
1,1,1-Trichloroethane	**55**		1.1	0.25	ug/m3			01/14/16 22:04	1
Cyclohexane	**0.87**		0.69	0.13	ug/m3			01/14/16 22:04	1
Carbon tetrachloride	**0.35**	**J**	1.3	0.20	ug/m3			01/14/16 22:04	1
2,2,4-Trimethylpentane	**0.35**	**J**	0.93	0.18	ug/m3			01/14/16 22:04	1
Benzene	**1.0**		0.64	0.13	ug/m3			01/14/16 22:04	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 22:04	1
n-Heptane	**1.6**		0.82	0.16	ug/m3			01/14/16 22:04	1
Trichloroethene	**42**		1.1	0.21	ug/m3			01/14/16 22:04	1
Methyl methacrylate	**1.3**	**J**	2.0	0.16	ug/m3			01/14/16 22:04	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 22:04	1
1,4-Dioxane	**2.3**	**J**	18	2.0	ug/m3			01/14/16 22:04	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 22:04	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 22:04	1
methyl isobutyl ketone	**0.59**	**J**	2.0	0.20	ug/m3			01/14/16 22:04	1
Toluene	**5.4**		0.75	0.35	ug/m3			01/14/16 22:04	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 22:04	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 22:04	1

Client Sample ID: HC-5

Lab Sample ID: 200-31514-7
Matrix: Air

Date Collected: 01/09/16 15:45
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.25**	**J**	1.4	0.16	ug/m3			01/14/16 22:04	1
Methyl Butyl Ketone (2-Hexanone)	**1.5**	**J**	2.0	0.23	ug/m3			01/14/16 22:04	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 22:04	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 22:04	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 22:04	1
Ethylbenzene	**0.55**	**J**	0.87	0.14	ug/m3			01/14/16 22:04	1
m,p-Xylene	**2.2**		2.2	0.31	ug/m3			01/14/16 22:04	1
Xylene, o-	**0.76**	**J**	0.87	0.16	ug/m3			01/14/16 22:04	1
Xylene (total)	**3.0**	**J**	3.0	0.16	ug/m3			01/14/16 22:04	1
Styrene	**0.20**	**J**	0.85	0.18	ug/m3			01/14/16 22:04	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 22:04	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 22:04	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 22:04	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 22:04	1
1,3,5-Trimethylbenzene	**0.44**	**J**	0.98	0.19	ug/m3			01/14/16 22:04	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 22:04	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 22:04	1
1,2,4-Trimethylbenzene	**1.9**		0.98	0.21	ug/m3			01/14/16 22:04	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 22:04	1
4-Isopropyltoluene	**6.0**		1.1	0.20	ug/m3			01/14/16 22:04	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 22:04	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 22:04	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 22:04	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 22:04	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 22:04	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 22:04	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 22:04	1
Naphthalene	**0.93**	**J**	2.6	0.30	ug/m3			01/14/16 22:04	1

Client Sample ID: HC-1

Lab Sample ID: 200-31514-8
Matrix: Air

Date Collected: 01/09/16 16:05
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.44**	**J**	0.50	0.080	ppb v/v			01/14/16 22:55	1
Freon 22	**0.24**	**J**	0.50	0.057	ppb v/v			01/14/16 22:55	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 22:55	1
Chloromethane	**0.69**		0.50	0.093	ppb v/v			01/14/16 22:55	1
n-Butane	**0.56**		0.50	0.078	ppb v/v			01/14/16 22:55	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 22:55	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 22:55	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 22:55	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 22:55	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1
Trichlorofluoromethane	**0.19**	**J**	0.20	0.038	ppb v/v			01/14/16 22:55	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 22:55	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-1

Date Collected: 01/09/16 16:05
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-31514-8

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			01/14/16 22:55	1
Acetone	**8.5**		5.0	0.86	ppb v/v			01/14/16 22:55	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			01/14/16 22:55	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			01/14/16 22:55	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 22:55	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			01/14/16 22:55	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 22:55	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 22:55	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 22:55	1
n-Hexane	**0.099**	**J**	0.20	0.054	ppb v/v			01/14/16 22:55	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			01/14/16 22:55	1
Methyl Ethyl Ketone	**1.1**		0.50	0.052	ppb v/v			01/14/16 22:55	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			01/14/16 22:55	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			01/14/16 22:55	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 22:55	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 22:55	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			01/14/16 22:55	1
Cyclohexane	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			01/14/16 22:55	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
Benzene	**0.13**	**J**	0.20	0.042	ppb v/v			01/14/16 22:55	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 22:55	1
n-Heptane	ND		0.20	0.040	ppb v/v			01/14/16 22:55	1
Trichloroethene	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 22:55	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 22:55	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 22:55	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 22:55	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 22:55	1
methyl isobutyl ketone	**0.24**	**J**	0.50	0.050	ppb v/v			01/14/16 22:55	1
Toluene	**0.15**	**J**	0.20	0.093	ppb v/v			01/14/16 22:55	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 22:55	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
Tetrachloroethene	**0.030**	**J**	0.20	0.023	ppb v/v			01/14/16 22:55	1
Methyl Butyl Ketone (2-Hexanone)	**0.12**	**J**	0.50	0.057	ppb v/v			01/14/16 22:55	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 22:55	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			01/14/16 22:55	1
m,p-Xylene	**0.083**	**J**	0.50	0.071	ppb v/v			01/14/16 22:55	1
Xylene, o-	ND		0.20	0.037	ppb v/v			01/14/16 22:55	1
Xylene (total)	**0.083**	**J**	0.70	0.037	ppb v/v			01/14/16 22:55	1
Styrene	ND		0.20	0.043	ppb v/v			01/14/16 22:55	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 22:55	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 22:55	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 22:55	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1

Client Sample ID: HC-1

Lab Sample ID: 200-31514-8

Date Collected: 01/09/16 16:05
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 22:55	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 22:55	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 22:55	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 22:55	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			01/14/16 22:55	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 22:55	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 22:55	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 22:55	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 22:55	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 22:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 22:55	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 22:55	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 22:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.40	ug/m3			01/14/16 22:55	1
Freon 22	**0.85**	**J**	1.8	0.20	ug/m3			01/14/16 22:55	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 22:55	1
Chloromethane	**1.4**		1.0	0.19	ug/m3			01/14/16 22:55	1
n-Butane	**1.3**		1.2	0.19	ug/m3			01/14/16 22:55	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 22:55	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 22:55	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 22:55	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 22:55	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 22:55	1
Trichlorofluoromethane	**1.1**	**J**	1.1	0.21	ug/m3			01/14/16 22:55	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 22:55	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			01/14/16 22:55	1
Acetone	**20**		12	2.0	ug/m3			01/14/16 22:55	1
Isopropyl alcohol	ND		12	2.4	ug/m3			01/14/16 22:55	1
Carbon disulfide	ND		1.6	0.13	ug/m3			01/14/16 22:55	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 22:55	1
Methylene Chloride	ND		1.7	0.63	ug/m3			01/14/16 22:55	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 22:55	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 22:55	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 22:55	1
n-Hexane	**0.35**	**J**	0.70	0.19	ug/m3			01/14/16 22:55	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			01/14/16 22:55	1
Methyl Ethyl Ketone	**3.3**		1.5	0.15	ug/m3			01/14/16 22:55	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			01/14/16 22:55	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			01/14/16 22:55	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 22:55	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 22:55	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			01/14/16 22:55	1
Cyclohexane	ND		0.69	0.13	ug/m3			01/14/16 22:55	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			01/14/16 22:55	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			01/14/16 22:55	1
Benzene	**0.42**	**J**	0.64	0.13	ug/m3			01/14/16 22:55	1

Client Sample Results

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-1

Lab Sample ID: 200-31514-8

Date Collected: 01/09/16 16:05
Matrix: Air
Date Received: 01/12/16 14:15
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 22:55	1
n-Heptane	ND		0.82	0.16	ug/m3			01/14/16 22:55	1
Trichloroethene	ND		1.1	0.21	ug/m3			01/14/16 22:55	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 22:55	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 22:55	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 22:55	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 22:55	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 22:55	1
methyl isobutyl ketone	**0.98**	**J**	2.0	0.20	ug/m3			01/14/16 22:55	1
Toluene	**0.56**	**J**	0.75	0.35	ug/m3			01/14/16 22:55	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 22:55	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 22:55	1
Tetrachloroethene	**0.20**	**J**	1.4	0.16	ug/m3			01/14/16 22:55	1
Methyl Butyl Ketone (2-Hexanone)	**0.51**	**J**	2.0	0.23	ug/m3			01/14/16 22:55	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 22:55	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 22:55	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 22:55	1
Ethylbenzene	ND		0.87	0.14	ug/m3			01/14/16 22:55	1
m,p-Xylene	**0.36**	**J**	2.2	0.31	ug/m3			01/14/16 22:55	1
Xylene, o-	ND		0.87	0.16	ug/m3			01/14/16 22:55	1
Xylene (total)	**0.36**	**J**	3.0	0.16	ug/m3			01/14/16 22:55	1
Styrene	ND		0.85	0.18	ug/m3			01/14/16 22:55	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 22:55	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 22:55	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 22:55	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 22:55	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 22:55	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 22:55	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 22:55	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 22:55	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			01/14/16 22:55	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 22:55	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			01/14/16 22:55	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 22:55	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 22:55	1
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 22:55	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 22:55	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 22:55	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 22:55	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 22:55	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 22:55	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-99524/6
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.080	ppb v/v			01/14/16 15:21	1
Freon 22	ND		0.50	0.057	ppb v/v			01/14/16 15:21	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			01/14/16 15:21	1
Chloromethane	ND		0.50	0.093	ppb v/v			01/14/16 15:21	1
n-Butane	ND		0.50	0.078	ppb v/v			01/14/16 15:21	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			01/14/16 15:21	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			01/14/16 15:21	1
Bromomethane	ND		0.20	0.056	ppb v/v			01/14/16 15:21	1
Chloroethane	ND		0.50	0.085	ppb v/v			01/14/16 15:21	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1
Trichlorofluoromethane	ND		0.20	0.038	ppb v/v			01/14/16 15:21	1
Freon TF	ND		0.20	0.075	ppb v/v			01/14/16 15:21	1
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			01/14/16 15:21	1
Acetone	ND		5.0	0.86	ppb v/v			01/14/16 15:21	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			01/14/16 15:21	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			01/14/16 15:21	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			01/14/16 15:21	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			01/14/16 15:21	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			01/14/16 15:21	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			01/14/16 15:21	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			01/14/16 15:21	1
n-Hexane	ND		0.20	0.054	ppb v/v			01/14/16 15:21	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			01/14/16 15:21	1
Methyl Ethyl Ketone	ND		0.50	0.052	ppb v/v			01/14/16 15:21	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			01/14/16 15:21	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			01/14/16 15:21	1
Chloroform	ND		0.20	0.082	ppb v/v			01/14/16 15:21	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			01/14/16 15:21	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			01/14/16 15:21	1
Cyclohexane	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			01/14/16 15:21	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
Benzene	ND		0.20	0.042	ppb v/v			01/14/16 15:21	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			01/14/16 15:21	1
n-Heptane	ND		0.20	0.040	ppb v/v			01/14/16 15:21	1
Trichloroethene	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			01/14/16 15:21	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			01/14/16 15:21	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			01/14/16 15:21	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			01/14/16 15:21	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			01/14/16 15:21	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			01/14/16 15:21	1
Toluene	ND		0.20	0.093	ppb v/v			01/14/16 15:21	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			01/14/16 15:21	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			01/14/16 15:21	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			01/14/16 15:21	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-99524/6
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			01/14/16 15:21	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			01/14/16 15:21	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			01/14/16 15:21	1
Xylene, o-	ND		0.20	0.037	ppb v/v			01/14/16 15:21	1
Xylene (total)	ND		0.70	0.037	ppb v/v			01/14/16 15:21	1
Styrene	ND		0.20	0.043	ppb v/v			01/14/16 15:21	1
Bromoform	ND		0.20	0.056	ppb v/v			01/14/16 15:21	1
Cumene	ND		0.20	0.030	ppb v/v			01/14/16 15:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 15:21	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			01/14/16 15:21	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			01/14/16 15:21	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			01/14/16 15:21	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			01/14/16 15:21	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			01/14/16 15:21	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 15:21	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			01/14/16 15:21	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			01/14/16 15:21	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			01/14/16 15:21	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			01/14/16 15:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			01/14/16 15:21	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			01/14/16 15:21	1
Naphthalene	ND		0.50	0.057	ppb v/v			01/14/16 15:21	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.40	ug/m3			01/14/16 15:21	1
Freon 22	ND		1.8	0.20	ug/m3			01/14/16 15:21	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			01/14/16 15:21	1
Chloromethane	ND		1.0	0.19	ug/m3			01/14/16 15:21	1
n-Butane	ND		1.2	0.19	ug/m3			01/14/16 15:21	1
Vinyl chloride	ND		0.51	0.082	ug/m3			01/14/16 15:21	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			01/14/16 15:21	1
Bromomethane	ND		0.78	0.22	ug/m3			01/14/16 15:21	1
Chloroethane	ND		1.3	0.22	ug/m3			01/14/16 15:21	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			01/14/16 15:21	1
Trichlorofluoromethane	ND		1.1	0.21	ug/m3			01/14/16 15:21	1
Freon TF	ND		1.5	0.57	ug/m3			01/14/16 15:21	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			01/14/16 15:21	1
Acetone	ND		12	2.0	ug/m3			01/14/16 15:21	1
Isopropyl alcohol	ND		12	2.4	ug/m3			01/14/16 15:21	1
Carbon disulfide	ND		1.6	0.13	ug/m3			01/14/16 15:21	1
3-Chloropropene	ND		1.6	0.21	ug/m3			01/14/16 15:21	1
Methylene Chloride	ND		1.7	0.63	ug/m3			01/14/16 15:21	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			01/14/16 15:21	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			01/14/16 15:21	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-99524/6
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			01/14/16 15:21	1
n-Hexane	ND		0.70	0.19	ug/m3			01/14/16 15:21	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			01/14/16 15:21	1
Methyl Ethyl Ketone	ND		1.5	0.15	ug/m3			01/14/16 15:21	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			01/14/16 15:21	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			01/14/16 15:21	1
Chloroform	ND		0.98	0.40	ug/m3			01/14/16 15:21	1
Tetrahydrofuran	ND		15	4.1	ug/m3			01/14/16 15:21	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			01/14/16 15:21	1
Cyclohexane	ND		0.69	0.13	ug/m3			01/14/16 15:21	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			01/14/16 15:21	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			01/14/16 15:21	1
Benzene	ND		0.64	0.13	ug/m3			01/14/16 15:21	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			01/14/16 15:21	1
n-Heptane	ND		0.82	0.16	ug/m3			01/14/16 15:21	1
Trichloroethene	ND		1.1	0.21	ug/m3			01/14/16 15:21	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			01/14/16 15:21	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			01/14/16 15:21	1
1,4-Dioxane	ND		18	2.0	ug/m3			01/14/16 15:21	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			01/14/16 15:21	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			01/14/16 15:21	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			01/14/16 15:21	1
Toluene	ND		0.75	0.35	ug/m3			01/14/16 15:21	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			01/14/16 15:21	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			01/14/16 15:21	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			01/14/16 15:21	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			01/14/16 15:21	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			01/14/16 15:21	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			01/14/16 15:21	1
Chlorobenzene	ND		0.92	0.23	ug/m3			01/14/16 15:21	1
Ethylbenzene	ND		0.87	0.14	ug/m3			01/14/16 15:21	1
m,p-Xylene	ND		2.2	0.31	ug/m3			01/14/16 15:21	1
Xylene, o-	ND		0.87	0.16	ug/m3			01/14/16 15:21	1
Xylene (total)	ND		3.0	0.16	ug/m3			01/14/16 15:21	1
Styrene	ND		0.85	0.18	ug/m3			01/14/16 15:21	1
Bromoform	ND		2.1	0.58	ug/m3			01/14/16 15:21	1
Cumene	ND		0.98	0.15	ug/m3			01/14/16 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			01/14/16 15:21	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			01/14/16 15:21	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			01/14/16 15:21	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			01/14/16 15:21	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			01/14/16 15:21	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 15:21	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			01/14/16 15:21	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			01/14/16 15:21	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			01/14/16 15:21	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 15:21	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			01/14/16 15:21	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-99524/6
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		1.0	0.27	ug/m3			01/14/16 15:21	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			01/14/16 15:21	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			01/14/16 15:21	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			01/14/16 15:21	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			01/14/16 15:21	1
Naphthalene	ND		2.6	0.30	ug/m3			01/14/16 15:21	1

Lab Sample ID: LCS 200-99524/3
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.33		ppb v/v		93	70 - 130
Freon 22	10.0	9.19		ppb v/v		92	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	10.1		ppb v/v		101	70 - 130
Chloromethane	10.0	8.52		ppb v/v		85	70 - 130
n-Butane	10.0	8.28		ppb v/v		83	70 - 130
Vinyl chloride	10.0	8.72		ppb v/v		87	70 - 130
1,3-Butadiene	10.0	8.28		ppb v/v		83	70 - 130
Bromomethane	10.0	9.50		ppb v/v		95	70 - 130
Chloroethane	10.0	8.99		ppb v/v		90	70 - 130
Bromoethene(Vinyl Bromide)	10.0	9.18		ppb v/v		92	70 - 130
Trichlorofluoromethane	10.0	9.02		ppb v/v		90	70 - 130
Freon TF	10.0	9.31		ppb v/v		93	70 - 130
1,1-Dichloroethene	10.0	9.02		ppb v/v		90	70 - 130
Acetone	10.0	8.55		ppb v/v		85	70 - 130
Isopropyl alcohol	10.0	7.19		ppb v/v		72	70 - 130
Carbon disulfide	10.0	10.3		ppb v/v		103	70 - 130
3-Chloropropene	10.0	7.86		ppb v/v		79	70 - 130
Methylene Chloride	10.0	8.25		ppb v/v		82	70 - 130
tert-Butyl alcohol	10.0	7.84		ppb v/v		78	70 - 130
Methyl tert-butyl ether	10.0	8.88		ppb v/v		89	70 - 130
trans-1,2-Dichloroethene	10.0	9.42		ppb v/v		94	70 - 130
n-Hexane	10.0	9.17		ppb v/v		92	70 - 130
1,1-Dichloroethane	10.0	8.99		ppb v/v		90	70 - 130
Methyl Ethyl Ketone	10.0	9.13		ppb v/v		91	70 - 130
cis-1,2-Dichloroethene	10.0	9.60		ppb v/v		96	70 - 130
Chloroform	10.0	9.81		ppb v/v		98	70 - 130
Tetrahydrofuran	10.0	9.43		ppb v/v		94	70 - 130
1,1,1-Trichloroethane	10.0	9.48		ppb v/v		95	70 - 130
Cyclohexane	10.0	9.90		ppb v/v		99	70 - 130
Carbon tetrachloride	10.0	9.64		ppb v/v		96	70 - 130
2,2,4-Trimethylpentane	10.0	9.86		ppb v/v		99	70 - 130
Benzene	10.0	9.79		ppb v/v		98	70 - 130
1,2-Dichloroethane	10.0	9.76		ppb v/v		98	70 - 130
n-Heptane	10.0	9.92		ppb v/v		99	70 - 130
Trichloroethene	10.0	9.83		ppb v/v		98	70 - 130
Methyl methacrylate	10.0	10.1		ppb v/v		101	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-99524/3
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	10.5		ppb v/v		105	70 - 130
1,4-Dioxane	10.0	9.27		ppb v/v		93	70 - 130
Bromodichloromethane	10.0	9.91		ppb v/v		99	70 - 130
cis-1,3-Dichloropropene	10.0	10.3		ppb v/v		103	70 - 130
methyl isobutyl ketone	10.0	10.2		ppb v/v		102	70 - 130
Toluene	10.0	9.73		ppb v/v		97	70 - 130
trans-1,3-Dichloropropene	10.0	10.2		ppb v/v		102	70 - 130
1,1,2-Trichloroethane	10.0	10.3		ppb v/v		103	70 - 130
Tetrachloroethene	10.0	9.61		ppb v/v		96	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.85		ppb v/v		99	70 - 130
Dibromochloromethane	10.0	9.58		ppb v/v		96	70 - 130
1,2-Dibromoethane	10.0	10.2		ppb v/v		102	70 - 130
Chlorobenzene	10.0	9.80		ppb v/v		98	70 - 130
Ethylbenzene	10.0	9.75		ppb v/v		98	70 - 130
m,p-Xylene	20.0	19.3		ppb v/v		97	70 - 130
Xylene, o-	10.0	9.39		ppb v/v		94	70 - 130
Styrene	10.0	9.52		ppb v/v		95	70 - 130
Bromoform	10.0	10.3		ppb v/v		103	70 - 130
Cumene	10.0	9.48		ppb v/v		95	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.5		ppb v/v		105	70 - 130
n-Propylbenzene	10.0	9.92		ppb v/v		99	70 - 130
4-Ethyltoluene	10.0	10.6		ppb v/v		106	70 - 130
1,3,5-Trimethylbenzene	10.0	10.0		ppb v/v		100	70 - 130
2-Chlorotoluene	10.0	9.86		ppb v/v		99	70 - 130
tert-Butylbenzene	10.0	10.1		ppb v/v		101	70 - 130
1,2,4-Trimethylbenzene	10.0	10.1		ppb v/v		101	70 - 130
sec-Butylbenzene	10.0	9.88		ppb v/v		99	70 - 130
4-Isopropyltoluene	10.0	7.54		ppb v/v		75	70 - 130
1,3-Dichlorobenzene	10.0	10.4		ppb v/v		104	70 - 130
1,4-Dichlorobenzene	10.0	10.3		ppb v/v		103	70 - 130
Benzyl chloride	10.0	9.58		ppb v/v		96	70 - 130
n-Butylbenzene	10.0	9.40		ppb v/v		94	70 - 130
1,2-Dichlorobenzene	10.0	10.2		ppb v/v		102	70 - 130
1,2,4-Trichlorobenzene	10.0	8.86		ppb v/v		89	70 - 130
Hexachlorobutadiene	10.0	9.81		ppb v/v		98	70 - 130
Naphthalene	10.0	7.72		ppb v/v		77	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	46.1		ug/m3		93	70 - 130
Freon 22	35	32.5		ug/m3		92	70 - 130
1,2-Dichlorotetrafluoroethane	70	70.8		ug/m3		101	70 - 130
Chloromethane	21	17.6		ug/m3		85	70 - 130
n-Butane	24	19.7		ug/m3		83	70 - 130
Vinyl chloride	26	22.3		ug/m3		87	70 - 130
1,3-Butadiene	22	18.3		ug/m3		83	70 - 130
Bromomethane	39	36.9		ug/m3		95	70 - 130
Chloroethane	26	23.7		ug/m3		90	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-99524/3
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoethene(Vinyl Bromide)	44	40.2		ug/m3		92	70 - 130
Trichlorofluoromethane	56	50.7		ug/m3		90	70 - 130
Freon TF	77	71.3		ug/m3		93	70 - 130
1,1-Dichloroethene	40	35.8		ug/m3		90	70 - 130
Acetone	24	20.3		ug/m3		85	70 - 130
Isopropyl alcohol	25	17.7		ug/m3		72	70 - 130
Carbon disulfide	31	32.0		ug/m3		103	70 - 130
3-Chloropropene	31	24.6		ug/m3		79	70 - 130
Methylene Chloride	35	28.6		ug/m3		82	70 - 130
tert-Butyl alcohol	30	23.8		ug/m3		78	70 - 130
Methyl tert-butyl ether	36	32.0		ug/m3		89	70 - 130
trans-1,2-Dichloroethene	40	37.3		ug/m3		94	70 - 130
n-Hexane	35	32.3		ug/m3		92	70 - 130
1,1-Dichloroethane	40	36.4		ug/m3		90	70 - 130
Methyl Ethyl Ketone	29	26.9		ug/m3		91	70 - 130
cis-1,2-Dichloroethene	40	38.1		ug/m3		96	70 - 130
Chloroform	49	47.9		ug/m3		98	70 - 130
Tetrahydrofuran	29	27.8		ug/m3		94	70 - 130
1,1,1-Trichloroethane	55	51.7		ug/m3		95	70 - 130
Cyclohexane	34	34.1		ug/m3		99	70 - 130
Carbon tetrachloride	63	60.6		ug/m3		96	70 - 130
2,2,4-Trimethylpentane	47	46.1		ug/m3		99	70 - 130
Benzene	32	31.3		ug/m3		98	70 - 130
1,2-Dichloroethane	40	39.5		ug/m3		98	70 - 130
n-Heptane	41	40.6		ug/m3		99	70 - 130
Trichloroethene	54	52.9		ug/m3		98	70 - 130
Methyl methacrylate	41	41.5		ug/m3		101	70 - 130
1,2-Dichloropropane	46	48.4		ug/m3		105	70 - 130
1,4-Dioxane	36	33.4		ug/m3		93	70 - 130
Bromodichloromethane	67	66.4		ug/m3		99	70 - 130
cis-1,3-Dichloropropene	45	47.0		ug/m3		103	70 - 130
methyl isobutyl ketone	41	41.8		ug/m3		102	70 - 130
Toluene	38	36.7		ug/m3		97	70 - 130
trans-1,3-Dichloropropene	45	46.1		ug/m3		102	70 - 130
1,1,2-Trichloroethane	55	56.2		ug/m3		103	70 - 130
Tetrachloroethene	68	65.2		ug/m3		96	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	40.4		ug/m3		99	70 - 130
Dibromochloromethane	85	81.6		ug/m3		96	70 - 130
1,2-Dibromoethane	77	78.1		ug/m3		102	70 - 130
Chlorobenzene	46	45.1		ug/m3		98	70 - 130
Ethylbenzene	43	42.4		ug/m3		98	70 - 130
m,p-Xylene	87	83.9		ug/m3		97	70 - 130
Xylene, o-	43	40.8		ug/m3		94	70 - 130
Styrene	43	40.6		ug/m3		95	70 - 130
Bromoform	100	107		ug/m3		103	70 - 130
Cumene	49	46.6		ug/m3		95	70 - 130
1,1,2,2-Tetrachloroethane	69	71.9		ug/m3		105	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-99524/3
Matrix: Air
Analysis Batch: 99524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	49	48.8		ug/m3		99	70 - 130
4-Ethyltoluene	49	52.1		ug/m3		106	70 - 130
1,3,5-Trimethylbenzene	49	49.3		ug/m3		100	70 - 130
2-Chlorotoluene	52	51.0		ug/m3		99	70 - 130
tert-Butylbenzene	55	55.4		ug/m3		101	70 - 130
1,2,4-Trimethylbenzene	49	49.5		ug/m3		101	70 - 130
sec-Butylbenzene	55	54.2		ug/m3		99	70 - 130
4-Isopropyltoluene	55	41.4		ug/m3		75	70 - 130
1,3-Dichlorobenzene	60	62.7		ug/m3		104	70 - 130
1,4-Dichlorobenzene	60	62.2		ug/m3		103	70 - 130
Benzyl chloride	52	49.6		ug/m3		96	70 - 130
n-Butylbenzene	55	51.6		ug/m3		94	70 - 130
1,2-Dichlorobenzene	60	61.1		ug/m3		102	70 - 130
1,2,4-Trichlorobenzene	74	65.7		ug/m3		89	70 - 130
Hexachlorobutadiene	110	105		ug/m3		98	70 - 130
Naphthalene	52	40.5		ug/m3		77	70 - 130

Lab Sample ID: 200-31514-1 DU
Matrix: Air
Analysis Batch: 99524

Client Sample ID: HC-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	0.47	J	0.482	J	ppb v/v		3	25
Freon 22	0.28	J	0.293	J	ppb v/v		4	25
1,2-Dichlorotetrafluoroethane	ND		ND		ppb v/v		NC	25
Chloromethane	0.61		0.615		ppb v/v		0.7	25
n-Butane	1.8		1.90		ppb v/v		4	25
Vinyl chloride	ND		ND		ppb v/v		NC	25
1,3-Butadiene	0.094	J	0.0962	J	ppb v/v		3	25
Bromomethane	ND		ND		ppb v/v		NC	25
Chloroethane	ND		ND		ppb v/v		NC	25
Bromoethene(Vinyl Bromide)	ND		ND		ppb v/v		NC	25
Trichlorofluoromethane	0.20		0.204		ppb v/v		3	25
Freon TF	ND		ND		ppb v/v		NC	25
1,1-Dichloroethene	0.68		0.717		ppb v/v		5	25
Acetone	24		24.3		ppb v/v		1	25
Isopropyl alcohol	4.3	J	4.49	J	ppb v/v		5	25
Carbon disulfide	0.31	J	0.334	J	ppb v/v		6	25
3-Chloropropene	ND		ND		ppb v/v		NC	25
Methylene Chloride	0.27	J	0.280	J	ppb v/v		3	25
tert-Butyl alcohol	ND		ND		ppb v/v		NC	25
Methyl tert-butyl ether	ND		ND		ppb v/v		NC	25
trans-1,2-Dichloroethene	ND		ND		ppb v/v		NC	25
n-Hexane	0.33		0.337		ppb v/v		2	25
1,1-Dichloroethane	0.30		0.316		ppb v/v		5	25
Methyl Ethyl Ketone	0.96		1.02		ppb v/v		6	25
cis-1,2-Dichloroethene	0.48		0.482		ppb v/v		0.4	25
1,2-Dichloroethene, Total	0.48		0.482		ppb v/v		0.4	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: 200-31514-1 DU
Matrix: Air
Analysis Batch: 99524

Client Sample ID: HC-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloroform	ND			ND		ppb v/v				NC	25
Tetrahydrofuran	ND			ND		ppb v/v				NC	25
1,1,1-Trichloroethane	7.5			7.73		ppb v/v				3	25
Cyclohexane	0.25			0.253		ppb v/v				2	25
Carbon tetrachloride	0.058	J		0.0575	J	ppb v/v				1	25
2,2,4-Trimethylpentane	2.0			2.05		ppb v/v				2	25
Benzene	0.41			0.421		ppb v/v				4	25
1,2-Dichloroethane	ND			ND		ppb v/v				NC	25
n-Heptane	0.54			0.522		ppb v/v				4	25
Trichloroethene	3.3			3.36		ppb v/v				3	25
Methyl methacrylate	ND			ND		ppb v/v				NC	25
1,2-Dichloropropane	ND			ND		ppb v/v				NC	25
1,4-Dioxane	0.57	J		0.577	J	ppb v/v				0.4	25
Bromodichloromethane	ND			ND		ppb v/v				NC	25
cis-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
methyl isobutyl ketone	0.12	J		0.129	J	ppb v/v				6	25
Toluene	9.1			9.16		ppb v/v				0.4	25
trans-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
1,1,2-Trichloroethane	ND			ND		ppb v/v				NC	25
Tetrachloroethene	1.6			1.58		ppb v/v				0.7	25
Methyl Butyl Ketone (2-Hexanone)	0.18	J		0.148	J	ppb v/v				18	25
Dibromochloromethane	ND			ND		ppb v/v				NC	25
1,2-Dibromoethane	ND			ND		ppb v/v				NC	25
Chlorobenzene	ND			ND		ppb v/v				NC	25
Ethylbenzene	1.5			1.50		ppb v/v				1	25
m,p-Xylene	5.7			5.75		ppb v/v				0.4	25
Xylene, o-	2.2			2.14		ppb v/v				0.7	25
Xylene (total)	7.9			7.89		ppb v/v				0.1	25
Styrene	0.067	J		0.0614	J	ppb v/v				8	25
Bromoform	ND			ND		ppb v/v				NC	25
Cumene	0.26			0.263		ppb v/v				3	25
1,1,2,2-Tetrachloroethane	ND			ND		ppb v/v				NC	25
n-Propylbenzene	0.76			0.758		ppb v/v				0.3	25
4-Ethyltoluene	1.4			1.44		ppb v/v				0.4	25
1,3,5-Trimethylbenzene	1.0			1.00		ppb v/v				0.2	25
2-Chlorotoluene	0.15	J		0.164	J	ppb v/v				7	25
tert-Butylbenzene	ND			ND		ppb v/v				NC	25
1,2,4-Trimethylbenzene	3.9			3.87		ppb v/v				0.06	25
sec-Butylbenzene	ND			ND		ppb v/v				NC	25
4-Isopropyltoluene	0.047	J		0.0382	J	ppb v/v				20	25
1,3-Dichlorobenzene	ND			ND		ppb v/v				NC	25
1,4-Dichlorobenzene	ND			ND		ppb v/v				NC	25
Benzyl chloride	ND			ND		ppb v/v				NC	25
n-Butylbenzene	0.089	J		0.0900	J	ppb v/v				0.7	25
1,2-Dichlorobenzene	ND			ND		ppb v/v				NC	25
1,2,4-Trichlorobenzene	ND			ND		ppb v/v				NC	25
Hexachlorobutadiene	ND			ND		ppb v/v				NC	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: 200-31514-1 DU
Matrix: Air
Analysis Batch: 99524

Client Sample ID: HC-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Naphthalene	0.17	J		0.165	J	ppb v/v				3	25

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	2.3	J		2.38	J	ug/m3				3	25
Freon 22	1.0	J		1.04	J	ug/m3				4	25
1,2-Dichlorotetrafluoroethane	ND			ND		ug/m3				NC	25
Chloromethane	1.3			1.27		ug/m3				0.7	25
n-Butane	4.3			4.51		ug/m3				4	25
Vinyl chloride	ND			ND		ug/m3				NC	25
1,3-Butadiene	0.21	J		0.213	J	ug/m3				3	25
Bromomethane	ND			ND		ug/m3				NC	25
Chloroethane	ND			ND		ug/m3				NC	25
Bromoethene(Vinyl Bromide)	ND			ND		ug/m3				NC	25
Trichlorofluoromethane	1.1			1.14		ug/m3				3	25
Freon TF	ND			ND		ug/m3				NC	25
1,1-Dichloroethene	2.7			2.84		ug/m3				5	25
Acetone	57			57.6		ug/m3				1	25
Isopropyl alcohol	11	J		11.0	J	ug/m3				5	25
Carbon disulfide	0.98	J		1.04	J	ug/m3				6	25
3-Chloropropene	ND			ND		ug/m3				NC	25
Methylene Chloride	0.94	J		0.974	J	ug/m3				3	25
tert-Butyl alcohol	ND			ND		ug/m3				NC	25
Methyl tert-butyl ether	ND			ND		ug/m3				NC	25
trans-1,2-Dichloroethene	ND			ND		ug/m3				NC	25
n-Hexane	1.2			1.19		ug/m3				2	25
1,1-Dichloroethane	1.2			1.28		ug/m3				5	25
Methyl Ethyl Ketone	2.8			2.99		ug/m3				6	25
cis-1,2-Dichloroethene	1.9			1.91		ug/m3				0.4	25
1,2-Dichloroethene, Total	1.9			1.91		ug/m3				0.4	25
Chloroform	ND			ND		ug/m3				NC	25
Tetrahydrofuran	ND			ND		ug/m3				NC	25
1,1,1-Trichloroethane	41			42.2		ug/m3				3	25
Cyclohexane	0.86			0.869		ug/m3				2	25
Carbon tetrachloride	0.37	J		0.362	J	ug/m3				1	25
2,2,4-Trimethylpentane	9.4			9.59		ug/m3				2	25
Benzene	1.3			1.35		ug/m3				4	25
1,2-Dichloroethane	ND			ND		ug/m3				NC	25
n-Heptane	2.2			2.14		ug/m3				4	25
Trichloroethene	18			18.1		ug/m3				3	25
Methyl methacrylate	ND			ND		ug/m3				NC	25
1,2-Dichloropropane	ND			ND		ug/m3				NC	25
1,4-Dioxane	2.1	J		2.08	J	ug/m3				0.4	25
Bromodichloromethane	ND			ND		ug/m3				NC	25
cis-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
methyl isobutyl ketone	0.50	J		0.528	J	ug/m3				6	25
Toluene	34			34.5		ug/m3				0.4	25
trans-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
1,1,2-Trichloroethane	ND			ND		ug/m3				NC	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: 200-31514-1 DU
Matrix: Air
Analysis Batch: 99524

Client Sample ID: HC-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Tetrachloroethene	11			10.7		ug/m3				0.7	25
Methyl Butyl Ketone (2-Hexanone)	0.72	J		0.605	J	ug/m3				18	25
Dibromochloromethane	ND			ND		ug/m3				NC	25
1,2-Dibromoethane	ND			ND		ug/m3				NC	25
Chlorobenzene	ND			ND		ug/m3				NC	25
Ethylbenzene	6.4			6.51		ug/m3				1	25
m,p-Xylene	25			25.0		ug/m3				0.4	25
Xylene, o-	9.4			9.31		ug/m3				0.7	25
Xylene (total)	34			34.3		ug/m3				0.1	25
Styrene	0.28	J		0.262	J	ug/m3				8	25
Bromoform	ND			ND		ug/m3				NC	25
Cumene	1.3			1.29		ug/m3				3	25
1,1,2,2-Tetrachloroethane	ND			ND		ug/m3				NC	25
n-Propylbenzene	3.7			3.72		ug/m3				0.3	25
4-Ethyltoluene	7.0			7.07		ug/m3				0.4	25
1,3,5-Trimethylbenzene	4.9			4.92		ug/m3				0.2	25
2-Chlorotoluene	0.79	J		0.849	J	ug/m3				7	25
tert-Butylbenzene	ND			ND		ug/m3				NC	25
1,2,4-Trimethylbenzene	19			19.0		ug/m3				0.06	25
sec-Butylbenzene	ND			ND		ug/m3				NC	25
4-Isopropyltoluene	0.26	J		0.210	J	ug/m3				20	25
1,3-Dichlorobenzene	ND			ND		ug/m3				NC	25
1,4-Dichlorobenzene	ND			ND		ug/m3				NC	25
Benzyl chloride	ND			ND		ug/m3				NC	25
n-Butylbenzene	0.49	J		0.494	J	ug/m3				0.7	25
1,2-Dichlorobenzene	ND			ND		ug/m3				NC	25
1,2,4-Trichlorobenzene	ND			ND		ug/m3				NC	25
Hexachlorobutadiene	ND			ND		ug/m3				NC	25
Naphthalene	0.89	J		0.865	J	ug/m3				3	25

QC Association Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Air - GC/MS VOA

Analysis Batch: 99524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-31514-1	HC-7	Total/NA	Air	TO-15	
200-31514-1 DU	HC-7	Total/NA	Air	TO-15	
200-31514-2	HC-6	Total/NA	Air	TO-15	
200-31514-3	HC-2	Total/NA	Air	TO-15	
200-31514-4	HC-4	Total/NA	Air	TO-15	
200-31514-5	HC-3	Total/NA	Air	TO-15	
200-31514-6	HC-8	Total/NA	Air	TO-15	
200-31514-7	HC-5	Total/NA	Air	TO-15	
200-31514-8	HC-1	Total/NA	Air	TO-15	
LCS 200-99524/3	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-99524/6	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-7 — Lab Sample ID: 200-31514-1

Date Collected: 01/09/16 15:35 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 16:12	WRD	TAL BUR

Client Sample ID: HC-6 — Lab Sample ID: 200-31514-2

Date Collected: 01/09/16 15:38 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 17:52	WRD	TAL BUR

Client Sample ID: HC-2 — Lab Sample ID: 200-31514-3

Date Collected: 01/09/16 15:55 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 18:42	WRD	TAL BUR

Client Sample ID: HC-4 — Lab Sample ID: 200-31514-4

Date Collected: 01/09/16 15:58 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 19:33	WRD	TAL BUR

Client Sample ID: HC-3 — Lab Sample ID: 200-31514-5

Date Collected: 01/09/16 16:00 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 20:23	WRD	TAL BUR

Client Sample ID: HC-8 — Lab Sample ID: 200-31514-6

Date Collected: 01/09/16 15:50 — **Matrix: Air**
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 21:13	WRD	TAL BUR

Lab Chronicle

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Client Sample ID: HC-5

Lab Sample ID: 200-31514-7
Date Collected: 01/09/16 15:45
Matrix: Air
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 22:04	WRD	TAL BUR

Client Sample ID: HC-1

Lab Sample ID: 200-31514-8
Date Collected: 01/09/16 16:05
Matrix: Air
Date Received: 01/12/16 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	99524	01/14/16 22:55	WRD	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Laboratory: TestAmerica Burlington

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-16
Florida	NELAP	4	E87467	06-30-16
L-A-B	DoD ELAP		L2336	02-26-17
Maine	State Program	1	VT00008	04-17-17
Minnesota	NELAP	5	050-999-436	12-31-16
New Hampshire	NELAP	1	2006	12-18-16
New Jersey	NELAP	2	VT972	06-30-16
New York	NELAP	2	10391	03-31-16
Pennsylvania	NELAP	3	68-00489	04-30-16
Rhode Island	State Program	1	LAO00298	12-30-15 *
US Fish & Wildlife	Federal		LE-058448-0	02-28-16
USDA	Federal		P330-11-00093	10-28-16
Vermont	State Program	1	VT-4000	12-31-16
Virginia	NELAP	3	460209	12-14-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: CORR Environmental Resources Inc
Project/Site: S&R Packing and Crating

TestAmerica Job ID: 200-31514-1
SDG: 200-31514

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-31514-1	HC-7	Air	01/09/16 15:35	01/12/16 14:15
200-31514-2	HC-6	Air	01/09/16 15:38	01/12/16 14:15
200-31514-3	HC-2	Air	01/09/16 15:55	01/12/16 14:15
200-31514-4	HC-4	Air	01/09/16 15:58	01/12/16 14:15
200-31514-5	HC-3	Air	01/09/16 16:00	01/12/16 14:15
200-31514-6	HC-8	Air	01/09/16 15:50	01/12/16 14:15
200-31514-7	HC-5	Air	01/09/16 15:45	01/12/16 14:15
200-31514-8	HC-1	Air	01/09/16 16:05	01/12/16 14:15

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: RAY ROBLIN	Samples Collected By: CORR ROBLIN	1 of 2 COCs
Company: CORR ERI	Phone: 972 523 0487		
Address: 4609 CANDLESTICK	Email: CORRERI@VERIZON.NET		
City/State/Zip GARLAND, TX 75043			
Phone:	Site Contact: GMS		
FAX: 972/523 0487	TA Contact: K. KELLY		
Project Name: HEATCRAFT	Analysis Turnaround Time		
Site: WILMINGTON NC	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
HC-7	1-8	1535	1535	-30	-8	5009	5630	✓											
HC-6	1-8	1540	1538	-30+	-7	3170	3342	✓											
HC-2	1-8	1545	1555	-30+	-3	3701	5975	✓											
HC-4	1-8	1550	1558	-30+	-7	4931	5167	✓											
HC-3	1-8	1555	1600	-30	-5	4515	5150	✓											
HC-5	1-8	1600	1550	-29	-4	5223	3087	✓											

Temperature (Fahrenheit)	Interior	Ambient
Start	61	54
Stop	62	58

Pressure (inches of Hg)	Interior	Ambient
Start	30	54
Stop	29.88	54

200-31514 Chain of Custody

Special Instructions/QC Requirements & Comments:

WELL AS 1,4 DIOXANE IN ANALYSIS

Samples Shipped by: STEVE TYLER	Date/Time: 1.11.16 / 0815	Samples Received by:	
Samples Relinquished by:	Date/Time:	Received by: 1/12/16	1415
Relinquished by:	Date/Time:	Received by:	

Lab Use Only 9 Shipper Name: Opened by: Condition:

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: RAY ROBLIN	Samples Collected By: CORRI ROBLIN	2 of 2 COCs
Company: CORRERI	Phone: 972/523 0487		
Address: 4609 CANDLESTICK	Email: CORRERI@VERIZON.NET		
City/State/Zip: OAKLAND TX 75043			
Phone:	Site Contact: ROBLIN		
FAX: 972/523-0487	TA Contact: K. KELLY		
Project Name: HEATCRAFT	Analysis Turnaround Time		
Site: WILMINGTON, NC	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
HC-5	1-8	1605	1545	-28	-4	3959	4019	✓											
HC-1	1-8	1610	1605	-31	-10	2930	4709	✓											

Temperature (Fahrenheit)	Interior	Ambient
Start	61	54
Stop	62	58

Pressure (inches of Hg)	Interior	Ambient
Start	30	54
Stop	29.88	54

Special Instructions/QC Requirements & Comments:

INCLUDE 1,4 DIOXANE IN ANALYSIS

Samples Shipped by: STEVE TYLER	Date/Time: 1-11-16 / 0815	Samples Received by:	
Samples Relinquished by:	Date/Time:	Received by: 1/12/16	1415
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
STE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES US

SHIP DATE: 11JAN16
ACTWGT: 23.77 LB
CAD: 2008503364/CAFE2912
DIMS: 20x20x15 IN
BILL SENDER

ORIGIN ID:ILMA (972) 303-1039
CORR ENVIRONMENTAL RESOURCES I
4609 CANDLESTICK DR
GARLAND, TX 750432109
UNITED STATES US

SHIP DATE: 11JAN16
ACTWGT: 15.60 LB
CAD: /POS1621
DIMS: 20x20x17 IN
BILL SENDER

Part # 156297-435 RIT2 12/15

TO
TEST AMERICA BURLINGTON
30 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403
(555) 555-5555
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2
TRK# 0200 8081 8350 6335
MASTER
TUE - 12 JAN 3:00
STANDARD OVERNIGH
0540
NB BTVA
VT-US BT

Part # 156148-434 RIT2 08/15

ORIGIN ID:BTVA (802) 923-1058
SAMPLE MANAGEMENT
TEST AMERICA

ORIGIN ID:ILMA (972) 303-1039
CORR ENVIRONMENTAL RESOURCES I
4609 CANDLESTICK DR
GARLAND, TX 750432109
UNITED STATES US

SHIP DATE: 11JAN16
ACTWGT: 15.40 LB
CAD: /POS1621
DIMS: 20x20x16 IN
BILL SENDER

Part # 156297-435 RIT2 12/15

TO
TEST AMERICA BURLINGTON
30 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403
(555) 555-5555
INV:
PO:
REF:
DEPT:

FedEx Express

2 of 2
MPS# 0681 7821 3664 8243
Mstr# 8081 8350 6335
TUE - 12 JAN 3:00P
STANDARD OVERNIGHT
0200
NB BTVA
05403
VT-US BTV

Login Sample Receipt Checklist

Client: CORR Environmental Resources Inc

Job Number: 200-31514-1
SDG Number: 200-31514

Login Number: 31514
List Number: 1
Creator: Asselin, Sarah E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	778332, 331
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

200-31344-A-10
5141
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/26/2015 12:00 AM 200-887626

Loc: 200
31344
#10
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Allen 1/2	100	12/26/15	MS	6L	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3087		-30.5	-30.3	-0.2
2	4019		-30.5		-0.2
3	5975		-30.5		-0.2
4	~~2945~~		~~-30.1~~	~~-29.9~~	
5	5150		-30.5		-0.2
6	5041		-30.1	-29.9	-0.2
7	5707		-30.5		-0.2
8	5167		-30.5		-0.2
9	5630		-30.5		-0.2
10	5141	30.2	-30.1	-29.9	-0.2
11	3505		-30.5		-0.2
12	3342		-30.5		-0.2

Initial Reading	Final Reading	
Gauge ID: 69	Gauge ID: 69	69
Date: 12/28/15	Date: 1/5/16	1/7/16
Time: 1345	Time: 1215	1445
Tech: MS	Tech: L	
BP: 30.2 ("Hg)	BP: 30.3	-29.9 ("Hg)
Temp 22 (℃)	Temp: 22	22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.
[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.
[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
5141	12/28/15	17522	KMD		✓				12/31/15	PAD

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.
Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.
Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.
Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.
Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: 0.04

BR-FAI023:10.19.09:7
TestAmerica

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-31344-1
SDG No.:
Client Sample ID: 5141
Lab Sample ID: 200-31344-10
Matrix: Air
Lab File ID: 17522_27.D
Analysis Method: TO-15
Date Collected: 12/26/2015 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 12/29/2015 06:52
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 98959
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-31344-1

SDG No.:

Client Sample ID: 5141 | Lab Sample ID: 200-31344-10

Matrix: Air | Lab File ID: 17522_27.D

Analysis Method: TO-15 | Date Collected: 12/26/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 12/29/2015 06:52

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 98959 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31344-1

SDG No.:

Client Sample ID: 5141 Lab Sample ID: 200-31344-10

Matrix: Air Lab File ID: 17522_27.D

Analysis Method: TO-15 Date Collected: 12/26/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/29/2015 06:52

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 98959 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\17522_27.D
Lims ID: 200-31344-A-10 Lab Sample ID: 200-31344-10
Client ID: 5141
Sample Type: Client
Inject. Date: 29-Dec-2015 06:52:30 ALS Bottle#: 10 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0017522-027
Misc. Info.: 31344-10
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Dec-2015 16:30:58 Calib Date: 02-Dec-2015 23:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: desjardinsb Date: 30-Dec-2015 09:01:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.097				ND	
2 Dichlorodifluoromethane	85		3.162				ND	
3 Chlorodifluoromethane	51		3.210				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.418				ND	
5 Chloromethane	50	3.563	3.552	0.011	92	421	0.0199	
6 Butane	43		3.739				ND	
7 Vinyl chloride	62		3.782				ND	
8 Butadiene	54		3.857				ND	
9 Bromomethane	94		4.504				ND	
10 Chloroethane	64		4.724				ND	
12 Vinyl bromide	106		5.093				ND	
13 Trichlorofluoromethane	101		5.184				ND	
15 Ethanol	45		5.842				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.205				ND	
20 1,1-Dichloroethene	96		6.264				ND	
21 Acetone	43		6.532				ND	
22 Carbon disulfide	76	6.665	6.660	0.005	94	1814	0.0222	
23 Isopropyl alcohol	45		6.864				ND	
24 3-Chloro-1-propene	41		7.040				ND	
26 Methylene Chloride	49	7.323	7.329	-0.006	85	3909	0.1339	
28 2-Methyl-2-propanol	59		7.655				ND	
30 trans-1,2-Dichloroethene	61		7.762				ND	
29 Methyl tert-butyl ether	73		7.768				ND	
32 Hexane	57		8.142				ND	
33 1,1-Dichloroethane	63		8.650				ND	
34 Vinyl acetate	43		8.731				ND	
35 cis-1,2-Dichloroethene	96		9.784				ND	
36 2-Butanone (MEK)	72		9.859				ND	
37 Ethyl acetate	88		9.902				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.266	10.271	-0.005	75	363337	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.298				ND	
41 Chloroform	83		10.410				ND	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.689				ND	
44 Carbon tetrachloride	117		10.945				ND	
45 Isooctane	57		11.411				ND	
46 Benzene	78		11.448				ND	
47 1,2-Dichloroethane	62		11.657				ND	
48 n-Heptane	43		11.817				ND	
* 50 1,4-Difluorobenzene	114	12.336	12.347	-0.011	92	2212509	10.0	
52 Trichloroethene	95		12.844				ND	
53 1,2-Dichloropropane	63		13.444				ND	
54 Methyl methacrylate	69		13.620				ND	
55 1,4-Dioxane	88		13.700				ND	
56 Dibromomethane	174		13.716				ND	
57 Dichlorobromomethane	83		14.027				ND	
58 cis-1,3-Dichloropropene	75		15.000				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.332				ND	
62 Toluene	92	15.605	15.610	-0.005	90	2182	0.0189	
67 trans-1,3-Dichloropropene	75		16.247				ND	
68 1,1,2-Trichloroethane	83		16.643				ND	
69 Tetrachloroethene	166		16.739				ND	
70 2-Hexanone	43		17.140				ND	
71 Chlorodibromomethane	129		17.451				ND	
72 Ethylene Dibromide	107		17.734				ND	
* 73 Chlorobenzene-d5	117	18.670	18.676	-0.006	82	2048941	10.0	
74 Chlorobenzene	112		18.740				ND	
75 Ethylbenzene	91		18.895				ND	
77 m-Xylene & p-Xylene	106	19.162	19.162	0.000	0	3555	0.0346	M
S 80 Xylenes, Total	106				0		0.0535	
78 o-Xylene	106	20.061	20.056	0.005	94	1943	0.0189	M
79 Styrene	104		20.115				ND	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105		20.783				ND	
85 1,1,2,2-Tetrachloroethane	83		21.490				ND	
86 N-Propylbenzene	91		21.548				ND	
89 4-Ethyltoluene	105		21.752				ND	
90 2-Chlorotoluene	91		21.762				ND	
91 1,3,5-Trimethylbenzene	105		21.859				ND	
93 tert-Butylbenzene	119		22.372				ND	
94 1,2,4-Trimethylbenzene	105		22.474				ND	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119		22.918				ND	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146		23.095				ND	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91		23.512				ND	
102 1,2-Dichlorobenzene	146	23.656	23.651	0.005	96	4178	0.0260	
104 1,2,4-Trichlorobenzene	180		26.251				ND	
105 Hexachlorobutadiene	225		26.438				ND	
106 Naphthalene	128		26.759				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

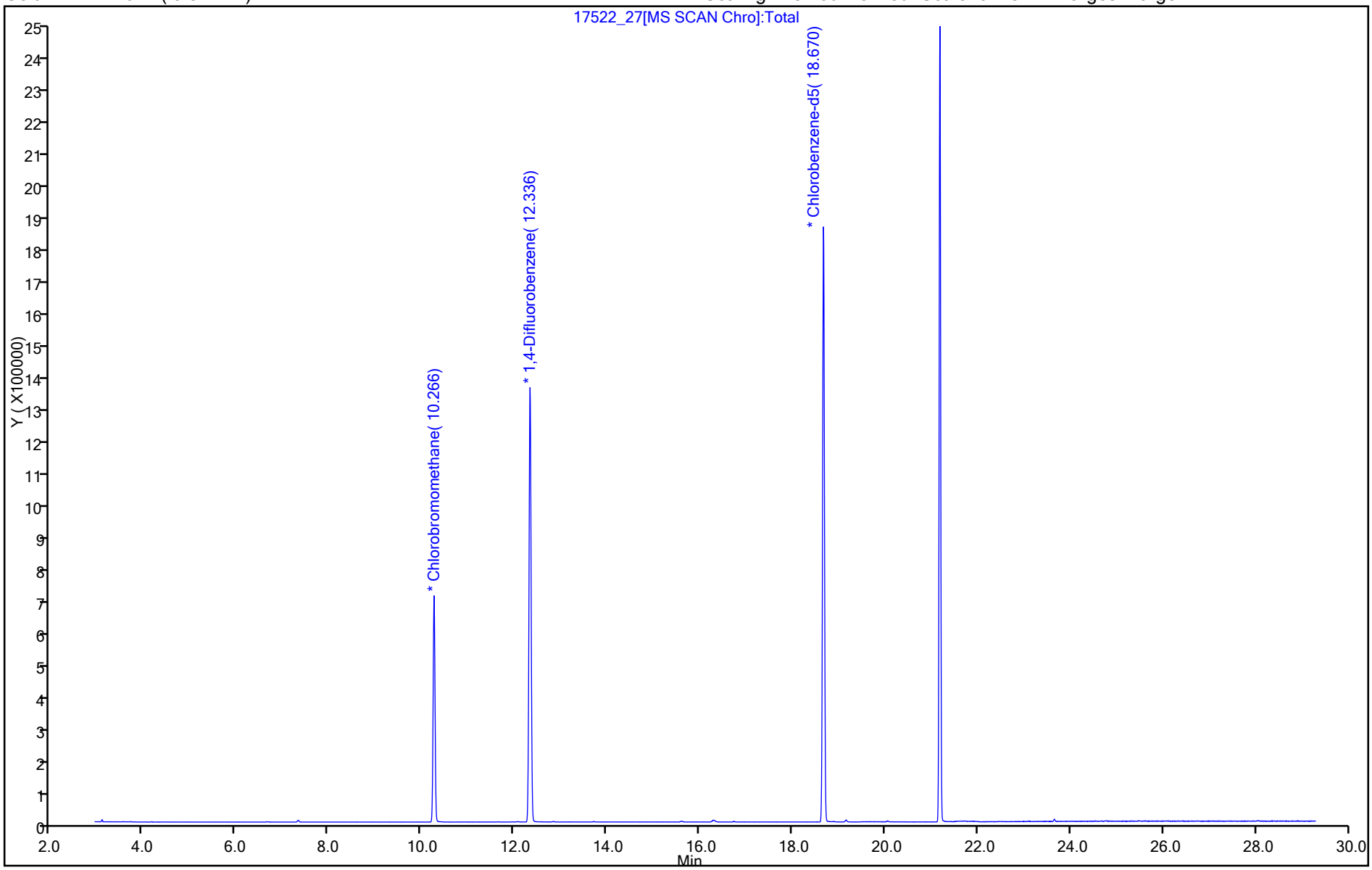
ATTO15GIS_00013	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 31-Dec-2015 16:40:27 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\17522_27.D				
Injection Date:	29-Dec-2015 06:52:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-31344-A-10	Lab Sample ID:	200-31344-10	Worklist Smp#:	27
Client ID:	5141				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

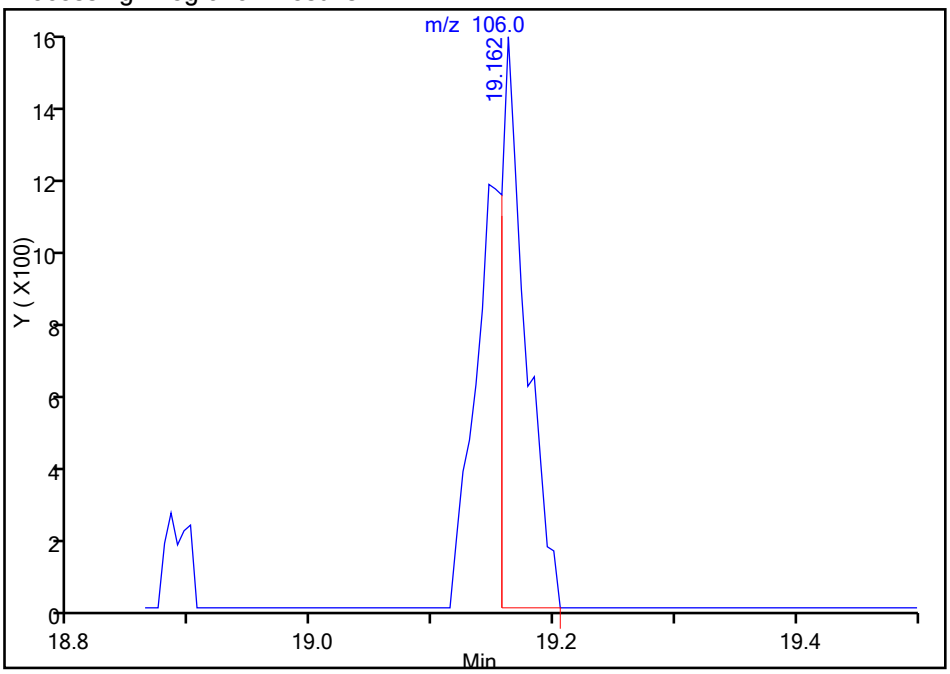
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\17522_27.D				
Injection Date:	29-Dec-2015 06:52:30	Instrument ID:	CHX.i		
Lims ID:	200-31344-A-10	Lab Sample ID:	200-31344-10		
Client ID:	5141				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 m-Xylene & p-Xylene, CAS: 179601-23-1

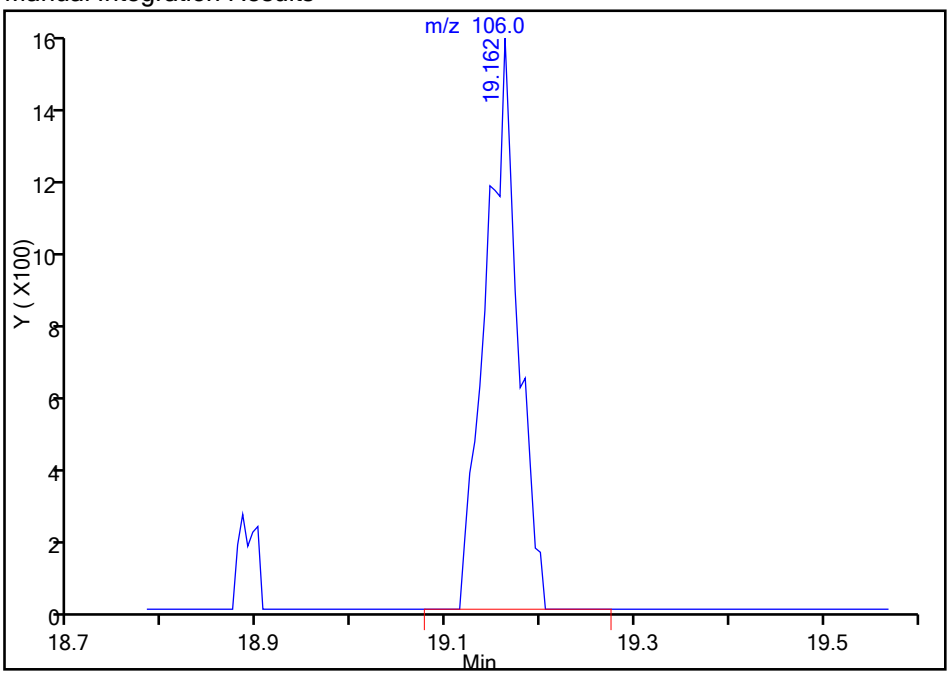
Processing Integration Results

RT: 19.16
Area: 2086
Amount: 0.020301
Amount Units: ppb v/v



Manual Integration Results

RT: 19.16
Area: 3555
Amount: 0.034598
Amount Units: ppb v/v



Reviewer: desjardinsb, 30-Dec-2015 08:06:31
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

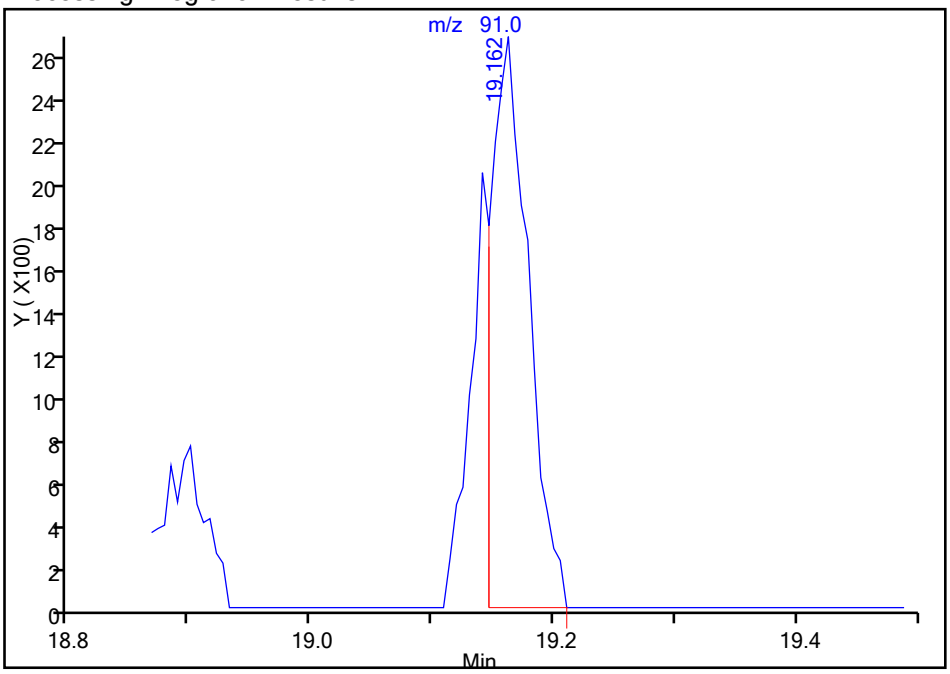
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\17522_27.D				
Injection Date:	29-Dec-2015 06:52:30	Instrument ID:	CHX.i		
Lims ID:	200-31344-A-10	Lab Sample ID:	200-31344-10		
Client ID:	5141				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 m-Xylene & p-Xylene, CAS: 179601-23-1

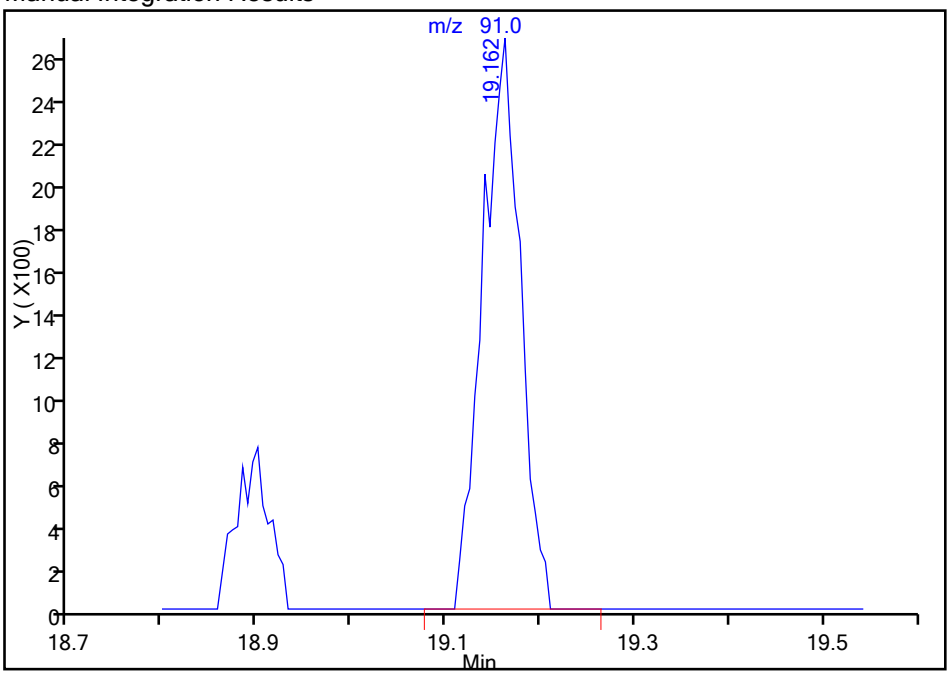
Processing Integration Results

RT: 19.16
Area: 5528
Amount: 0.020301
Amount Units: ppb v/v



Manual Integration Results

RT: 19.16
Area: 7279
Amount: 0.034598
Amount Units: ppb v/v



Reviewer: desjardinsb, 30-Dec-2015 08:06:31
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

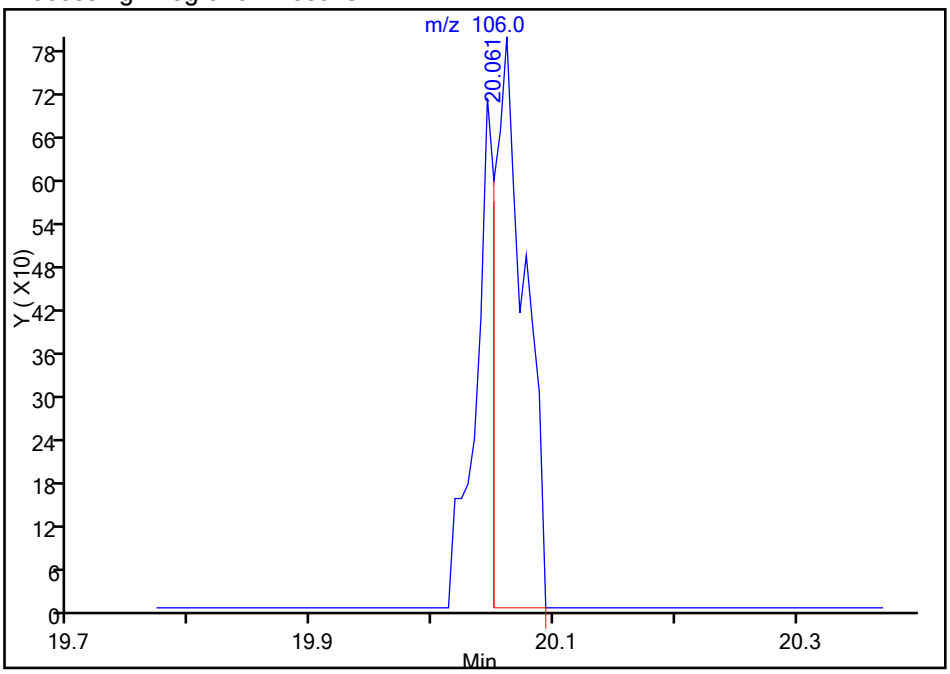
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20151228-17522.b\17522_27.D				
Injection Date:	29-Dec-2015 06:52:30	Instrument ID:	CHX.i		
Lims ID:	200-31344-A-10	Lab Sample ID:	200-31344-10		
Client ID:	5141				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6

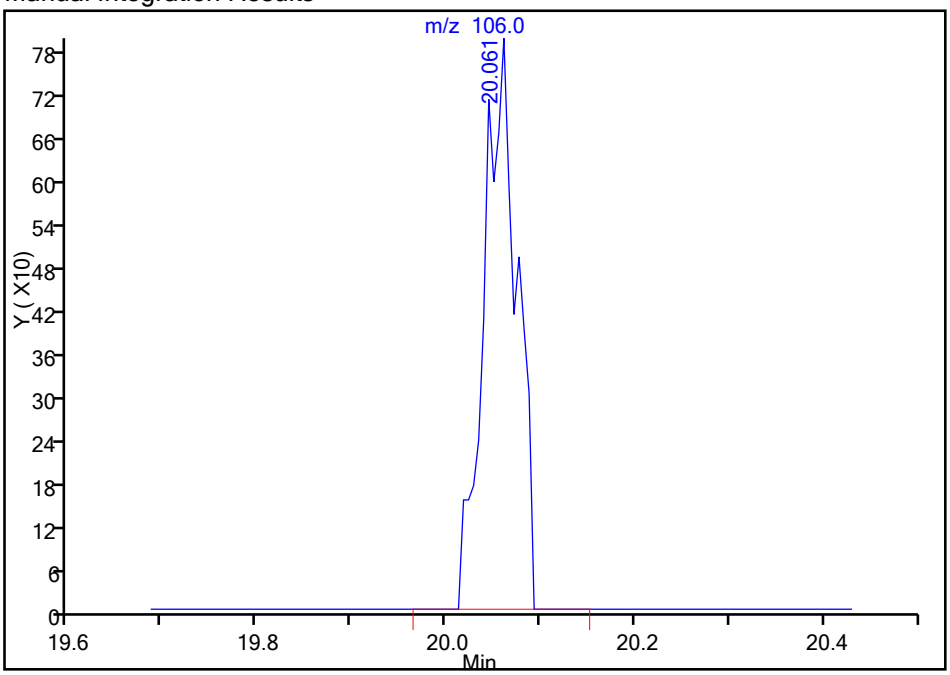
Processing Integration Results

RT: 20.06
Area: 1358
Amount: 0.013179
Amount Units: ppb v/v



Manual Integration Results

RT: 20.06
Area: 1943
Amount: 0.018857
Amount Units: ppb v/v



Reviewer: desjardinsb, 30-Dec-2015 08:06:31
Audit Action: Manually Integrated
Audit Reason: Baseline