Hazardous Waste Section

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17

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CORR Environmental Resources, Inc.

May 19, 2016

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

Re: Confirmatory Indoor Air Quality Testing
Initial Sub Slab Sampling
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 for confirmatory testing of indoor air quality at the former Heatcraft facility. This phase of indoor air quality sampling was required to corroborate the concentration of latent solvent vapors (primarily Trichloroethene) based on sampling conducted in January 2016. This report presents both the current data results (April 2016) along with the initial testing results from January. The initial data was reported to the NCDEQ in a report of findings dated February 29, 2016. This report provides the relevant information specific to the confirmation testing and the initial sub slab soil gas testing conducted subsequent to the confirmatory indoor air sampling. The report also summarizes initial mitigation activities conducted to provide greater circulation of fresh air to the manufacturing area and enclosed office and break room spaces. Recommendations for further actions are also provided.

Executive Summary

Indoor air quality testing was conducted to confirm initial air quality testing results within the former Heatcraft manufacturing building. The April 2016 sampling was conducted at the approximately similar locations within the building and enclosed office and break room spaces. The primary difference with sampling methods as compared with the January sampling is the April testing was conducted during an 8-hour period versus a 24-hour period. The 8-hour testing was to simulate typical worker shift duration and was approved by the Department ahead of the sampling.

The confirmatory sampling results are compared both with the Indoor Air Screening Levels (IASL) and the recently published EPA acute response benchmark of 8.8 $\mu g/M^3$ for 8-hour exposure periods (as Reference Concentration [RfC]) for possibly effected subgroups such as women of child bearing ages (15 to 50). Based on the RfC benchmark, the April sampling data is compared with the 8-hour exposure benchmark for the purposes of this report of findings.

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Eight air samples were collected and analyzed using EPA Method TO-15 for volatile organic compounds. These sample locations mirrored the January 2016 locations. 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 (µg/M³) of trichloroethene (TCE) in all samples. These data ranged from 9 µg/M³ in the unused office space, 14 µg/M³ at the former steam degreasing area of the building and 52 µg/M³ in the approximate center of the building. The active office space and break room data indicated TCE at 8.4/6.8 and 7.8/6.2 µg/M³ respectively. The duplicate data shown are secondary dilution results for the enclosed office and break room tests.

The warehouse and storage area of the building has TCE at 10 µg/M³ with the truck loading dock area at 12 µg/M³. The background outdoor ambient air sample indicated TCE at 2.6 µg/M³.

These data when compared with the previous indoor air concentrations for TCE indicate higher concentrations in the center of the factory, the truck loading area and in both the active and inactive office spaces. The break room data was approximately similar to the January results. The lower concentrations were indicated at the former vapor degreasing area and the warehouse/storage space on the south and west side of the factory building.

These samples were collected during off work hours with all building bay doors 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. The inactive office space (HC-2) is not occupied and is used for miscellaneous storage.

Sampling Approach

The sampling procedures were conducted as follows:

- 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 an 8-hour time interval as previously discussed. 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 Saturday April 2 at approximately 8:00 am and operated until ~4:00 pm. The facility was closed and no manufacturing was conducted during the testing 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 appropriate benchmarks. Due to the presence of 1,4 dioxane as a COC, the laboratory was notified to include this constituent in the analytical report.

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. Table 1 provides the analytical results for both the January and April samplings. Figure 1 presents the site plan with the sample locations and the two TCE concentration values by date.

The April analytical results indicate the detected presence of TCE in all samples at concentrations ranging from 2.6 to 52 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 2.6 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 9.0 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 8.4 µg/M³ with a secondary dilution concentration of 6.8 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 7.8 µg/M³ with a secondary dilution concentration of 6.2 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 52 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 14 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 10 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 12 µg/M³.

Other site related COC's include 1,4 dioxane (all <2.0 µg/M³) and 1,1,1 TCA was indicated at concentrations significantly below the 4,380 µg/M³ ISLA benchmark in all samples. The 1,1,1 TCE values ranged from 1.5 µg/M³ at HC-1 to 28 µg/M³ at HC-6. 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 were all less than <1.0 µg/M³ (ISLA at 7.67 µg/M³) except at HC5A at 27 µg/M³. 1,1 DCE were also < 1.0 µg/M³

except at HC-5A at 4.9 µg/M³ (ISLA at 175 µg/M³). The vinyl chloride constituent was not indicated in any sample above a 0.082 µg/M³ reporting limit with the exception of 0.57 µg/M³ at HC-1A and 0.24 µg/M³ at HC-8A.

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 in the attached analytical summary provided by Test America as report J-32860-1; Level 2 Final Report, dated April19, 2016.

Data Observations

The overall data results confirm low to moderate part per billion concentrations of TCE are present within the plant building and enclosed office spaces. All TCE concentrations exceed the NC IASL regulatory benchmark of 1.75 µg/M³. The distribution of the TCE constituent at concentrations above the EPA acute exposure value of 8.8 µg/M³ are located in proximity to the center and western sides of the plant building. The enclosed offices, both occupied and unoccupied, have data equal to or slightly above the EPA benchmark. The employee break room area is slightly less than the EPA benchmark.

The approximate center line of the vapor phase impacts are between the former vapor degreasing area at HC-6 and unoccupied office space at HC-2. The outline of indoor air with TCE concentrations above EPA and IASL values has confirmed the highest concentration remains in the approximate center of the building at HC-5 (52 µg/M³) with approximately one-third this concentration upgradient at HC-6 (14 µg/M³) and lower values at downgradient location HC-2 (9 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 to 10 µg/M³) has declined compared with the January data results. A similar decline was indicated at the former degreasing location (22 to 14 µg/M³). The exception along the western side of the building was indicated at the truck loading area (6.1 to 12 µg/M³) where the concentration, although low, increased by a factor of 2X.

The data as measured by the indoor air quality testing confirm 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 NCDWM 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 8-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, the recommendation was offered to move forward with preliminary indoor air quality mitigation which included the following actions:

- For the break room and active enclosed office spaces with existing HVAC systems, the fresh air return ducting was modified. The employee break room did not have any fresh air return ducting and this was added to this HVAC system. The active enclosed office area had a fresh air return duct line; however this ducting had been removed at some point in the past and the return air opening sealed at the air exchange manifold. This duct line was therefore returned to service to provide fresh air return to the HVAC system.

- The open factory area with the highest concentration is located in the approximate center of the building. Elevated concentrations of TCE likely emanate from the former degreasing building area based on the analytical data. For these areas, fresh air circulation was enhanced by the use of commercial grade turbine type roof ventilators in the area of the former degreasing area and toward the north and the truck loading dock. These roof vents previously were static hood type and with the substitution to commercial turbine type vents (26-inch diameter) provides for up to 1,200 cubic feet per minute (cfm) of exhaust from within the plant building. Three turbine vents were installed.

- The center of the building improvement utilized a former HVAC mechanical room located on the roof. This mechanical room was formerly used to provide both fresh air and return air circulation to a filtration room. The former air conditioning process in the plant (from the 1960s to the late 1980s), captured in-plant conditioned air through two inlet ceiling grates directly to the filter room as return air. The mechanical room also had an awning type fresh air inlet on the side of the mechanical room which drew outside air through a refrigeration coil and into the filter room. This awning opening was covered and sealed at some point in the past.

- Using the inlet ceiling grate and with the removal of the refrigeration coil and the sealed cover from the awning, indoor air now rises from the plant floor and flows through the ceiling vent and outlets through the awning to the atmosphere.

These modifications should enhance air circulation from the within the main manufacturing building to outside air both during shift work when bay doors are open and likely when the bay doors are closed during winter months. The fresh return air ducting should also attenuate the low TCE concentrations within the enclosed office and employee break room areas. Confirmation sampling will be conducted approximately 30-days after this sublet work was completed (early June 2016).

Initial Sub Slab Soil Gas Testing

As a secondary task conducted during the mitigation tasks, four sub slab soil gas samples were collected to provide preliminary data concerning the source and distribution of latent solvent vapors beneath the floor in the active factory areas. These sub slab samples were collected using 'vapor pin' type brass sampling ports inserted into drilled boreholes through the factory floor. The use of the vapor pin sample ports allows for efficient and timely sub slab sampling.

The vapor pin sample ports are inserted through a drilled 5/8-inch diameter bore through the concrete floor. The bore is then vacuumed to remove any fine cuttings or debris and a small diameter brush is used to clean the opening. The vapor pin is then fitted with a silicon based gasket sleeve on to the base of the sample port which is then driven into the borehole. This exposes only the bottom inlet to the sample port for collection of soil gas vapors directly beneath the floor and seals the opening intake from interior building air.

The sample canister is then fitted with the appropriate inlet regulator, for this task the regulators operated for approximately 2-hours duration. Inert LDPE and silicon connecting tube (Masterflex type) was then fitted to the vapor pin outlet which was then purged using an oversize syringe (~50 cc) to remove at least two volumes of static air from the borehole, the vapor pin and the outlet tubing. The tubing was then pinched closed and placed on the canister regulator inlet. The regulator was then opened and the initial pressure reading noted. As stated, the regulators were pre-set by the laboratory to operate for approximately 2-hours.

Once the approximate 2-hr timing was completed, or when canister pressure was at or below -10 psi the test was considered completed. The regulators were closed and removed from the canisters and the opening sealed with supplied cover nuts. The canisters were then packaged for shipping and chain of custody documents prepared as with the previous indoor air sampling tasks. The vapor pins were then removed and the borehole sealed with hydraulic cement. Figure 2 presents the locations of the four sub slab samples along with the indoor air sampling locations and testing results.

The analytical testing data indicated significant VOC impacts directly next to the former degreasing high bay building (SS1). The concentration of TCE in sample SS1 indicated approximately .53% (5,300,000 µg/M^3) solvent by mass. The concentration of 1,1,1 TCA indicated 1.6% (16,000,000 µg/M^3) with the common DCE/DCA degradation constituents also indicating elevated values. The side and downgradient (shallow groundwater flow direction) solvent concentrations as samples SS2 (south), SS3 (east) and SS4 (west) indicated significantly lower TCE concentrations. The sample locations and TCE values are as follows:

- SS1 – Directly adjacent to the east wall of the former degreasing unit near indoor air sample HC-6; TCE at 5,300,000 µg/M³
- SS2 – In the warehousing and storage area approximately 50-ft east of indoor air sample HC7; TCE at 1,600 µg/M³
- SS3 – In the active work area approximately 30-ft east of indoor air sample HC-5; TCE at 1,100 µg/M³
- SS4 – Approximately midway between the active truck loading dock and the active work area, south of HC-8; TCE at 710 µg/M³

Table 2 presents a summary sheet of site related Chemicals of Concern and the concentrations in µg/M³ and Figure 2 presents the approximate locations of the sub slab samples. . These data are presented in the attached analytical summary provided by Test America as report J-33270-1; Level 2 Final Report, dated May 9, 2016.

Ongoing task activities recommended include:

- As required, conduct confirmation indoor air sampling post mitigation 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 primarily in the western portions of the building in proximity to the former degreasing area and the open manufacturing and truck loading space(s).

- Conduct pilot testing for the use of sub slab depressurization as a mitigation action to remove solvent vapors from beneath the building floor in the former degreasing area. Conduct pressure field extension testing to determine the areal extent of negative pressure(s) beneath the floor to assist in the determination of the number and placement of additional depressurization points as warranted.

- Continue discussions with the property owners concerning both the indoor air quality results, the preliminary sub slab results and pending mitigation actions.

These recommendations are offered as an initial step in addressing latent solvent vapor beneath the floor and ultimate mitigation actions at the property. These outlined pilot testing mitigation tasks will be provided to the HWS with a summary letter type work plan for implementation as allowed. CORR envisions these tasks can be completed in an approximate 60-day period from approval to proceed by HWS. The proposed schedule can allow for the pilot testing mitigation tasks to be undertaken during the early summer season when the high bay access doors are commonly open during working hours and potential exposure is minimized with greater fresh air circulation within the plant building.

If you have any questions regarding the recommended 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

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Table 1
Former Heatcraft Site
Indoor Air Quality Testing

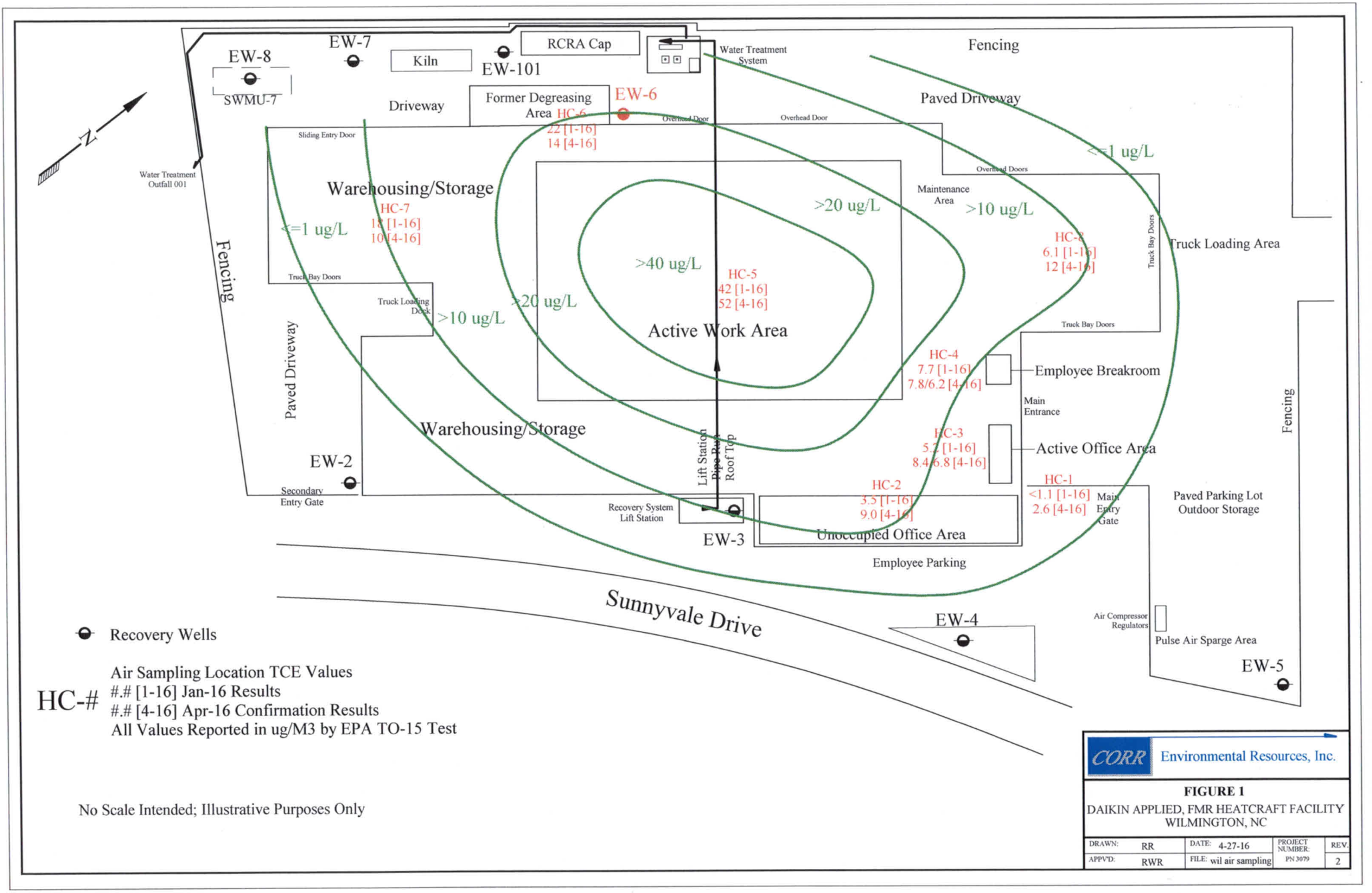
Sample # [Date]	Concentration	Trichloroethene	RL	1,4-Dioxane	RL	1,1,1-Trichloroethane	RL	1,1-Dichloroethane	RL	1,1-Dichloroethene	RL	Vinyl Chloride	RL
HC-1 [1-9-16]	ug/m3	ND	1.1	ND	18	ND	1.1	ND	0.81	ND	0.79	ND	0.51
HC-1A [4-2-16]	ug/m3	2.6		<2	2	1.5		0.47		0.89		0.57	
HC-2 [1-9-16]	ug/m3	3.5	1.1	2.4J	18	3.6	1.1	ND	0.81	0.32J	0.79	ND	0.51
HC-2A [4-2-16]	ug/m3	9		3.1/6.1		12		0.52		0.94		<0.082	
HC-3 [1-9-16]	ug/m3	5.2	1.1	ND	18	5.6	1.1	0.24J	0.81	0.55J	0.79	ND	0.51
HC-3A [4-2-16]	ug/m3	8.4/6.8		<2		9.9		0.47		0.74		<0.082	
HC-4 [1-9-16]	ug/m3	7.7	1.1	ND	18	8.4	1.1	0.31J	0.81	0.81	0.79	ND	0.51
HC-4A [4-2-16]	ug/m3	7.8/6.2		<2		10		0.44		0.78		<0.082	
HC-5 [1-9-16]	ug/m3	42	1.1	2.3J	18	55	1.1	1.6	0.81	4.4	0.79	ND	0.51
HC-5A [4-2-16]	ug/m3	52		<2		11		27		4.9		<0.082	
HC-6 [1-9-16]	ug/m3	22	1.1	ND	18	54	1.1	1.2	0.81	3	0.79	ND	0.51
HC-6A [4-2-16]	ug/m3	14		<2		28		0.67		1.4		<0.082	
HC-7 [1-9-16]	ug/m3	18	1.1	2.1J	18	41	1.1	1.2	0.81	2.7	0.79	ND	0.51
HC-7A [4-2-16]	ug/m3	10		<2		16		0.63		1.1		<0.082	
HC-8 [1-9-16]	ug/m3	6.1	1.1	ND	18	6.8	1.1	0.24J	0.81	0.65J	0.79	ND	0.51
HC-8A [4-2-16]	ug/m3	12		<2		15		0.61		1.3		0.24	
IASL 1E-06	ug/m3	1.75		2.45		4,380		7.67		175		2.79	

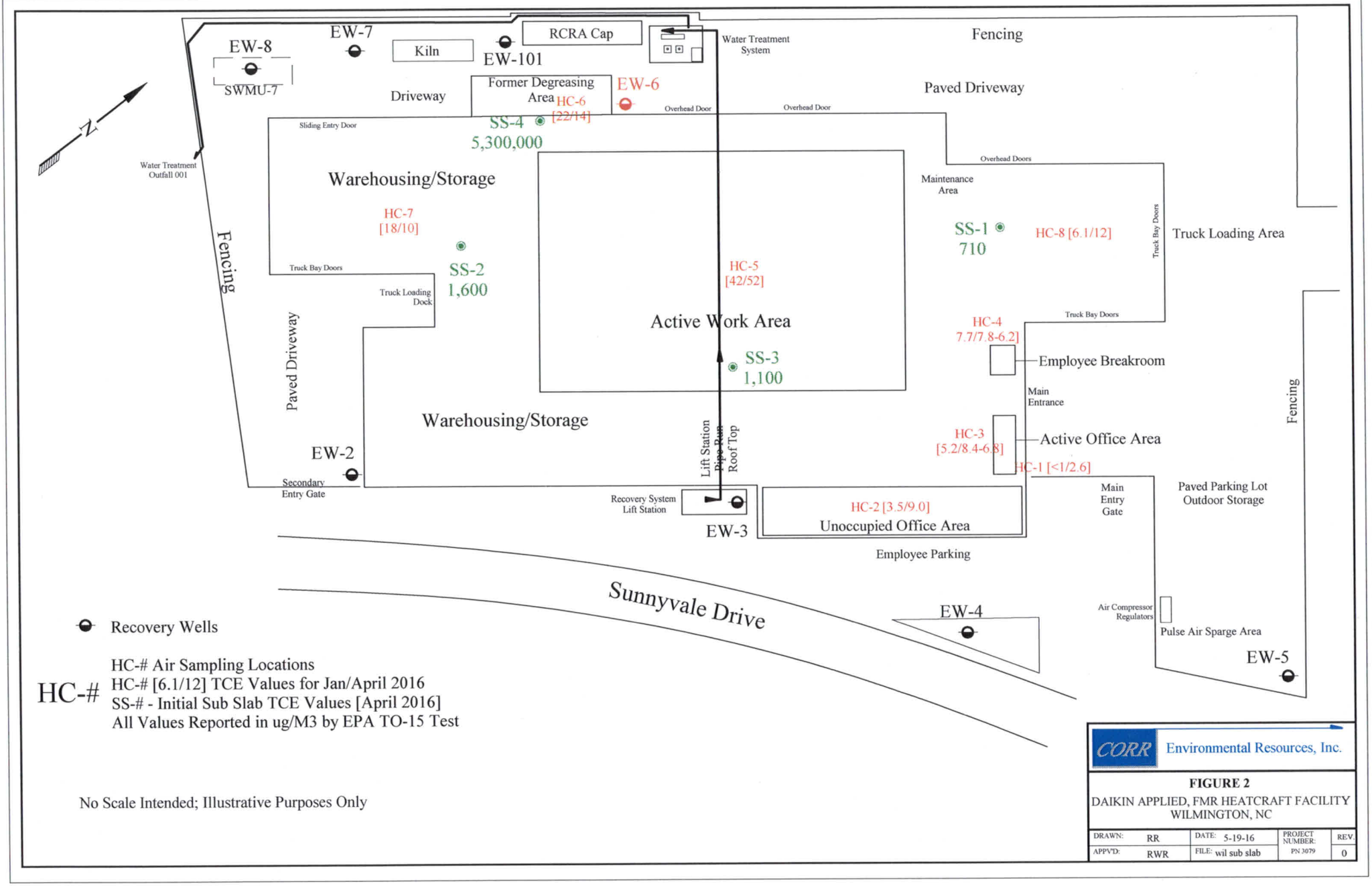
Notes: EPA acute short term exposure limit = 8.8 ug/M3.
IASL (A); Indoor Air and Crawlspace Screening Concentrations; TCR = 1.0E-06, THQ = 0.2 [March 2016]
Shaded cells indicate reported concnetrations above EPA exposure limit benchmark.
Reference TA Job #J31514-1 Level 2 (1-19-2016); TA Job #J32860-1 (4-12-2016) Level 2 RL = Laboratory reporting limits

Table 2
Former Heatcraft Site
Initial Sub Slab COC Results

Client ID	SS4			SS3			SS2			SS1			DWM Non-Residential	
Lab Sample ID	200-33270-1			200-33270-2			200-33270-3			200-33270-4			Vapor Intrusion Screening	
Sampling Date	04/27/2016 12:05:00			04/27/2016 12:30:00			04/27/2016 12:40:00			04/27/2016 12:55:00			Concentrations	
Matrix	Air			Air			Air			Air			Air	
Dilution Factor	8			8			202			98100			Sub Slab Soil Gas	
Unit	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		E Conversion
AIR BY TO-15														
1,1,1-Trichloroethane	86		2.0	240		2.0	37000		51	16,000,000		25000	4.38E+05	43,800
1,1-Dichloroethane	3.4	J	0.81	340		0.81	3400		20	180,000		9900	7.67E+03	7,600
1,1-Dichloroethene	ND	U	1.1	30		1.1	270		29	580,000		14000	1.75E+04	17,500
1,2-Dichloroethene, Total	12	J	1.1	59		1.1	380		28	370,000		14000	NL	
cis-1,2-Dichloroethene	12		1.1	26		1.1	320		28	370,000		14000	NL	
Tetrachloroethene	21		1.2	28		1.2	ND	U	32	39,000	J	15000	3.50E+03	3,500
Trichloroethene	710		1.7	1100		1.7	1600		42	5,300,000		21000	1.75E+02	175
Vinyl chloride	ND	U	0.65	ND	U	0.65	ND	U	17	ND	U	8000	2.79E+03	2,790
1,4-Dioxane	230		16	ND	U	16	ND	U	410	ND	U	200000	2.45E+03	2,450

Notes: Refer to Figure 2 for sample locations.
Orange shading indicate concentrations exceed ISLA for non-residential sub slab soil gas.
COC = Site related Chemicals of Concern
NL = Not Listed on Contaminant Sheets
Screening Concentrations as of March 2016; not for use for structures frequented or occupied by children
Reference TA Job #J33271-1 Level 2 (5-9-2016)


N
EW-8
SWMU-7
EW-7
Kiln
EW-101
RCRA Cap
Water Treatment System
Fencing
Paved Driveway
Driveway
Former Degreasing Area
HC-6
22 [1-16]
14 [4-16]
EW-6
Overhead Door
Overhead Door
Sliding Entry Door
Water Treatment Outfall 001
Warehousing/Storage
HC-7
18 [1-16]
10 [4-16]
<=1 ug/L
Overhead Doors
Maintenance Area
>10 ug/L
>20 ug/L
<=1 ug/L
HC-8
6.1 [1-16]
12 [4-16]
Truck Bay Doors
Truck Loading Area
Fencing
Truck Bay Doors
>40 ug/L
HC-5
42 [1-16]
52 [4-16]
Truck Loading Dock
>10 ug/L
>20 ug/L
Active Work Area
Truck Bay Doors
Paved Driveway
HC-4
7.7 [1-16]
7.8/6.2 [4-16]
Employee Breakroom
Main Entrance
Warehousing/Storage
Lift Station
Pipe Rack
Roof Top
HC-3
5.2 [1-16]
8.4/6.8 [4-16]
Active Office Area
Fencing
EW-2
Secondary Entry Gate
HC-2
3.5 [1-16]
9.0 [4-16]
HC-1
<1.1 [1-16]
2.6 [4-16]
Main Entry Gate
Paved Parking Lot Outdoor Storage
Recovery System Lift Station
EW-3
Unoccupied Office Area
Employee Parking
Sunnyvale Drive
EW-4
Air Compressor Regulators
Pulse Air Sparge Area
EW-5
Recovery Wells
HC-#
Air Sampling Location TCE Values
#.# [1-16] Jan-16 Results
#.# [4-16] Apr-16 Confirmation Results
All Values Reported in ug/M3 by EPA TO-15 Test
No Scale Intended; Illustrative Purposes Only
CORR Environmental Resources, Inc.
FIGURE 1
DAIKIN APPLIED, FMR HEATCRAFT FACILITY
WILMINGTON, NC
DRAWN: RR
DATE: 4-27-16
PROJECT NUMBER: PN 3079
REV. 2
APPV'D: RWR
FILE: wil air sampling


EW-8
SWMU-7
EW-7
Kiln
EW-101
RCRA Cap
Water Treatment System
Fencing
Driveway
Former Degreasing Area
HC-6 [22/14]
EW-6
Paved Driveway
Overhead Door
Overhead Door
Sliding Entry Door
SS-4
5,300,000
Water Treatment Outfall 001
Warehousing/Storage
Overhead Doors
Maintenance Area
HC-7 [18/10]
SS-1
710
HC-8 [6.1/12]
Truck Bay Doors
Truck Loading Area
Fencing
Truck Bay Doors
SS-2
1,600
Truck Loading Dock
HC-5 [42/52]
Active Work Area
Truck Bay Doors
HC-4 7.7/7.8-6.2]
Employee Breakroom
SS-3
1,100
Main Entrance
Paved Driveway
Warehousing/Storage
Lift Station
Pipe Run
Roof Top
HC-3 [5.2/8.4-6.8]
Active Office Area
HC-1 [<1/2.6]
Fencing
EW-2
Secondary Entry Gate
Recovery System Lift Station
EW-3
HC-2 [3.5/9.0]
Unoccupied Office Area
Main Entry Gate
Paved Parking Lot Outdoor Storage
Employee Parking
Sunnyvale Drive
EW-4
Air Compressor Regulators
Pulse Air Sparge Area
EW-5
N
Recovery Wells
HC-#
HC-# Air Sampling Locations
HC-# [6.1/12] TCE Values for Jan/April 2016
SS-# - Initial Sub Slab TCE Values [April 2016]
All Values Reported in ug/M3 by EPA TO-15 Test
No Scale Intended; Illustrative Purposes Only
CORR Environmental Resources, Inc.
FIGURE 2
DAIKIN APPLIED, FMR HEATCRAFT FACILITY
WILMINGTON, NC
DRAWN: RR
DATE: 5-19-16
PROJECT NUMBER: PN 3079
REV. 0
APPV'D: RWR
FILE: wil sub slab

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
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Suite 11
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Tel: (802)660-1990

TestAmerica Job ID: 200-33270-1
TestAmerica Sample Delivery Group: 200-33270-1
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:
5/9/2016 1:10:28 PM

Kathryn Kelly, Project Manager I
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LINKS

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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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Definitions/Glossary

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

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.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.

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: 200-33270-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: CORR Environmental Resources Inc

Project: S&R Packing and Crating

Report Number: 200-33270-1

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 04/28/2016; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples SS4, SS3, SS2 and SS1 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 05/03/2016.

Several analytes were detected in method blank MB 200-103964/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. 1,2,4-Trichlorobenzene and Naphthalene were detected in method blank MB 200-104047/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Bromoform failed the recovery criteria high for LCS 200-103964/4. Bromoform failed the recovery criteria high for LCS 200-104047/3. Refer to the QC report for details.

Samples SS4[8X], SS3[8X], SS2[202X] and SS1[98100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 103964 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 200-104047 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional 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: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4 — Lab Sample ID: 200-33270-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	0.55	J	4.0	0.46	ppb v/v	8		TO-15	Total/NA
n-Butane	1.5	J	4.0	0.62	ppb v/v	8		TO-15	Total/NA
Acetone	240		40	6.9	ppb v/v	8		TO-15	Total/NA
Isopropyl alcohol	28	J	40	7.8	ppb v/v	8		TO-15	Total/NA
Carbon disulfide	11		4.0	0.34	ppb v/v	8		TO-15	Total/NA
tert-Butyl alcohol	7.9	J	40	6.8	ppb v/v	8		TO-15	Total/NA
n-Hexane	1.5	J	1.6	0.43	ppb v/v	8		TO-15	Total/NA
1,1-Dichloroethane	0.83	J	1.6	0.20	ppb v/v	8		TO-15	Total/NA
Methyl Ethyl Ketone	16		4.0	0.42	ppb v/v	8		TO-15	Total/NA
cis-1,2-Dichloroethene	3.0		1.6	0.28	ppb v/v	8		TO-15	Total/NA
1,2-Dichloroethene, Total	3.0	J	3.2	0.28	ppb v/v	8		TO-15	Total/NA
Chloroform	1.1	J	1.6	0.66	ppb v/v	8		TO-15	Total/NA
1,1,1-Trichloroethane	16		1.6	0.37	ppb v/v	8		TO-15	Total/NA
Benzene	0.43	J	1.6	0.34	ppb v/v	8		TO-15	Total/NA
Trichloroethene	130		1.6	0.31	ppb v/v	8		TO-15	Total/NA
1,4-Dioxane	64		40	4.5	ppb v/v	8		TO-15	Total/NA
methyl isobutyl ketone	1.5	J	4.0	0.40	ppb v/v	8		TO-15	Total/NA
Toluene	6.3		1.6	0.74	ppb v/v	8		TO-15	Total/NA
Tetrachloroethene	3.2		1.6	0.18	ppb v/v	8		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.9	J	4.0	0.46	ppb v/v	8		TO-15	Total/NA
Ethylbenzene	1.5	J	1.6	0.26	ppb v/v	8		TO-15	Total/NA
m,p-Xylene	5.9		4.0	0.57	ppb v/v	8		TO-15	Total/NA
Xylene, o-	1.9		1.6	0.30	ppb v/v	8		TO-15	Total/NA
Xylene (total)	7.8		5.6	0.30	ppb v/v	8		TO-15	Total/NA
Styrene	0.50	J	1.6	0.34	ppb v/v	8		TO-15	Total/NA
n-Propylbenzene	0.36	J	1.6	0.34	ppb v/v	8		TO-15	Total/NA
4-Ethyltoluene	0.60	J	1.6	0.35	ppb v/v	8		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.50	J	1.6	0.31	ppb v/v	8		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.4		1.6	0.34	ppb v/v	8		TO-15	Total/NA
4-Isopropyltoluene	0.97	J	1.6	0.30	ppb v/v	8		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	2.0	J	14	1.6	ug/m3	8		TO-15	Total/NA
n-Butane	3.6	J	9.5	1.5	ug/m3	8		TO-15	Total/NA
Acetone	580		95	16	ug/m3	8		TO-15	Total/NA
Isopropyl alcohol	69	J	98	19	ug/m3	8		TO-15	Total/NA
Carbon disulfide	35		12	1.1	ug/m3	8		TO-15	Total/NA
tert-Butyl alcohol	24	J	120	21	ug/m3	8		TO-15	Total/NA
n-Hexane	5.4	J	5.6	1.5	ug/m3	8		TO-15	Total/NA
1,1-Dichloroethane	3.4	J	6.5	0.81	ug/m3	8		TO-15	Total/NA
Methyl Ethyl Ketone	49		12	1.2	ug/m3	8		TO-15	Total/NA
cis-1,2-Dichloroethene	12		6.3	1.1	ug/m3	8		TO-15	Total/NA
1,2-Dichloroethene, Total	12	J	13	1.1	ug/m3	8		TO-15	Total/NA
Chloroform	5.5	J	7.8	3.2	ug/m3	8		TO-15	Total/NA
1,1,1-Trichloroethane	86		8.7	2.0	ug/m3	8		TO-15	Total/NA
Benzene	1.4	J	5.1	1.1	ug/m3	8		TO-15	Total/NA
Trichloroethene	710		8.6	1.7	ug/m3	8		TO-15	Total/NA
1,4-Dioxane	230		140	16	ug/m3	8		TO-15	Total/NA
methyl isobutyl ketone	6.2	J	16	1.6	ug/m3	8		TO-15	Total/NA
Toluene	24		6.0	2.8	ug/m3	8		TO-15	Total/NA
Tetrachloroethene	21		11	1.2	ug/m3	8		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: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4 (Continued) — Lab Sample ID: 200-33270-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Butyl Ketone (2-Hexanone)	7.7	J	16	1.9	ug/m3	8		TO-15	Total/NA
Ethylbenzene	6.7	J	6.9	1.1	ug/m3	8		TO-15	Total/NA
m,p-Xylene	26		17	2.5	ug/m3	8		TO-15	Total/NA
Xylene, o-	8.3		6.9	1.3	ug/m3	8		TO-15	Total/NA
Xylene (total)	34		24	1.3	ug/m3	8		TO-15	Total/NA
Styrene	2.1	J	6.8	1.5	ug/m3	8		TO-15	Total/NA
n-Propylbenzene	1.8	J	7.9	1.7	ug/m3	8		TO-15	Total/NA
4-Ethyltoluene	3.0	J	7.9	1.7	ug/m3	8		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.4	J	7.9	1.5	ug/m3	8		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		7.9	1.7	ug/m3	8		TO-15	Total/NA
4-Isopropyltoluene	5.3	J	8.8	1.6	ug/m3	8		TO-15	Total/NA

Client Sample ID: SS3 — Lab Sample ID: 200-33270-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.64	J	4.0	0.64	ppb v/v	8		TO-15	Total/NA
Freon 22	0.57	J	4.0	0.46	ppb v/v	8		TO-15	Total/NA
n-Butane	6.4		4.0	0.62	ppb v/v	8		TO-15	Total/NA
1,3-Butadiene	5.8		1.6	0.71	ppb v/v	8		TO-15	Total/NA
1,1-Dichloroethene	7.6		1.6	0.29	ppb v/v	8		TO-15	Total/NA
Acetone	220		40	6.9	ppb v/v	8		TO-15	Total/NA
Isopropyl alcohol	12	J	40	7.8	ppb v/v	8		TO-15	Total/NA
Carbon disulfide	1.7	J	4.0	0.34	ppb v/v	8		TO-15	Total/NA
trans-1,2-Dichloroethene	8.1		1.6	0.34	ppb v/v	8		TO-15	Total/NA
n-Hexane	3.9		1.6	0.43	ppb v/v	8		TO-15	Total/NA
1,1-Dichloroethane	84		1.6	0.20	ppb v/v	8		TO-15	Total/NA
Methyl Ethyl Ketone	47		4.0	0.42	ppb v/v	8		TO-15	Total/NA
cis-1,2-Dichloroethene	6.7		1.6	0.28	ppb v/v	8		TO-15	Total/NA
1,2-Dichloroethene, Total	15		3.2	0.28	ppb v/v	8		TO-15	Total/NA
Chloroform	9.5		1.6	0.66	ppb v/v	8		TO-15	Total/NA
1,1,1-Trichloroethane	44		1.6	0.37	ppb v/v	8		TO-15	Total/NA
2,2,4-Trimethylpentane	0.36	J	1.6	0.31	ppb v/v	8		TO-15	Total/NA
Benzene	12		1.6	0.34	ppb v/v	8		TO-15	Total/NA
n-Heptane	1.6		1.6	0.32	ppb v/v	8		TO-15	Total/NA
Trichloroethene	210		1.6	0.31	ppb v/v	8		TO-15	Total/NA
methyl isobutyl ketone	3.5	J	4.0	0.40	ppb v/v	8		TO-15	Total/NA
Toluene	16		1.6	0.74	ppb v/v	8		TO-15	Total/NA
Tetrachloroethene	4.1		1.6	0.18	ppb v/v	8		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	9.8		4.0	0.46	ppb v/v	8		TO-15	Total/NA
Ethylbenzene	2.2		1.6	0.26	ppb v/v	8		TO-15	Total/NA
m,p-Xylene	6.6		4.0	0.57	ppb v/v	8		TO-15	Total/NA
Xylene, o-	2.2		1.6	0.30	ppb v/v	8		TO-15	Total/NA
Xylene (total)	8.8		5.6	0.30	ppb v/v	8		TO-15	Total/NA
Styrene	1.7		1.6	0.34	ppb v/v	8		TO-15	Total/NA
n-Propylbenzene	0.76	J	1.6	0.34	ppb v/v	8		TO-15	Total/NA
4-Ethyltoluene	1.3	J	1.6	0.35	ppb v/v	8		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.83	J	1.6	0.31	ppb v/v	8		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.4		1.6	0.34	ppb v/v	8		TO-15	Total/NA
Naphthalene	0.61	J B	4.0	0.46	ppb v/v	8		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: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS3 (Continued) — Lab Sample ID: 200-33270-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.2	J	20	3.2	ug/m3	8		TO-15	Total/NA
Freon 22	2.0	J	14	1.6	ug/m3	8		TO-15	Total/NA
n-Butane	15		9.5	1.5	ug/m3	8		TO-15	Total/NA
1,3-Butadiene	13		3.5	1.6	ug/m3	8		TO-15	Total/NA
1,1-Dichloroethene	30		6.3	1.1	ug/m3	8		TO-15	Total/NA
Acetone	520		95	16	ug/m3	8		TO-15	Total/NA
Isopropyl alcohol	29	J	98	19	ug/m3	8		TO-15	Total/NA
Carbon disulfide	5.4	J	12	1.1	ug/m3	8		TO-15	Total/NA
trans-1,2-Dichloroethene	32		6.3	1.4	ug/m3	8		TO-15	Total/NA
n-Hexane	14		5.6	1.5	ug/m3	8		TO-15	Total/NA
1,1-Dichloroethane	340		6.5	0.81	ug/m3	8		TO-15	Total/NA
Methyl Ethyl Ketone	140		12	1.2	ug/m3	8		TO-15	Total/NA
cis-1,2-Dichloroethene	26		6.3	1.1	ug/m3	8		TO-15	Total/NA
1,2-Dichloroethene, Total	59		13	1.1	ug/m3	8		TO-15	Total/NA
Chloroform	46		7.8	3.2	ug/m3	8		TO-15	Total/NA
1,1,1-Trichloroethane	240		8.7	2.0	ug/m3	8		TO-15	Total/NA
2,2,4-Trimethylpentane	1.7	J	7.5	1.5	ug/m3	8		TO-15	Total/NA
Benzene	39		5.1	1.1	ug/m3	8		TO-15	Total/NA
n-Heptane	6.6		6.6	1.3	ug/m3	8		TO-15	Total/NA
Trichloroethene	1100		8.6	1.7	ug/m3	8		TO-15	Total/NA
methyl isobutyl ketone	14	J	16	1.6	ug/m3	8		TO-15	Total/NA
Toluene	60		6.0	2.8	ug/m3	8		TO-15	Total/NA
Tetrachloroethene	28		11	1.2	ug/m3	8		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	40		16	1.9	ug/m3	8		TO-15	Total/NA
Ethylbenzene	9.7		6.9	1.1	ug/m3	8		TO-15	Total/NA
m,p-Xylene	29		17	2.5	ug/m3	8		TO-15	Total/NA
Xylene, o-	9.7		6.9	1.3	ug/m3	8		TO-15	Total/NA
Xylene (total)	38		24	1.3	ug/m3	8		TO-15	Total/NA
Styrene	7.3		6.8	1.5	ug/m3	8		TO-15	Total/NA
n-Propylbenzene	3.7	J	7.9	1.7	ug/m3	8		TO-15	Total/NA
4-Ethyltoluene	6.2	J	7.9	1.7	ug/m3	8		TO-15	Total/NA
1,3,5-Trimethylbenzene	4.1	J	7.9	1.5	ug/m3	8		TO-15	Total/NA
1,2,4-Trimethylbenzene	17		7.9	1.7	ug/m3	8		TO-15	Total/NA
Naphthalene	3.2	J B	21	2.4	ug/m3	8		TO-15	Total/NA

Client Sample ID: SS2 — Lab Sample ID: 200-33270-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	69		40	7.3	ppb v/v	202		TO-15	Total/NA
trans-1,2-Dichloroethene	16	J	40	8.7	ppb v/v	202		TO-15	Total/NA
1,1-Dichloroethane	850		40	5.1	ppb v/v	202		TO-15	Total/NA
cis-1,2-Dichloroethene	81		40	7.1	ppb v/v	202		TO-15	Total/NA
1,2-Dichloroethene, Total	97		81	7.1	ppb v/v	202		TO-15	Total/NA
1,1,1-Trichloroethane	6800		40	9.3	ppb v/v	202		TO-15	Total/NA
Trichloroethene	290		40	7.9	ppb v/v	202		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	270		160	29	ug/m3	202		TO-15	Total/NA
trans-1,2-Dichloroethene	62	J	160	34	ug/m3	202		TO-15	Total/NA
1,1-Dichloroethane	3400		160	20	ug/m3	202		TO-15	Total/NA
cis-1,2-Dichloroethene	320		160	28	ug/m3	202		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: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS2 (Continued) — Lab Sample ID: 200-33270-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	380		320	28	ug/m3	202		TO-15	Total/NA
1,1,1-Trichloroethane	37000		220	51	ug/m3	202		TO-15	Total/NA
Trichloroethene	1600		220	42	ug/m3	202		TO-15	Total/NA

Client Sample ID: SS1 — Lab Sample ID: 200-33270-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	150000		20000	3500	ppb v/v	98100		TO-15	Total/NA
Carbon disulfide	4700	J	49000	4200	ppb v/v	98100		TO-15	Total/NA
1,1-Dichloroethane	44000		20000	2500	ppb v/v	98100		TO-15	Total/NA
cis-1,2-Dichloroethene	94000		20000	3400	ppb v/v	98100		TO-15	Total/NA
1,2-Dichloroethene, Total	94000		39000	3400	ppb v/v	98100		TO-15	Total/NA
1,1,1-Trichloroethane	3000000		20000	4500	ppb v/v	98100		TO-15	Total/NA
Trichloroethene	980000		20000	3800	ppb v/v	98100		TO-15	Total/NA
Tetrachloroethene	5700	J	20000	2300	ppb v/v	98100		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	580000		78000	14000	ug/m3	98100		TO-15	Total/NA
Carbon disulfide	15000	J	150000	13000	ug/m3	98100		TO-15	Total/NA
1,1-Dichloroethane	180000		79000	9900	ug/m3	98100		TO-15	Total/NA
cis-1,2-Dichloroethene	370000		78000	14000	ug/m3	98100		TO-15	Total/NA
1,2-Dichloroethene, Total	370000		160000	14000	ug/m3	98100		TO-15	Total/NA
1,1,1-Trichloroethane	16000000		110000	25000	ug/m3	98100		TO-15	Total/NA
Trichloroethene	5300000		110000	21000	ug/m3	98100		TO-15	Total/NA
Tetrachloroethene	39000	J	130000	15000	ug/m3	98100		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: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4

Date Collected: 04/27/16 12:05
Date Received: 04/28/16 09:50
Sample Container: Summa Canister 6L

Lab Sample ID: 200-33270-1

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.0	0.64	ppb v/v			05/03/16 17:08	8
Freon 22	**0.55**	**J**	4.0	0.46	ppb v/v			05/03/16 17:08	8
1,2-Dichlorotetrafluoroethane	ND		1.6	0.30	ppb v/v			05/03/16 17:08	8
Chloromethane	ND		4.0	0.74	ppb v/v			05/03/16 17:08	8
n-Butane	**1.5**	**J**	4.0	0.62	ppb v/v			05/03/16 17:08	8
Vinyl chloride	ND		1.6	0.26	ppb v/v			05/03/16 17:08	8
1,3-Butadiene	ND		1.6	0.71	ppb v/v			05/03/16 17:08	8
Bromomethane	ND		1.6	0.45	ppb v/v			05/03/16 17:08	8
Chloroethane	ND		4.0	0.68	ppb v/v			05/03/16 17:08	8
Bromoethene(Vinyl Bromide)	ND		1.6	0.35	ppb v/v			05/03/16 17:08	8
Trichlorofluoromethane	ND		1.6	0.30	ppb v/v			05/03/16 17:08	8
Freon TF	ND		1.6	0.60	ppb v/v			05/03/16 17:08	8
1,1-Dichloroethene	ND		1.6	0.29	ppb v/v			05/03/16 17:08	8
Acetone	**240**		40	6.9	ppb v/v			05/03/16 17:08	8
Isopropyl alcohol	**28**	**J**	40	7.8	ppb v/v			05/03/16 17:08	8
Carbon disulfide	**11**		4.0	0.34	ppb v/v			05/03/16 17:08	8
3-Chloropropene	ND		4.0	0.54	ppb v/v			05/03/16 17:08	8
Methylene Chloride	ND		4.0	1.4	ppb v/v			05/03/16 17:08	8
tert-Butyl alcohol	**7.9**	**J**	40	6.8	ppb v/v			05/03/16 17:08	8
Methyl tert-butyl ether	ND		1.6	0.71	ppb v/v			05/03/16 17:08	8
trans-1,2-Dichloroethene	ND		1.6	0.34	ppb v/v			05/03/16 17:08	8
n-Hexane	**1.5**	**J**	1.6	0.43	ppb v/v			05/03/16 17:08	8
1,1-Dichloroethane	**0.83**	**J**	1.6	0.20	ppb v/v			05/03/16 17:08	8
Methyl Ethyl Ketone	**16**		4.0	0.42	ppb v/v			05/03/16 17:08	8
cis-1,2-Dichloroethene	**3.0**		1.6	0.28	ppb v/v			05/03/16 17:08	8
1,2-Dichloroethene, Total	**3.0**	**J**	3.2	0.28	ppb v/v			05/03/16 17:08	8
Chloroform	**1.1**	**J**	1.6	0.66	ppb v/v			05/03/16 17:08	8
Tetrahydrofuran	ND		40	11	ppb v/v			05/03/16 17:08	8
1,1,1-Trichloroethane	**16**		1.6	0.37	ppb v/v			05/03/16 17:08	8
Cyclohexane	ND		1.6	0.31	ppb v/v			05/03/16 17:08	8
Carbon tetrachloride	ND		1.6	0.26	ppb v/v			05/03/16 17:08	8
2,2,4-Trimethylpentane	ND		1.6	0.31	ppb v/v			05/03/16 17:08	8
Benzene	**0.43**	**J**	1.6	0.34	ppb v/v			05/03/16 17:08	8
1,2-Dichloroethane	ND		1.6	0.33	ppb v/v			05/03/16 17:08	8
n-Heptane	ND		1.6	0.32	ppb v/v			05/03/16 17:08	8
Trichloroethene	**130**		1.6	0.31	ppb v/v			05/03/16 17:08	8
Methyl methacrylate	ND		4.0	0.32	ppb v/v			05/03/16 17:08	8
1,2-Dichloropropane	ND		1.6	0.22	ppb v/v			05/03/16 17:08	8
1,4-Dioxane	**64**		40	4.5	ppb v/v			05/03/16 17:08	8
Bromodichloromethane	ND		1.6	0.24	ppb v/v			05/03/16 17:08	8
cis-1,3-Dichloropropene	ND		1.6	0.18	ppb v/v			05/03/16 17:08	8
methyl isobutyl ketone	**1.5**	**J**	4.0	0.40	ppb v/v			05/03/16 17:08	8
Toluene	**6.3**		1.6	0.74	ppb v/v			05/03/16 17:08	8
trans-1,3-Dichloropropene	ND		1.6	0.27	ppb v/v			05/03/16 17:08	8
1,1,2-Trichloroethane	ND		1.6	0.31	ppb v/v			05/03/16 17:08	8
Tetrachloroethene	**3.2**		1.6	0.18	ppb v/v			05/03/16 17:08	8
Methyl Butyl Ketone (2-Hexanone)	**1.9**	**J**	4.0	0.46	ppb v/v			05/03/16 17:08	8
Dibromochloromethane	ND		1.6	0.35	ppb v/v			05/03/16 17:08	8

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4

Date Collected: 04/27/16 12:05
Date Received: 04/28/16 09:50
Sample Container: Summa Canister 6L

Lab Sample ID: 200-33270-1

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		1.6	0.31	ppb v/v			05/03/16 17:08	8
Chlorobenzene	ND		1.6	0.39	ppb v/v			05/03/16 17:08	8
Ethylbenzene	**1.5**	**J**	1.6	0.26	ppb v/v			05/03/16 17:08	8
m,p-Xylene	**5.9**		4.0	0.57	ppb v/v			05/03/16 17:08	8
Xylene, o-	**1.9**		1.6	0.30	ppb v/v			05/03/16 17:08	8
Xylene (total)	**7.8**		5.6	0.30	ppb v/v			05/03/16 17:08	8
Styrene	**0.50**	**J**	1.6	0.34	ppb v/v			05/03/16 17:08	8
Bromoform	ND	*	1.6	0.45	ppb v/v			05/03/16 17:08	8
Cumene	ND		1.6	0.24	ppb v/v			05/03/16 17:08	8
1,1,2,2-Tetrachloroethane	ND		1.6	0.35	ppb v/v			05/03/16 17:08	8
n-Propylbenzene	**0.36**	**J**	1.6	0.34	ppb v/v			05/03/16 17:08	8
4-Ethyltoluene	**0.60**	**J**	1.6	0.35	ppb v/v			05/03/16 17:08	8
1,3,5-Trimethylbenzene	**0.50**	**J**	1.6	0.31	ppb v/v			05/03/16 17:08	8
2-Chlorotoluene	ND		1.6	0.26	ppb v/v			05/03/16 17:08	8
tert-Butylbenzene	ND		1.6	0.35	ppb v/v			05/03/16 17:08	8
1,2,4-Trimethylbenzene	**2.4**		1.6	0.34	ppb v/v			05/03/16 17:08	8
sec-Butylbenzene	ND		1.6	0.35	ppb v/v			05/03/16 17:08	8
4-Isopropyltoluene	**0.97**	**J**	1.6	0.30	ppb v/v			05/03/16 17:08	8
1,3-Dichlorobenzene	ND		1.6	0.44	ppb v/v			05/03/16 17:08	8
1,4-Dichlorobenzene	ND		1.6	0.46	ppb v/v			05/03/16 17:08	8
Benzyl chloride	ND		1.6	0.42	ppb v/v			05/03/16 17:08	8
n-Butylbenzene	ND		1.6	0.38	ppb v/v			05/03/16 17:08	8
1,2-Dichlorobenzene	ND		1.6	0.44	ppb v/v			05/03/16 17:08	8
1,2,4-Trichlorobenzene	ND		4.0	0.54	ppb v/v			05/03/16 17:08	8
Hexachlorobutadiene	ND		1.6	0.66	ppb v/v			05/03/16 17:08	8
Naphthalene	ND		4.0	0.46	ppb v/v			05/03/16 17:08	8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		20	3.2	ug/m3			05/03/16 17:08	8
Freon 22	**2.0**	**J**	14	1.6	ug/m3			05/03/16 17:08	8
1,2-Dichlorotetrafluoroethane	ND		11	2.1	ug/m3			05/03/16 17:08	8
Chloromethane	ND		8.3	1.5	ug/m3			05/03/16 17:08	8
n-Butane	**3.6**	**J**	9.5	1.5	ug/m3			05/03/16 17:08	8
Vinyl chloride	ND		4.1	0.65	ug/m3			05/03/16 17:08	8
1,3-Butadiene	ND		3.5	1.6	ug/m3			05/03/16 17:08	8
Bromomethane	ND		6.2	1.7	ug/m3			05/03/16 17:08	8
Chloroethane	ND		11	1.8	ug/m3			05/03/16 17:08	8
Bromoethene(Vinyl Bromide)	ND		7.0	1.5	ug/m3			05/03/16 17:08	8
Trichlorofluoromethane	ND		9.0	1.7	ug/m3			05/03/16 17:08	8
Freon TF	ND		12	4.6	ug/m3			05/03/16 17:08	8
1,1-Dichloroethene	ND		6.3	1.1	ug/m3			05/03/16 17:08	8
Acetone	**580**		95	16	ug/m3			05/03/16 17:08	8
Isopropyl alcohol	**69**	**J**	98	19	ug/m3			05/03/16 17:08	8
Carbon disulfide	**35**		12	1.1	ug/m3			05/03/16 17:08	8
3-Chloropropene	ND		13	1.7	ug/m3			05/03/16 17:08	8
Methylene Chloride	ND		14	5.0	ug/m3			05/03/16 17:08	8
tert-Butyl alcohol	**24**	**J**	120	21	ug/m3			05/03/16 17:08	8
Methyl tert-butyl ether	ND		5.8	2.6	ug/m3			05/03/16 17:08	8
trans-1,2-Dichloroethene	ND		6.3	1.4	ug/m3			05/03/16 17:08	8

Client Sample ID: SS4

Lab Sample ID: 200-33270-1

Date Collected: 04/27/16 12:05
Matrix: Air
Date Received: 04/28/16 09:50
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	**5.4**	**J**	5.6	1.5	ug/m3			05/03/16 17:08	8
1,1-Dichloroethane	**3.4**	**J**	6.5	0.81	ug/m3			05/03/16 17:08	8
Methyl Ethyl Ketone	**49**		12	1.2	ug/m3			05/03/16 17:08	8
cis-1,2-Dichloroethene	**12**		6.3	1.1	ug/m3			05/03/16 17:08	8
1,2-Dichloroethene, Total	**12**	**J**	13	1.1	ug/m3			05/03/16 17:08	8
Chloroform	**5.5**	**J**	7.8	3.2	ug/m3			05/03/16 17:08	8
Tetrahydrofuran	ND		120	33	ug/m3			05/03/16 17:08	8
1,1,1-Trichloroethane	**86**		8.7	2.0	ug/m3			05/03/16 17:08	8
Cyclohexane	ND		5.5	1.1	ug/m3			05/03/16 17:08	8
Carbon tetrachloride	ND		10	1.6	ug/m3			05/03/16 17:08	8
2,2,4-Trimethylpentane	ND		7.5	1.5	ug/m3			05/03/16 17:08	8
Benzene	**1.4**	**J**	5.1	1.1	ug/m3			05/03/16 17:08	8
1,2-Dichloroethane	ND		6.5	1.3	ug/m3			05/03/16 17:08	8
n-Heptane	ND		6.6	1.3	ug/m3			05/03/16 17:08	8
Trichloroethene	**710**		8.6	1.7	ug/m3			05/03/16 17:08	8
Methyl methacrylate	ND		16	1.3	ug/m3			05/03/16 17:08	8
1,2-Dichloropropane	ND		7.4	1.0	ug/m3			05/03/16 17:08	8
1,4-Dioxane	**230**		140	16	ug/m3			05/03/16 17:08	8
Bromodichloromethane	ND		11	1.6	ug/m3			05/03/16 17:08	8
cis-1,3-Dichloropropene	ND		7.3	0.84	ug/m3			05/03/16 17:08	8
methyl isobutyl ketone	**6.2**	**J**	16	1.6	ug/m3			05/03/16 17:08	8
Toluene	**24**		6.0	2.8	ug/m3			05/03/16 17:08	8
trans-1,3-Dichloropropene	ND		7.3	1.2	ug/m3			05/03/16 17:08	8
1,1,2-Trichloroethane	ND		8.7	1.7	ug/m3			05/03/16 17:08	8
Tetrachloroethene	**21**		11	1.2	ug/m3			05/03/16 17:08	8
Methyl Butyl Ketone (2-Hexanone)	**7.7**	**J**	16	1.9	ug/m3			05/03/16 17:08	8
Dibromochloromethane	ND		14	3.0	ug/m3			05/03/16 17:08	8
1,2-Dibromoethane	ND		12	2.4	ug/m3			05/03/16 17:08	8
Chlorobenzene	ND		7.4	1.8	ug/m3			05/03/16 17:08	8
Ethylbenzene	**6.7**	**J**	6.9	1.1	ug/m3			05/03/16 17:08	8
m,p-Xylene	**26**		17	2.5	ug/m3			05/03/16 17:08	8
Xylene, o-	**8.3**		6.9	1.3	ug/m3			05/03/16 17:08	8
Xylene (total)	**34**		24	1.3	ug/m3			05/03/16 17:08	8
Styrene	**2.1**	**J**	6.8	1.5	ug/m3			05/03/16 17:08	8
Bromoform	ND	*	17	4.6	ug/m3			05/03/16 17:08	8
Cumene	ND		7.9	1.2	ug/m3			05/03/16 17:08	8
1,1,2,2-Tetrachloroethane	ND		11	2.4	ug/m3			05/03/16 17:08	8
n-Propylbenzene	**1.8**	**J**	7.9	1.7	ug/m3			05/03/16 17:08	8
4-Ethyltoluene	**3.0**	**J**	7.9	1.7	ug/m3			05/03/16 17:08	8
1,3,5-Trimethylbenzene	**2.4**	**J**	7.9	1.5	ug/m3			05/03/16 17:08	8
2-Chlorotoluene	ND		8.3	1.4	ug/m3			05/03/16 17:08	8
tert-Butylbenzene	ND		8.8	1.9	ug/m3			05/03/16 17:08	8
1,2,4-Trimethylbenzene	**12**		7.9	1.7	ug/m3			05/03/16 17:08	8
sec-Butylbenzene	ND		8.8	1.9	ug/m3			05/03/16 17:08	8
4-Isopropyltoluene	**5.3**	**J**	8.8	1.6	ug/m3			05/03/16 17:08	8
1,3-Dichlorobenzene	ND		9.6	2.6	ug/m3			05/03/16 17:08	8
1,4-Dichlorobenzene	ND		9.6	2.7	ug/m3			05/03/16 17:08	8
Benzyl chloride	ND		8.3	2.2	ug/m3			05/03/16 17:08	8

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4

Lab Sample ID: 200-33270-1
Matrix: Air

Date Collected: 04/27/16 12:05
Date Received: 04/28/16 09:50
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		8.8	2.1	ug/m3			05/03/16 17:08	8
1,2-Dichlorobenzene	ND		9.6	2.6	ug/m3			05/03/16 17:08	8
1,2,4-Trichlorobenzene	ND		30	4.0	ug/m3			05/03/16 17:08	8
Hexachlorobutadiene	ND		17	7.0	ug/m3			05/03/16 17:08	8
Naphthalene	ND		21	2.4	ug/m3			05/03/16 17:08	8

Client Sample ID: SS3

Lab Sample ID: 200-33270-2
Matrix: Air

Date Collected: 04/27/16 12:30
Date Received: 04/28/16 09:50
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	**0.64**	**J**	4.0	0.64	ppb v/v			05/03/16 15:26	8
Freon 22	**0.57**	**J**	4.0	0.46	ppb v/v			05/03/16 15:26	8
1,2-Dichlorotetrafluoroethane	ND		1.6	0.30	ppb v/v			05/03/16 15:26	8
Chloromethane	ND		4.0	0.74	ppb v/v			05/03/16 15:26	8
n-Butane	**6.4**		4.0	0.62	ppb v/v			05/03/16 15:26	8
Vinyl chloride	ND		1.6	0.26	ppb v/v			05/03/16 15:26	8
1,3-Butadiene	**5.8**		1.6	0.71	ppb v/v			05/03/16 15:26	8
Bromomethane	ND		1.6	0.45	ppb v/v			05/03/16 15:26	8
Chloroethane	ND		4.0	0.68	ppb v/v			05/03/16 15:26	8
Bromoethene(Vinyl Bromide)	ND		1.6	0.35	ppb v/v			05/03/16 15:26	8
Trichlorofluoromethane	ND		1.6	0.30	ppb v/v			05/03/16 15:26	8
Freon TF	ND		1.6	0.60	ppb v/v			05/03/16 15:26	8
1,1-Dichloroethene	**7.6**		1.6	0.29	ppb v/v			05/03/16 15:26	8
Acetone	**220**		40	6.9	ppb v/v			05/03/16 15:26	8
Isopropyl alcohol	**12**	**J**	40	7.8	ppb v/v			05/03/16 15:26	8
Carbon disulfide	**1.7**	**J**	4.0	0.34	ppb v/v			05/03/16 15:26	8
3-Chloropropene	ND		4.0	0.54	ppb v/v			05/03/16 15:26	8
Methylene Chloride	ND		4.0	1.4	ppb v/v			05/03/16 15:26	8
tert-Butyl alcohol	ND		40	6.8	ppb v/v			05/03/16 15:26	8
Methyl tert-butyl ether	ND		1.6	0.71	ppb v/v			05/03/16 15:26	8
trans-1,2-Dichloroethene	**8.1**		1.6	0.34	ppb v/v			05/03/16 15:26	8
n-Hexane	**3.9**		1.6	0.43	ppb v/v			05/03/16 15:26	8
1,1-Dichloroethane	**84**		1.6	0.20	ppb v/v			05/03/16 15:26	8
Methyl Ethyl Ketone	**47**		4.0	0.42	ppb v/v			05/03/16 15:26	8
cis-1,2-Dichloroethene	**6.7**		1.6	0.28	ppb v/v			05/03/16 15:26	8
1,2-Dichloroethene, Total	**15**		3.2	0.28	ppb v/v			05/03/16 15:26	8
Chloroform	**9.5**		1.6	0.66	ppb v/v			05/03/16 15:26	8
Tetrahydrofuran	ND		40	11	ppb v/v			05/03/16 15:26	8
1,1,1-Trichloroethane	**44**		1.6	0.37	ppb v/v			05/03/16 15:26	8
Cyclohexane	ND		1.6	0.31	ppb v/v			05/03/16 15:26	8
Carbon tetrachloride	ND		1.6	0.26	ppb v/v			05/03/16 15:26	8
2,2,4-Trimethylpentane	**0.36**	**J**	1.6	0.31	ppb v/v			05/03/16 15:26	8
Benzene	**12**		1.6	0.34	ppb v/v			05/03/16 15:26	8
1,2-Dichloroethane	ND		1.6	0.33	ppb v/v			05/03/16 15:26	8
n-Heptane	**1.6**		1.6	0.32	ppb v/v			05/03/16 15:26	8
Trichloroethene	**210**		1.6	0.31	ppb v/v			05/03/16 15:26	8

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS3

Date Collected: 04/27/16 12:30
Date Received: 04/28/16 09:50
Sample Container: Summa Canister 6L

Lab Sample ID: 200-33270-2

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		4.0	0.32	ppb v/v			05/03/16 15:26	8
1,2-Dichloropropane	ND		1.6	0.22	ppb v/v			05/03/16 15:26	8
1,4-Dioxane	ND		40	4.5	ppb v/v			05/03/16 15:26	8
Bromodichloromethane	ND		1.6	0.24	ppb v/v			05/03/16 15:26	8
cis-1,3-Dichloropropene	ND		1.6	0.18	ppb v/v			05/03/16 15:26	8
methyl isobutyl ketone	**3.5**	**J**	4.0	0.40	ppb v/v			05/03/16 15:26	8
Toluene	**16**		1.6	0.74	ppb v/v			05/03/16 15:26	8
trans-1,3-Dichloropropene	ND		1.6	0.27	ppb v/v			05/03/16 15:26	8
1,1,2-Trichloroethane	ND		1.6	0.31	ppb v/v			05/03/16 15:26	8
Tetrachloroethene	**4.1**		1.6	0.18	ppb v/v			05/03/16 15:26	8
Methyl Butyl Ketone (2-Hexanone)	**9.8**		4.0	0.46	ppb v/v			05/03/16 15:26	8
Dibromochloromethane	ND		1.6	0.35	ppb v/v			05/03/16 15:26	8
1,2-Dibromoethane	ND		1.6	0.31	ppb v/v			05/03/16 15:26	8
Chlorobenzene	ND		1.6	0.39	ppb v/v			05/03/16 15:26	8
Ethylbenzene	**2.2**		1.6	0.26	ppb v/v			05/03/16 15:26	8
m,p-Xylene	**6.6**		4.0	0.57	ppb v/v			05/03/16 15:26	8
Xylene, o-	**2.2**		1.6	0.30	ppb v/v			05/03/16 15:26	8
Xylene (total)	**8.8**		5.6	0.30	ppb v/v			05/03/16 15:26	8
Styrene	**1.7**		1.6	0.34	ppb v/v			05/03/16 15:26	8
Bromoform	ND	*	1.6	0.45	ppb v/v			05/03/16 15:26	8
Cumene	ND		1.6	0.24	ppb v/v			05/03/16 15:26	8
1,1,2,2-Tetrachloroethane	ND		1.6	0.35	ppb v/v			05/03/16 15:26	8
n-Propylbenzene	**0.76**	**J**	1.6	0.34	ppb v/v			05/03/16 15:26	8
4-Ethyltoluene	**1.3**	**J**	1.6	0.35	ppb v/v			05/03/16 15:26	8
1,3,5-Trimethylbenzene	**0.83**	**J**	1.6	0.31	ppb v/v			05/03/16 15:26	8
2-Chlorotoluene	ND		1.6	0.26	ppb v/v			05/03/16 15:26	8
tert-Butylbenzene	ND		1.6	0.35	ppb v/v			05/03/16 15:26	8
1,2,4-Trimethylbenzene	**3.4**		1.6	0.34	ppb v/v			05/03/16 15:26	8
sec-Butylbenzene	ND		1.6	0.35	ppb v/v			05/03/16 15:26	8
4-Isopropyltoluene	ND		1.6	0.30	ppb v/v			05/03/16 15:26	8
1,3-Dichlorobenzene	ND		1.6	0.44	ppb v/v			05/03/16 15:26	8
1,4-Dichlorobenzene	ND		1.6	0.46	ppb v/v			05/03/16 15:26	8
Benzyl chloride	ND		1.6	0.42	ppb v/v			05/03/16 15:26	8
n-Butylbenzene	ND		1.6	0.38	ppb v/v			05/03/16 15:26	8
1,2-Dichlorobenzene	ND		1.6	0.44	ppb v/v			05/03/16 15:26	8
1,2,4-Trichlorobenzene	ND		4.0	0.54	ppb v/v			05/03/16 15:26	8
Hexachlorobutadiene	ND		1.6	0.66	ppb v/v			05/03/16 15:26	8
Naphthalene	**0.61**	**J B**	4.0	0.46	ppb v/v			05/03/16 15:26	8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.2**	**J**	20	3.2	ug/m3			05/03/16 15:26	8
Freon 22	**2.0**	**J**	14	1.6	ug/m3			05/03/16 15:26	8
1,2-Dichlorotetrafluoroethane	ND		11	2.1	ug/m3			05/03/16 15:26	8
Chloromethane	ND		8.3	1.5	ug/m3			05/03/16 15:26	8
n-Butane	**15**		9.5	1.5	ug/m3			05/03/16 15:26	8
Vinyl chloride	ND		4.1	0.65	ug/m3			05/03/16 15:26	8
1,3-Butadiene	**13**		3.5	1.6	ug/m3			05/03/16 15:26	8
Bromomethane	ND		6.2	1.7	ug/m3			05/03/16 15:26	8
Chloroethane	ND		11	1.8	ug/m3			05/03/16 15:26	8

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS3

Date Collected: 04/27/16 12:30
Date Received: 04/28/16 09:50
Sample Container: Summa Canister 6L

Lab Sample ID: 200-33270-2

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		7.0	1.5	ug/m3			05/03/16 15:26	8
Trichlorofluoromethane	ND		9.0	1.7	ug/m3			05/03/16 15:26	8
Freon TF	ND		12	4.6	ug/m3			05/03/16 15:26	8
1,1-Dichloroethene	**30**		6.3	1.1	ug/m3			05/03/16 15:26	8
Acetone	**520**		95	16	ug/m3			05/03/16 15:26	8
Isopropyl alcohol	**29**	**J**	98	19	ug/m3			05/03/16 15:26	8
Carbon disulfide	**5.4**	**J**	12	1.1	ug/m3			05/03/16 15:26	8
3-Chloropropene	ND		13	1.7	ug/m3			05/03/16 15:26	8
Methylene Chloride	ND		14	5.0	ug/m3			05/03/16 15:26	8
tert-Butyl alcohol	ND		120	21	ug/m3			05/03/16 15:26	8
Methyl tert-butyl ether	ND		5.8	2.6	ug/m3			05/03/16 15:26	8
trans-1,2-Dichloroethene	**32**		6.3	1.4	ug/m3			05/03/16 15:26	8
n-Hexane	**14**		5.6	1.5	ug/m3			05/03/16 15:26	8
1,1-Dichloroethane	**340**		6.5	0.81	ug/m3			05/03/16 15:26	8
Methyl Ethyl Ketone	**140**		12	1.2	ug/m3			05/03/16 15:26	8
cis-1,2-Dichloroethene	**26**		6.3	1.1	ug/m3			05/03/16 15:26	8
1,2-Dichloroethene, Total	**59**		13	1.1	ug/m3			05/03/16 15:26	8
Chloroform	**46**		7.8	3.2	ug/m3			05/03/16 15:26	8
Tetrahydrofuran	ND		120	33	ug/m3			05/03/16 15:26	8
1,1,1-Trichloroethane	**240**		8.7	2.0	ug/m3			05/03/16 15:26	8
Cyclohexane	ND		5.5	1.1	ug/m3			05/03/16 15:26	8
Carbon tetrachloride	ND		10	1.6	ug/m3			05/03/16 15:26	8
2,2,4-Trimethylpentane	**1.7**	**J**	7.5	1.5	ug/m3			05/03/16 15:26	8
Benzene	**39**		5.1	1.1	ug/m3			05/03/16 15:26	8
1,2-Dichloroethane	ND		6.5	1.3	ug/m3			05/03/16 15:26	8
n-Heptane	**6.6**		6.6	1.3	ug/m3			05/03/16 15:26	8
Trichloroethene	**1100**		8.6	1.7	ug/m3			05/03/16 15:26	8
Methyl methacrylate	ND		16	1.3	ug/m3			05/03/16 15:26	8
1,2-Dichloropropane	ND		7.4	1.0	ug/m3			05/03/16 15:26	8
1,4-Dioxane	ND		140	16	ug/m3			05/03/16 15:26	8
Bromodichloromethane	ND		11	1.6	ug/m3			05/03/16 15:26	8
cis-1,3-Dichloropropene	ND		7.3	0.84	ug/m3			05/03/16 15:26	8
methyl isobutyl ketone	**14**	**J**	16	1.6	ug/m3			05/03/16 15:26	8
Toluene	**60**		6.0	2.8	ug/m3			05/03/16 15:26	8
trans-1,3-Dichloropropene	ND		7.3	1.2	ug/m3			05/03/16 15:26	8
1,1,2-Trichloroethane	ND		8.7	1.7	ug/m3			05/03/16 15:26	8
Tetrachloroethene	**28**		11	1.2	ug/m3			05/03/16 15:26	8
Methyl Butyl Ketone (2-Hexanone)	**40**		16	1.9	ug/m3			05/03/16 15:26	8
Dibromochloromethane	ND		14	3.0	ug/m3			05/03/16 15:26	8
1,2-Dibromoethane	ND		12	2.4	ug/m3			05/03/16 15:26	8
Chlorobenzene	ND		7.4	1.8	ug/m3			05/03/16 15:26	8
Ethylbenzene	**9.7**		6.9	1.1	ug/m3			05/03/16 15:26	8
m,p-Xylene	**29**		17	2.5	ug/m3			05/03/16 15:26	8
Xylene, o-	**9.7**		6.9	1.3	ug/m3			05/03/16 15:26	8
Xylene (total)	**38**		24	1.3	ug/m3			05/03/16 15:26	8
Styrene	**7.3**		6.8	1.5	ug/m3			05/03/16 15:26	8
Bromoform	ND	*	17	4.6	ug/m3			05/03/16 15:26	8
Cumene	ND		7.9	1.2	ug/m3			05/03/16 15:26	8

Client Sample ID: SS3

Lab Sample ID: 200-33270-2
Matrix: Air

Date Collected: 04/27/16 12:30
Date Received: 04/28/16 09:50
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		11	2.4	ug/m3			05/03/16 15:26	8
n-Propylbenzene	**3.7**	**J**	7.9	1.7	ug/m3			05/03/16 15:26	8
4-Ethyltoluene	**6.2**	**J**	7.9	1.7	ug/m3			05/03/16 15:26	8
1,3,5-Trimethylbenzene	**4.1**	**J**	7.9	1.5	ug/m3			05/03/16 15:26	8
2-Chlorotoluene	ND		8.3	1.4	ug/m3			05/03/16 15:26	8
tert-Butylbenzene	ND		8.8	1.9	ug/m3			05/03/16 15:26	8
1,2,4-Trimethylbenzene	**17**		7.9	1.7	ug/m3			05/03/16 15:26	8
sec-Butylbenzene	ND		8.8	1.9	ug/m3			05/03/16 15:26	8
4-Isopropyltoluene	ND		8.8	1.6	ug/m3			05/03/16 15:26	8
1,3-Dichlorobenzene	ND		9.6	2.6	ug/m3			05/03/16 15:26	8
1,4-Dichlorobenzene	ND		9.6	2.7	ug/m3			05/03/16 15:26	8
Benzyl chloride	ND		8.3	2.2	ug/m3			05/03/16 15:26	8
n-Butylbenzene	ND		8.8	2.1	ug/m3			05/03/16 15:26	8
1,2-Dichlorobenzene	ND		9.6	2.6	ug/m3			05/03/16 15:26	8
1,2,4-Trichlorobenzene	ND		30	4.0	ug/m3			05/03/16 15:26	8
Hexachlorobutadiene	ND		17	7.0	ug/m3			05/03/16 15:26	8
Naphthalene	**3.2**	**J B**	21	2.4	ug/m3			05/03/16 15:26	8

Client Sample ID: SS2

Lab Sample ID: 200-33270-3
Matrix: Air

Date Collected: 04/27/16 12:40
Date Received: 04/28/16 09:50
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	ND		100	16	ppb v/v			05/03/16 03:31	202
Freon 22	ND		100	12	ppb v/v			05/03/16 03:31	202
1,2-Dichlorotetrafluoroethane	ND		40	7.7	ppb v/v			05/03/16 03:31	202
Chloromethane	ND		100	19	ppb v/v			05/03/16 03:31	202
n-Butane	ND		100	16	ppb v/v			05/03/16 03:31	202
Vinyl chloride	ND		40	6.5	ppb v/v			05/03/16 03:31	202
1,3-Butadiene	ND		40	18	ppb v/v			05/03/16 03:31	202
Bromomethane	ND		40	11	ppb v/v			05/03/16 03:31	202
Chloroethane	ND		100	17	ppb v/v			05/03/16 03:31	202
Bromoethene(Vinyl Bromide)	ND		40	8.9	ppb v/v			05/03/16 03:31	202
Trichlorofluoromethane	ND		40	7.7	ppb v/v			05/03/16 03:31	202
Freon TF	ND		40	15	ppb v/v			05/03/16 03:31	202
1,1-Dichloroethene	**69**		40	7.3	ppb v/v			05/03/16 03:31	202
Acetone	ND		1000	170	ppb v/v			05/03/16 03:31	202
Isopropyl alcohol	ND		1000	200	ppb v/v			05/03/16 03:31	202
Carbon disulfide	ND		100	8.7	ppb v/v			05/03/16 03:31	202
3-Chloropropene	ND		100	14	ppb v/v			05/03/16 03:31	202
Methylene Chloride	ND		100	36	ppb v/v			05/03/16 03:31	202
tert-Butyl alcohol	ND		1000	170	ppb v/v			05/03/16 03:31	202
Methyl tert-butyl ether	ND		40	18	ppb v/v			05/03/16 03:31	202
trans-1,2-Dichloroethene	**16**	**J**	40	8.7	ppb v/v			05/03/16 03:31	202
n-Hexane	ND		40	11	ppb v/v			05/03/16 03:31	202
1,1-Dichloroethane	**850**		40	5.1	ppb v/v			05/03/16 03:31	202
Methyl Ethyl Ketone	ND		100	11	ppb v/v			05/03/16 03:31	202

Client Sample ID: SS2

Lab Sample ID: 200-33270-3

Date Collected: 04/27/16 12:40
Matrix: Air
Date Received: 04/28/16 09:50
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	**81**		40	7.1	ppb v/v			05/03/16 03:31	202
1,2-Dichloroethene, Total	**97**		81	7.1	ppb v/v			05/03/16 03:31	202
Chloroform	ND		40	17	ppb v/v			05/03/16 03:31	202
Tetrahydrofuran	ND		1000	280	ppb v/v			05/03/16 03:31	202
1,1,1-Trichloroethane	**6800**		40	9.3	ppb v/v			05/03/16 03:31	202
Cyclohexane	ND		40	7.9	ppb v/v			05/03/16 03:31	202
Carbon tetrachloride	ND		40	6.5	ppb v/v			05/03/16 03:31	202
2,2,4-Trimethylpentane	ND		40	7.9	ppb v/v			05/03/16 03:31	202
Benzene	ND		40	8.5	ppb v/v			05/03/16 03:31	202
1,2-Dichloroethane	ND		40	8.3	ppb v/v			05/03/16 03:31	202
n-Heptane	ND		40	8.1	ppb v/v			05/03/16 03:31	202
Trichloroethene	**290**		40	7.9	ppb v/v			05/03/16 03:31	202
Methyl methacrylate	ND		100	8.1	ppb v/v			05/03/16 03:31	202
1,2-Dichloropropane	ND		40	5.5	ppb v/v			05/03/16 03:31	202
1,4-Dioxane	ND		1000	110	ppb v/v			05/03/16 03:31	202
Bromodichloromethane	ND		40	6.1	ppb v/v			05/03/16 03:31	202
cis-1,3-Dichloropropene	ND		40	4.6	ppb v/v			05/03/16 03:31	202
methyl isobutyl ketone	ND		100	10	ppb v/v			05/03/16 03:31	202
Toluene	ND		40	19	ppb v/v			05/03/16 03:31	202
trans-1,3-Dichloropropene	ND		40	6.9	ppb v/v			05/03/16 03:31	202
1,1,2-Trichloroethane	ND		40	7.9	ppb v/v			05/03/16 03:31	202
Tetrachloroethene	ND		40	4.6	ppb v/v			05/03/16 03:31	202
Methyl Butyl Ketone (2-Hexanone)	ND		100	12	ppb v/v			05/03/16 03:31	202
Dibromochloromethane	ND		40	8.9	ppb v/v			05/03/16 03:31	202
1,2-Dibromoethane	ND		40	7.9	ppb v/v			05/03/16 03:31	202
Chlorobenzene	ND		40	9.9	ppb v/v			05/03/16 03:31	202
Ethylbenzene	ND		40	6.7	ppb v/v			05/03/16 03:31	202
m,p-Xylene	ND		100	14	ppb v/v			05/03/16 03:31	202
Xylene, o-	ND		40	7.5	ppb v/v			05/03/16 03:31	202
Xylene (total)	ND		140	7.5	ppb v/v			05/03/16 03:31	202
Styrene	ND		40	8.7	ppb v/v			05/03/16 03:31	202
Bromoform	ND	*	40	11	ppb v/v			05/03/16 03:31	202
Cumene	ND		40	6.1	ppb v/v			05/03/16 03:31	202
1,1,2,2-Tetrachloroethane	ND		40	8.9	ppb v/v			05/03/16 03:31	202
n-Propylbenzene	ND		40	8.7	ppb v/v			05/03/16 03:31	202
4-Ethyltoluene	ND		40	8.9	ppb v/v			05/03/16 03:31	202
1,3,5-Trimethylbenzene	ND		40	7.9	ppb v/v			05/03/16 03:31	202
2-Chlorotoluene	ND		40	6.7	ppb v/v			05/03/16 03:31	202
tert-Butylbenzene	ND		40	8.9	ppb v/v			05/03/16 03:31	202
1,2,4-Trimethylbenzene	ND		40	8.7	ppb v/v			05/03/16 03:31	202
sec-Butylbenzene	ND		40	8.9	ppb v/v			05/03/16 03:31	202
4-Isopropyltoluene	ND		40	7.5	ppb v/v			05/03/16 03:31	202
1,3-Dichlorobenzene	ND		40	11	ppb v/v			05/03/16 03:31	202
1,4-Dichlorobenzene	ND		40	12	ppb v/v			05/03/16 03:31	202
Benzyl chloride	ND		40	11	ppb v/v			05/03/16 03:31	202
n-Butylbenzene	ND		40	9.5	ppb v/v			05/03/16 03:31	202
1,2-Dichlorobenzene	ND		40	11	ppb v/v			05/03/16 03:31	202
1,2,4-Trichlorobenzene	ND		100	14	ppb v/v			05/03/16 03:31	202

Client Sample ID: SS2

Lab Sample ID: 200-33270-3

Date Collected: 04/27/16 12:40
Matrix: Air
Date Received: 04/28/16 09:50
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		40	17	ppb v/v			05/03/16 03:31	202
Naphthalene	ND		100	12	ppb v/v			05/03/16 03:31	202

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		500	80	ug/m3			05/03/16 03:31	202
Freon 22	ND		360	41	ug/m3			05/03/16 03:31	202
1,2-Dichlorotetrafluoroethane	ND		280	54	ug/m3			05/03/16 03:31	202
Chloromethane	ND		210	39	ug/m3			05/03/16 03:31	202
n-Butane	ND		240	37	ug/m3			05/03/16 03:31	202
Vinyl chloride	ND		100	17	ug/m3			05/03/16 03:31	202
1,3-Butadiene	ND		89	40	ug/m3			05/03/16 03:31	202
Bromomethane	ND		160	44	ug/m3			05/03/16 03:31	202
Chloroethane	ND		270	45	ug/m3			05/03/16 03:31	202
Bromoethene(Vinyl Bromide)	ND		180	39	ug/m3			05/03/16 03:31	202
Trichlorofluoromethane	ND		230	43	ug/m3			05/03/16 03:31	202
Freon TF	ND		310	120	ug/m3			05/03/16 03:31	202
1,1-Dichloroethene	**270**		160	29	ug/m3			05/03/16 03:31	202
Acetone	ND		2400	410	ug/m3			05/03/16 03:31	202
Isopropyl alcohol	ND		2500	490	ug/m3			05/03/16 03:31	202
Carbon disulfide	ND		310	27	ug/m3			05/03/16 03:31	202
3-Chloropropene	ND		320	43	ug/m3			05/03/16 03:31	202
Methylene Chloride	ND		350	130	ug/m3			05/03/16 03:31	202
tert-Butyl alcohol	ND		3100	520	ug/m3			05/03/16 03:31	202
Methyl tert-butyl ether	ND		150	65	ug/m3			05/03/16 03:31	202
trans-1,2-Dichloroethene	**62**	**J**	160	34	ug/m3			05/03/16 03:31	202
n-Hexane	ND		140	38	ug/m3			05/03/16 03:31	202
1,1-Dichloroethane	**3400**		160	20	ug/m3			05/03/16 03:31	202
Methyl Ethyl Ketone	ND		300	31	ug/m3			05/03/16 03:31	202
cis-1,2-Dichloroethene	**320**		160	28	ug/m3			05/03/16 03:31	202
1,2-Dichloroethene, Total	**380**		320	28	ug/m3			05/03/16 03:31	202
Chloroform	ND		200	81	ug/m3			05/03/16 03:31	202
Tetrahydrofuran	ND		3000	830	ug/m3			05/03/16 03:31	202
1,1,1-Trichloroethane	**37000**		220	51	ug/m3			05/03/16 03:31	202
Cyclohexane	ND		140	27	ug/m3			05/03/16 03:31	202
Carbon tetrachloride	ND		250	41	ug/m3			05/03/16 03:31	202
2,2,4-Trimethylpentane	ND		190	37	ug/m3			05/03/16 03:31	202
Benzene	ND		130	27	ug/m3			05/03/16 03:31	202
1,2-Dichloroethane	ND		160	34	ug/m3			05/03/16 03:31	202
n-Heptane	ND		170	33	ug/m3			05/03/16 03:31	202
Trichloroethene	**1600**		220	42	ug/m3			05/03/16 03:31	202
Methyl methacrylate	ND		410	33	ug/m3			05/03/16 03:31	202
1,2-Dichloropropane	ND		190	25	ug/m3			05/03/16 03:31	202
1,4-Dioxane	ND		3600	410	ug/m3			05/03/16 03:31	202
Bromodichloromethane	ND		270	41	ug/m3			05/03/16 03:31	202
cis-1,3-Dichloropropene	ND		180	21	ug/m3			05/03/16 03:31	202
methyl isobutyl ketone	ND		410	41	ug/m3			05/03/16 03:31	202
Toluene	ND		150	71	ug/m3			05/03/16 03:31	202
trans-1,3-Dichloropropene	ND		180	31	ug/m3			05/03/16 03:31	202
1,1,2-Trichloroethane	ND		220	43	ug/m3			05/03/16 03:31	202

Client Sample ID: SS2

Lab Sample ID: 200-33270-3
Matrix: Air

Date Collected: 04/27/16 12:40
Date Received: 04/28/16 09:50
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		270	32	ug/m3			05/03/16 03:31	202
Methyl Butyl Ketone (2-Hexanone)	ND		410	47	ug/m3			05/03/16 03:31	202
Dibromochloromethane	ND		340	76	ug/m3			05/03/16 03:31	202
1,2-Dibromoethane	ND		310	61	ug/m3			05/03/16 03:31	202
Chlorobenzene	ND		190	46	ug/m3			05/03/16 03:31	202
Ethylbenzene	ND		180	29	ug/m3			05/03/16 03:31	202
m,p-Xylene	ND		440	62	ug/m3			05/03/16 03:31	202
Xylene, o-	ND		180	32	ug/m3			05/03/16 03:31	202
Xylene (total)	ND		610	32	ug/m3			05/03/16 03:31	202
Styrene	ND		170	37	ug/m3			05/03/16 03:31	202
Bromoform	ND	*	420	120	ug/m3			05/03/16 03:31	202
Cumene	ND		200	30	ug/m3			05/03/16 03:31	202
1,1,2,2-Tetrachloroethane	ND		280	61	ug/m3			05/03/16 03:31	202
n-Propylbenzene	ND		200	43	ug/m3			05/03/16 03:31	202
4-Ethyltoluene	ND		200	44	ug/m3			05/03/16 03:31	202
1,3,5-Trimethylbenzene	ND		200	39	ug/m3			05/03/16 03:31	202
2-Chlorotoluene	ND		210	35	ug/m3			05/03/16 03:31	202
tert-Butylbenzene	ND		220	49	ug/m3			05/03/16 03:31	202
1,2,4-Trimethylbenzene	ND		200	43	ug/m3			05/03/16 03:31	202
sec-Butylbenzene	ND		220	49	ug/m3			05/03/16 03:31	202
4-Isopropyltoluene	ND		220	41	ug/m3			05/03/16 03:31	202
1,3-Dichlorobenzene	ND		240	67	ug/m3			05/03/16 03:31	202
1,4-Dichlorobenzene	ND		240	69	ug/m3			05/03/16 03:31	202
Benzyl chloride	ND		210	55	ug/m3			05/03/16 03:31	202
n-Butylbenzene	ND		220	52	ug/m3			05/03/16 03:31	202
1,2-Dichlorobenzene	ND		240	67	ug/m3			05/03/16 03:31	202
1,2,4-Trichlorobenzene	ND		750	100	ug/m3			05/03/16 03:31	202
Hexachlorobutadiene	ND		430	180	ug/m3			05/03/16 03:31	202
Naphthalene	ND		530	60	ug/m3			05/03/16 03:31	202

Client Sample ID: SS1

Lab Sample ID: 200-33270-4
Matrix: Air

Date Collected: 04/27/16 12:55
Date Received: 04/28/16 09:50
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	ND		49000	7800	ppb v/v			05/03/16 16:17	98100
Freon 22	ND		49000	5600	ppb v/v			05/03/16 16:17	98100
1,2-Dichlorotetrafluoroethane	ND		20000	3700	ppb v/v			05/03/16 16:17	98100
Chloromethane	ND		49000	9100	ppb v/v			05/03/16 16:17	98100
n-Butane	ND		49000	7700	ppb v/v			05/03/16 16:17	98100
Vinyl chloride	ND		20000	3100	ppb v/v			05/03/16 16:17	98100
1,3-Butadiene	ND		20000	8700	ppb v/v			05/03/16 16:17	98100
Bromomethane	ND		20000	5500	ppb v/v			05/03/16 16:17	98100
Chloroethane	ND		49000	8300	ppb v/v			05/03/16 16:17	98100
Bromoethene(Vinyl Bromide)	ND		20000	4300	ppb v/v			05/03/16 16:17	98100
Trichlorofluoromethane	ND		20000	3700	ppb v/v			05/03/16 16:17	98100
Freon TF	ND		20000	7400	ppb v/v			05/03/16 16:17	98100

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS1

Date Collected: 04/27/16 12:55
Date Received: 04/28/16 09:50
Sample Container: Summa Canister 6L

Lab Sample ID: 200-33270-4

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**150000**		20000	3500	ppb v/v			05/03/16 16:17	98100
Acetone	ND		490000	84000	ppb v/v			05/03/16 16:17	98100
Isopropyl alcohol	ND		490000	96000	ppb v/v			05/03/16 16:17	98100
Carbon disulfide	**4700**	**J**	49000	4200	ppb v/v			05/03/16 16:17	98100
3-Chloropropene	ND		49000	6700	ppb v/v			05/03/16 16:17	98100
Methylene Chloride	ND		49000	18000	ppb v/v			05/03/16 16:17	98100
tert-Butyl alcohol	ND		490000	83000	ppb v/v			05/03/16 16:17	98100
Methyl tert-butyl ether	ND		20000	8700	ppb v/v			05/03/16 16:17	98100
trans-1,2-Dichloroethene	ND		20000	4200	ppb v/v			05/03/16 16:17	98100
n-Hexane	ND		20000	5300	ppb v/v			05/03/16 16:17	98100
1,1-Dichloroethane	**44000**		20000	2500	ppb v/v			05/03/16 16:17	98100
Methyl Ethyl Ketone	ND		49000	5100	ppb v/v			05/03/16 16:17	98100
cis-1,2-Dichloroethene	**94000**		20000	3400	ppb v/v			05/03/16 16:17	98100
1,2-Dichloroethene, Total	**94000**		39000	3400	ppb v/v			05/03/16 16:17	98100
Chloroform	ND		20000	8000	ppb v/v			05/03/16 16:17	98100
Tetrahydrofuran	ND		490000	140000	ppb v/v			05/03/16 16:17	98100
1,1,1-Trichloroethane	**3000000**		20000	4500	ppb v/v			05/03/16 16:17	98100
Cyclohexane	ND		20000	3800	ppb v/v			05/03/16 16:17	98100
Carbon tetrachloride	ND		20000	3100	ppb v/v			05/03/16 16:17	98100
2,2,4-Trimethylpentane	ND		20000	3800	ppb v/v			05/03/16 16:17	98100
Benzene	ND		20000	4100	ppb v/v			05/03/16 16:17	98100
1,2-Dichloroethane	ND		20000	4000	ppb v/v			05/03/16 16:17	98100
n-Heptane	ND		20000	3900	ppb v/v			05/03/16 16:17	98100
Trichloroethene	**980000**		20000	3800	ppb v/v			05/03/16 16:17	98100
Methyl methacrylate	ND		49000	3900	ppb v/v			05/03/16 16:17	98100
1,2-Dichloropropane	ND		20000	2600	ppb v/v			05/03/16 16:17	98100
1,4-Dioxane	ND		490000	55000	ppb v/v			05/03/16 16:17	98100
Bromodichloromethane	ND		20000	2900	ppb v/v			05/03/16 16:17	98100
cis-1,3-Dichloropropene	ND		20000	2300	ppb v/v			05/03/16 16:17	98100
methyl isobutyl ketone	ND		49000	4900	ppb v/v			05/03/16 16:17	98100
Toluene	ND		20000	9100	ppb v/v			05/03/16 16:17	98100
trans-1,3-Dichloropropene	ND		20000	3300	ppb v/v			05/03/16 16:17	98100
1,1,2-Trichloroethane	ND		20000	3800	ppb v/v			05/03/16 16:17	98100
Tetrachloroethene	**5700**	**J**	20000	2300	ppb v/v			05/03/16 16:17	98100
Methyl Butyl Ketone (2-Hexanone)	ND		49000	5600	ppb v/v			05/03/16 16:17	98100
Dibromochloromethane	ND		20000	4300	ppb v/v			05/03/16 16:17	98100
1,2-Dibromoethane	ND		20000	3800	ppb v/v			05/03/16 16:17	98100
Chlorobenzene	ND		20000	4800	ppb v/v			05/03/16 16:17	98100
Ethylbenzene	ND		20000	3200	ppb v/v			05/03/16 16:17	98100
m,p-Xylene	ND		49000	7000	ppb v/v			05/03/16 16:17	98100
Xylene, o-	ND		20000	3600	ppb v/v			05/03/16 16:17	98100
Xylene (total)	ND		69000	3600	ppb v/v			05/03/16 16:17	98100
Styrene	ND		20000	4200	ppb v/v			05/03/16 16:17	98100
Bromoform	ND	*	20000	5500	ppb v/v			05/03/16 16:17	98100
Cumene	ND		20000	2900	ppb v/v			05/03/16 16:17	98100
1,1,2,2-Tetrachloroethane	ND		20000	4300	ppb v/v			05/03/16 16:17	98100
n-Propylbenzene	ND		20000	4200	ppb v/v			05/03/16 16:17	98100
4-Ethyltoluene	ND		20000	4300	ppb v/v			05/03/16 16:17	98100

Client Sample ID: SS1

Lab Sample ID: 200-33270-4

Date Collected: 04/27/16 12:55
Matrix: Air
Date Received: 04/28/16 09:50
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		20000	3800	ppb v/v			05/03/16 16:17	98100
2-Chlorotoluene	ND		20000	3200	ppb v/v			05/03/16 16:17	98100
tert-Butylbenzene	ND		20000	4300	ppb v/v			05/03/16 16:17	98100
1,2,4-Trimethylbenzene	ND		20000	4200	ppb v/v			05/03/16 16:17	98100
sec-Butylbenzene	ND		20000	4300	ppb v/v			05/03/16 16:17	98100
4-Isopropyltoluene	ND		20000	3600	ppb v/v			05/03/16 16:17	98100
1,3-Dichlorobenzene	ND		20000	5400	ppb v/v			05/03/16 16:17	98100
1,4-Dichlorobenzene	ND		20000	5600	ppb v/v			05/03/16 16:17	98100
Benzyl chloride	ND		20000	5200	ppb v/v			05/03/16 16:17	98100
n-Butylbenzene	ND		20000	4600	ppb v/v			05/03/16 16:17	98100
1,2-Dichlorobenzene	ND		20000	5400	ppb v/v			05/03/16 16:17	98100
1,2,4-Trichlorobenzene	ND		49000	6700	ppb v/v			05/03/16 16:17	98100
Hexachlorobutadiene	ND		20000	8000	ppb v/v			05/03/16 16:17	98100
Naphthalene	ND		49000	5600	ppb v/v			05/03/16 16:17	98100

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		240000	39000	ug/m3			05/03/16 16:17	98100
Freon 22	ND		170000	20000	ug/m3			05/03/16 16:17	98100
1,2-Dichlorotetrafluoroethane	ND		140000	26000	ug/m3			05/03/16 16:17	98100
Chloromethane	ND		100000	19000	ug/m3			05/03/16 16:17	98100
n-Butane	ND		120000	18000	ug/m3			05/03/16 16:17	98100
Vinyl chloride	ND		50000	8000	ug/m3			05/03/16 16:17	98100
1,3-Butadiene	ND		43000	19000	ug/m3			05/03/16 16:17	98100
Bromomethane	ND		76000	21000	ug/m3			05/03/16 16:17	98100
Chloroethane	ND		130000	22000	ug/m3			05/03/16 16:17	98100
Bromoethene(Vinyl Bromide)	ND		86000	19000	ug/m3			05/03/16 16:17	98100
Trichlorofluoromethane	ND		110000	21000	ug/m3			05/03/16 16:17	98100
Freon TF	ND		150000	56000	ug/m3			05/03/16 16:17	98100
1,1-Dichloroethene	**580000**		78000	14000	ug/m3			05/03/16 16:17	98100
Acetone	ND		1200000	200000	ug/m3			05/03/16 16:17	98100
Isopropyl alcohol	ND		1200000	240000	ug/m3			05/03/16 16:17	98100
Carbon disulfide	**15000**	**J**	150000	13000	ug/m3			05/03/16 16:17	98100
3-Chloropropene	ND		150000	21000	ug/m3			05/03/16 16:17	98100
Methylene Chloride	ND		170000	61000	ug/m3			05/03/16 16:17	98100
tert-Butyl alcohol	ND		1500000	250000	ug/m3			05/03/16 16:17	98100
Methyl tert-butyl ether	ND		71000	31000	ug/m3			05/03/16 16:17	98100
trans-1,2-Dichloroethene	ND		78000	17000	ug/m3			05/03/16 16:17	98100
n-Hexane	ND		69000	19000	ug/m3			05/03/16 16:17	98100
1,1-Dichloroethane	**180000**		79000	9900	ug/m3			05/03/16 16:17	98100
Methyl Ethyl Ketone	ND		140000	15000	ug/m3			05/03/16 16:17	98100
cis-1,2-Dichloroethene	**370000**		78000	14000	ug/m3			05/03/16 16:17	98100
1,2-Dichloroethene, Total	**370000**		160000	14000	ug/m3			05/03/16 16:17	98100
Chloroform	ND		96000	39000	ug/m3			05/03/16 16:17	98100
Tetrahydrofuran	ND		1400000	410000	ug/m3			05/03/16 16:17	98100
1,1,1-Trichloroethane	**16000000**		110000	25000	ug/m3			05/03/16 16:17	98100
Cyclohexane	ND		68000	13000	ug/m3			05/03/16 16:17	98100
Carbon tetrachloride	ND		120000	20000	ug/m3			05/03/16 16:17	98100
2,2,4-Trimethylpentane	ND		92000	18000	ug/m3			05/03/16 16:17	98100
Benzene	ND		63000	13000	ug/m3			05/03/16 16:17	98100

Client Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS1

Lab Sample ID: 200-33270-4
Matrix: Air

Date Collected: 04/27/16 12:55
Date Received: 04/28/16 09:50
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		79000	16000	ug/m3			05/03/16 16:17	98100
n-Heptane	ND		80000	16000	ug/m3			05/03/16 16:17	98100
Trichloroethene	**5300000**		110000	21000	ug/m3			05/03/16 16:17	98100
Methyl methacrylate	ND		200000	16000	ug/m3			05/03/16 16:17	98100
1,2-Dichloropropane	ND		91000	12000	ug/m3			05/03/16 16:17	98100
1,4-Dioxane	ND		1800000	200000	ug/m3			05/03/16 16:17	98100
Bromodichloromethane	ND		130000	20000	ug/m3			05/03/16 16:17	98100
cis-1,3-Dichloropropene	ND		89000	10000	ug/m3			05/03/16 16:17	98100
methyl isobutyl ketone	ND		200000	20000	ug/m3			05/03/16 16:17	98100
Toluene	ND		74000	34000	ug/m3			05/03/16 16:17	98100
trans-1,3-Dichloropropene	ND		89000	15000	ug/m3			05/03/16 16:17	98100
1,1,2-Trichloroethane	ND		110000	21000	ug/m3			05/03/16 16:17	98100
Tetrachloroethene	**39000**	**J**	130000	15000	ug/m3			05/03/16 16:17	98100
Methyl Butyl Ketone (2-Hexanone)	ND		200000	23000	ug/m3			05/03/16 16:17	98100
Dibromochloromethane	ND		170000	37000	ug/m3			05/03/16 16:17	98100
1,2-Dibromoethane	ND		150000	29000	ug/m3			05/03/16 16:17	98100
Chlorobenzene	ND		90000	22000	ug/m3			05/03/16 16:17	98100
Ethylbenzene	ND		85000	14000	ug/m3			05/03/16 16:17	98100
m,p-Xylene	ND		210000	30000	ug/m3			05/03/16 16:17	98100
Xylene, o-	ND		85000	16000	ug/m3			05/03/16 16:17	98100
Xylene (total)	ND		300000	16000	ug/m3			05/03/16 16:17	98100
Styrene	ND		84000	18000	ug/m3			05/03/16 16:17	98100
Bromoform	ND	*	200000	57000	ug/m3			05/03/16 16:17	98100
Cumene	ND		96000	14000	ug/m3			05/03/16 16:17	98100
1,1,2,2-Tetrachloroethane	ND		130000	30000	ug/m3			05/03/16 16:17	98100
n-Propylbenzene	ND		96000	21000	ug/m3			05/03/16 16:17	98100
4-Ethyltoluene	ND		96000	21000	ug/m3			05/03/16 16:17	98100
1,3,5-Trimethylbenzene	ND		96000	19000	ug/m3			05/03/16 16:17	98100
2-Chlorotoluene	ND		100000	17000	ug/m3			05/03/16 16:17	98100
tert-Butylbenzene	ND		110000	24000	ug/m3			05/03/16 16:17	98100
1,2,4-Trimethylbenzene	ND		96000	21000	ug/m3			05/03/16 16:17	98100
sec-Butylbenzene	ND		110000	24000	ug/m3			05/03/16 16:17	98100
4-Isopropyltoluene	ND		110000	20000	ug/m3			05/03/16 16:17	98100
1,3-Dichlorobenzene	ND		120000	32000	ug/m3			05/03/16 16:17	98100
1,4-Dichlorobenzene	ND		120000	34000	ug/m3			05/03/16 16:17	98100
Benzyl chloride	ND		100000	27000	ug/m3			05/03/16 16:17	98100
n-Butylbenzene	ND		110000	25000	ug/m3			05/03/16 16:17	98100
1,2-Dichlorobenzene	ND		120000	32000	ug/m3			05/03/16 16:17	98100
1,2,4-Trichlorobenzene	ND		360000	50000	ug/m3			05/03/16 16:17	98100
Hexachlorobutadiene	ND		210000	86000	ug/m3			05/03/16 16:17	98100
Naphthalene	ND		260000	29000	ug/m3			05/03/16 16:17	98100

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

Lab Sample ID: MB 200-103964/5
Matrix: Air
Analysis Batch: 103964

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			05/02/16 13:02	1
Freon 22	ND		0.50	0.057	ppb v/v			05/02/16 13:02	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			05/02/16 13:02	1
Chloromethane	ND		0.50	0.093	ppb v/v			05/02/16 13:02	1
n-Butane	ND		0.50	0.078	ppb v/v			05/02/16 13:02	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			05/02/16 13:02	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			05/02/16 13:02	1
Bromomethane	ND		0.20	0.056	ppb v/v			05/02/16 13:02	1
Chloroethane	ND		0.50	0.085	ppb v/v			05/02/16 13:02	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1
Trichlorofluoromethane	ND		0.20	0.038	ppb v/v			05/02/16 13:02	1
Freon TF	ND		0.20	0.075	ppb v/v			05/02/16 13:02	1
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			05/02/16 13:02	1
Acetone	ND		5.0	0.86	ppb v/v			05/02/16 13:02	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			05/02/16 13:02	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			05/02/16 13:02	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			05/02/16 13:02	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			05/02/16 13:02	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			05/02/16 13:02	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			05/02/16 13:02	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			05/02/16 13:02	1
n-Hexane	ND		0.20	0.054	ppb v/v			05/02/16 13:02	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			05/02/16 13:02	1
Methyl Ethyl Ketone	ND		0.50	0.052	ppb v/v			05/02/16 13:02	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			05/02/16 13:02	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			05/02/16 13:02	1
Chloroform	ND		0.20	0.082	ppb v/v			05/02/16 13:02	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			05/02/16 13:02	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			05/02/16 13:02	1
Cyclohexane	ND		0.20	0.039	ppb v/v			05/02/16 13:02	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			05/02/16 13:02	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			05/02/16 13:02	1
Benzene	ND		0.20	0.042	ppb v/v			05/02/16 13:02	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			05/02/16 13:02	1
n-Heptane	ND		0.20	0.040	ppb v/v			05/02/16 13:02	1
Trichloroethene	ND		0.20	0.039	ppb v/v			05/02/16 13:02	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			05/02/16 13:02	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			05/02/16 13:02	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			05/02/16 13:02	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			05/02/16 13:02	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			05/02/16 13:02	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			05/02/16 13:02	1
Toluene	ND		0.20	0.093	ppb v/v			05/02/16 13:02	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			05/02/16 13:02	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			05/02/16 13:02	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			05/02/16 13:02	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			05/02/16 13:02	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1

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

Lab Sample ID: MB 200-103964/5
Matrix: Air
Analysis Batch: 103964

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			05/02/16 13:02	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			05/02/16 13:02	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			05/02/16 13:02	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			05/02/16 13:02	1
Xylene, o-	ND		0.20	0.037	ppb v/v			05/02/16 13:02	1
Xylene (total)	ND		0.70	0.037	ppb v/v			05/02/16 13:02	1
Styrene	ND		0.20	0.043	ppb v/v			05/02/16 13:02	1
Bromoform	ND		0.20	0.056	ppb v/v			05/02/16 13:02	1
Cumene	ND		0.20	0.030	ppb v/v			05/02/16 13:02	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			05/02/16 13:02	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			05/02/16 13:02	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			05/02/16 13:02	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			05/02/16 13:02	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			05/02/16 13:02	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			05/02/16 13:02	1
1,3-Dichlorobenzene	0.0586	J	0.20	0.055	ppb v/v			05/02/16 13:02	1
1,4-Dichlorobenzene	0.0572	J	0.20	0.057	ppb v/v			05/02/16 13:02	1
Benzyl chloride	0.0630	J	0.20	0.053	ppb v/v			05/02/16 13:02	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			05/02/16 13:02	1
1,2-Dichlorobenzene	0.0582	J	0.20	0.055	ppb v/v			05/02/16 13:02	1
1,2,4-Trichlorobenzene	0.170	J	0.50	0.068	ppb v/v			05/02/16 13:02	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			05/02/16 13:02	1
Naphthalene	0.122	J	0.50	0.057	ppb v/v			05/02/16 13:02	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.40	ug/m3			05/02/16 13:02	1
Freon 22	ND		1.8	0.20	ug/m3			05/02/16 13:02	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			05/02/16 13:02	1
Chloromethane	ND		1.0	0.19	ug/m3			05/02/16 13:02	1
n-Butane	ND		1.2	0.19	ug/m3			05/02/16 13:02	1
Vinyl chloride	ND		0.51	0.082	ug/m3			05/02/16 13:02	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			05/02/16 13:02	1
Bromomethane	ND		0.78	0.22	ug/m3			05/02/16 13:02	1
Chloroethane	ND		1.3	0.22	ug/m3			05/02/16 13:02	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			05/02/16 13:02	1
Trichlorofluoromethane	ND		1.1	0.21	ug/m3			05/02/16 13:02	1
Freon TF	ND		1.5	0.57	ug/m3			05/02/16 13:02	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			05/02/16 13:02	1
Acetone	ND		12	2.0	ug/m3			05/02/16 13:02	1
Isopropyl alcohol	ND		12	2.4	ug/m3			05/02/16 13:02	1
Carbon disulfide	ND		1.6	0.13	ug/m3			05/02/16 13:02	1
3-Chloropropene	ND		1.6	0.21	ug/m3			05/02/16 13:02	1
Methylene Chloride	ND		1.7	0.63	ug/m3			05/02/16 13:02	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			05/02/16 13:02	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			05/02/16 13:02	1

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

Lab Sample ID: MB 200-103964/5
Matrix: Air
Analysis Batch: 103964

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			05/02/16 13:02	1
n-Hexane	ND		0.70	0.19	ug/m3			05/02/16 13:02	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			05/02/16 13:02	1
Methyl Ethyl Ketone	ND		1.5	0.15	ug/m3			05/02/16 13:02	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			05/02/16 13:02	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			05/02/16 13:02	1
Chloroform	ND		0.98	0.40	ug/m3			05/02/16 13:02	1
Tetrahydrofuran	ND		15	4.1	ug/m3			05/02/16 13:02	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			05/02/16 13:02	1
Cyclohexane	ND		0.69	0.13	ug/m3			05/02/16 13:02	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			05/02/16 13:02	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			05/02/16 13:02	1
Benzene	ND		0.64	0.13	ug/m3			05/02/16 13:02	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			05/02/16 13:02	1
n-Heptane	ND		0.82	0.16	ug/m3			05/02/16 13:02	1
Trichloroethene	ND		1.1	0.21	ug/m3			05/02/16 13:02	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			05/02/16 13:02	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			05/02/16 13:02	1
1,4-Dioxane	ND		18	2.0	ug/m3			05/02/16 13:02	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			05/02/16 13:02	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			05/02/16 13:02	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			05/02/16 13:02	1
Toluene	ND		0.75	0.35	ug/m3			05/02/16 13:02	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			05/02/16 13:02	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			05/02/16 13:02	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			05/02/16 13:02	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			05/02/16 13:02	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			05/02/16 13:02	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			05/02/16 13:02	1
Chlorobenzene	ND		0.92	0.23	ug/m3			05/02/16 13:02	1
Ethylbenzene	ND		0.87	0.14	ug/m3			05/02/16 13:02	1
m,p-Xylene	ND		2.2	0.31	ug/m3			05/02/16 13:02	1
Xylene, o-	ND		0.87	0.16	ug/m3			05/02/16 13:02	1
Xylene (total)	ND		3.0	0.16	ug/m3			05/02/16 13:02	1
Styrene	ND		0.85	0.18	ug/m3			05/02/16 13:02	1
Bromoform	ND		2.1	0.58	ug/m3			05/02/16 13:02	1
Cumene	ND		0.98	0.15	ug/m3			05/02/16 13:02	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			05/02/16 13:02	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			05/02/16 13:02	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			05/02/16 13:02	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			05/02/16 13:02	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			05/02/16 13:02	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			05/02/16 13:02	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			05/02/16 13:02	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			05/02/16 13:02	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			05/02/16 13:02	1
1,3-Dichlorobenzene	0.352	J	1.2	0.33	ug/m3			05/02/16 13:02	1
1,4-Dichlorobenzene	0.344	J	1.2	0.34	ug/m3			05/02/16 13:02	1

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

Lab Sample ID: MB 200-103964/5
Matrix: Air
Analysis Batch: 103964

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	0.326	J	1.0	0.27	ug/m3			05/02/16 13:02	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			05/02/16 13:02	1
1,2-Dichlorobenzene	0.350	J	1.2	0.33	ug/m3			05/02/16 13:02	1
1,2,4-Trichlorobenzene	1.26	J	3.7	0.50	ug/m3			05/02/16 13:02	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			05/02/16 13:02	1
Naphthalene	0.640	J	2.6	0.30	ug/m3			05/02/16 13:02	1

Lab Sample ID: LCS 200-103964/4
Matrix: Air
Analysis Batch: 103964

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	10.5		ppb v/v		105	70 - 130
Freon 22	10.0	9.75		ppb v/v		97	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	11.1		ppb v/v		111	70 - 130
Chloromethane	10.0	9.35		ppb v/v		93	70 - 130
n-Butane	10.0	9.83		ppb v/v		98	70 - 130
Vinyl chloride	10.0	9.29		ppb v/v		93	70 - 130
1,3-Butadiene	10.0	9.01		ppb v/v		90	70 - 130
Bromomethane	10.0	10.1		ppb v/v		101	70 - 130
Chloroethane	10.0	9.78		ppb v/v		98	70 - 130
Bromoethene(Vinyl Bromide)	10.0	9.91		ppb v/v		99	70 - 130
Trichlorofluoromethane	10.0	9.88		ppb v/v		99	70 - 130
Freon TF	10.0	10.1		ppb v/v		101	70 - 130
1,1-Dichloroethene	10.0	9.61		ppb v/v		96	70 - 130
Acetone	10.0	9.95		ppb v/v		100	70 - 130
Isopropyl alcohol	10.0	8.15		ppb v/v		82	70 - 130
Carbon disulfide	10.0	11.5		ppb v/v		115	70 - 130
3-Chloropropene	10.0	9.81		ppb v/v		98	70 - 130
Methylene Chloride	10.0	9.39		ppb v/v		94	70 - 130
tert-Butyl alcohol	10.0	8.92		ppb v/v		89	70 - 130
Methyl tert-butyl ether	10.0	9.76		ppb v/v		98	70 - 130
trans-1,2-Dichloroethene	10.0	10.4		ppb v/v		104	70 - 130
n-Hexane	10.0	10.2		ppb v/v		102	70 - 130
1,1-Dichloroethane	10.0	9.66		ppb v/v		97	70 - 130
Methyl Ethyl Ketone	10.0	8.85		ppb v/v		89	70 - 130
cis-1,2-Dichloroethene	10.0	9.86		ppb v/v		99	70 - 130
Chloroform	10.0	9.94		ppb v/v		99	70 - 130
Tetrahydrofuran	10.0	9.55		ppb v/v		96	70 - 130
1,1,1-Trichloroethane	10.0	10.2		ppb v/v		102	70 - 130
Cyclohexane	10.0	9.87		ppb v/v		99	70 - 130
Carbon tetrachloride	10.0	11.2		ppb v/v		112	70 - 130
2,2,4-Trimethylpentane	10.0	9.34		ppb v/v		93	70 - 130
Benzene	10.0	9.67		ppb v/v		97	70 - 130
1,2-Dichloroethane	10.0	9.77		ppb v/v		98	70 - 130
n-Heptane	10.0	8.96		ppb v/v		90	70 - 130
Trichloroethene	10.0	9.79		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 200-103964/4
Matrix: Air
Analysis Batch: 103964

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	9.05		ppb v/v		90	70 - 130
1,4-Dioxane	10.0	9.30		ppb v/v		93	70 - 130
Bromodichloromethane	10.0	10.4		ppb v/v		104	70 - 130
cis-1,3-Dichloropropene	10.0	10.0		ppb v/v		100	70 - 130
methyl isobutyl ketone	10.0	9.13		ppb v/v		91	70 - 130
Toluene	10.0	9.40		ppb v/v		94	70 - 130
trans-1,3-Dichloropropene	10.0	10.3		ppb v/v		103	70 - 130
1,1,2-Trichloroethane	10.0	9.67		ppb v/v		97	70 - 130
Tetrachloroethene	10.0	10.8		ppb v/v		108	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.38		ppb v/v		84	70 - 130
Dibromochloromethane	10.0	11.7		ppb v/v		117	70 - 130
1,2-Dibromoethane	10.0	10.5		ppb v/v		105	70 - 130
Chlorobenzene	10.0	10.1		ppb v/v		101	70 - 130
Ethylbenzene	10.0	9.64		ppb v/v		96	70 - 130
m,p-Xylene	20.0	19.3		ppb v/v		97	70 - 130
Xylene, o-	10.0	9.71		ppb v/v		97	70 - 130
Styrene	10.0	10.5		ppb v/v		105	70 - 130
Bromoform	10.0	15.4	*	ppb v/v		154	70 - 130
Cumene	10.0	9.73		ppb v/v		97	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.79		ppb v/v		98	70 - 130
n-Propylbenzene	10.0	9.59		ppb v/v		96	70 - 130
4-Ethyltoluene	10.0	9.98		ppb v/v		100	70 - 130
1,3,5-Trimethylbenzene	10.0	9.64		ppb v/v		96	70 - 130
2-Chlorotoluene	10.0	9.72		ppb v/v		97	70 - 130
tert-Butylbenzene	10.0	9.97		ppb v/v		100	70 - 130
1,2,4-Trimethylbenzene	10.0	9.65		ppb v/v		97	70 - 130
sec-Butylbenzene	10.0	9.71		ppb v/v		97	70 - 130
4-Isopropyltoluene	10.0	10.1		ppb v/v		101	70 - 130
1,3-Dichlorobenzene	10.0	11.0		ppb v/v		110	70 - 130
1,4-Dichlorobenzene	10.0	10.9		ppb v/v		109	70 - 130
Benzyl chloride	10.0	10.7		ppb v/v		107	70 - 130
n-Butylbenzene	10.0	9.75		ppb v/v		98	70 - 130
1,2-Dichlorobenzene	10.0	11.0		ppb v/v		110	70 - 130
1,2,4-Trichlorobenzene	10.0	12.0		ppb v/v		120	70 - 130
Hexachlorobutadiene	10.0	12.4		ppb v/v		124	70 - 130
Naphthalene	10.0	9.21		ppb v/v		92	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	52.0		ug/m3		105	70 - 130
Freon 22	35	34.5		ug/m3		97	70 - 130
1,2-Dichlorotetrafluoroethane	70	77.7		ug/m3		111	70 - 130
Chloromethane	21	19.3		ug/m3		93	70 - 130
n-Butane	24	23.4		ug/m3		98	70 - 130
Vinyl chloride	26	23.8		ug/m3		93	70 - 130
1,3-Butadiene	22	19.9		ug/m3		90	70 - 130
Bromomethane	39	39.3		ug/m3		101	70 - 130
Chloroethane	26	25.8		ug/m3		98	70 - 130

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

Lab Sample ID: LCS 200-103964/4
Matrix: Air
Analysis Batch: 103964

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	43.4		ug/m3		99	70 - 130
Trichlorofluoromethane	56	55.5		ug/m3		99	70 - 130
Freon TF	77	77.3		ug/m3		101	70 - 130
1,1-Dichloroethene	40	38.1		ug/m3		96	70 - 130
Acetone	24	23.6		ug/m3		100	70 - 130
Isopropyl alcohol	25	20.0		ug/m3		82	70 - 130
Carbon disulfide	31	35.7		ug/m3		115	70 - 130
3-Chloropropene	31	30.7		ug/m3		98	70 - 130
Methylene Chloride	35	32.6		ug/m3		94	70 - 130
tert-Butyl alcohol	30	27.1		ug/m3		89	70 - 130
Methyl tert-butyl ether	36	35.2		ug/m3		98	70 - 130
trans-1,2-Dichloroethene	40	41.1		ug/m3		104	70 - 130
n-Hexane	35	35.9		ug/m3		102	70 - 130
1,1-Dichloroethane	40	39.1		ug/m3		97	70 - 130
Methyl Ethyl Ketone	29	26.1		ug/m3		89	70 - 130
cis-1,2-Dichloroethene	40	39.1		ug/m3		99	70 - 130
Chloroform	49	48.5		ug/m3		99	70 - 130
Tetrahydrofuran	29	28.2		ug/m3		96	70 - 130
1,1,1-Trichloroethane	55	55.8		ug/m3		102	70 - 130
Cyclohexane	34	34.0		ug/m3		99	70 - 130
Carbon tetrachloride	63	70.2		ug/m3		112	70 - 130
2,2,4-Trimethylpentane	47	43.6		ug/m3		93	70 - 130
Benzene	32	30.9		ug/m3		97	70 - 130
1,2-Dichloroethane	40	39.6		ug/m3		98	70 - 130
n-Heptane	41	36.7		ug/m3		90	70 - 130
Trichloroethene	54	52.6		ug/m3		98	70 - 130
Methyl methacrylate	41	41.4		ug/m3		101	70 - 130
1,2-Dichloropropane	46	41.8		ug/m3		90	70 - 130
1,4-Dioxane	36	33.5		ug/m3		93	70 - 130
Bromodichloromethane	67	69.4		ug/m3		104	70 - 130
cis-1,3-Dichloropropene	45	45.6		ug/m3		100	70 - 130
methyl isobutyl ketone	41	37.4		ug/m3		91	70 - 130
Toluene	38	35.4		ug/m3		94	70 - 130
trans-1,3-Dichloropropene	45	46.9		ug/m3		103	70 - 130
1,1,2-Trichloroethane	55	52.7		ug/m3		97	70 - 130
Tetrachloroethene	68	73.4		ug/m3		108	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	34.4		ug/m3		84	70 - 130
Dibromochloromethane	85	99.3		ug/m3		117	70 - 130
1,2-Dibromoethane	77	80.5		ug/m3		105	70 - 130
Chlorobenzene	46	46.6		ug/m3		101	70 - 130
Ethylbenzene	43	41.9		ug/m3		96	70 - 130
m,p-Xylene	87	83.9		ug/m3		97	70 - 130
Xylene, o-	43	42.2		ug/m3		97	70 - 130
Styrene	43	44.6		ug/m3		105	70 - 130
Bromoform	100	160	*	ug/m3		154	70 - 130
Cumene	49	47.9		ug/m3		97	70 - 130
1,1,2,2-Tetrachloroethane	69	67.2		ug/m3		98	70 - 130

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

Lab Sample ID: LCS 200-103964/4
Matrix: Air
Analysis Batch: 103964

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	47.2		ug/m3		96	70 - 130
4-Ethyltoluene	49	49.0		ug/m3		100	70 - 130
1,3,5-Trimethylbenzene	49	47.4		ug/m3		96	70 - 130
2-Chlorotoluene	52	50.3		ug/m3		97	70 - 130
tert-Butylbenzene	55	54.7		ug/m3		100	70 - 130
1,2,4-Trimethylbenzene	49	47.5		ug/m3		97	70 - 130
sec-Butylbenzene	55	53.3		ug/m3		97	70 - 130
4-Isopropyltoluene	55	55.6		ug/m3		101	70 - 130
1,3-Dichlorobenzene	60	65.8		ug/m3		110	70 - 130
1,4-Dichlorobenzene	60	65.6		ug/m3		109	70 - 130
Benzyl chloride	52	55.3		ug/m3		107	70 - 130
n-Butylbenzene	55	53.5		ug/m3		98	70 - 130
1,2-Dichlorobenzene	60	66.0		ug/m3		110	70 - 130
1,2,4-Trichlorobenzene	74	89.3		ug/m3		120	70 - 130
Hexachlorobutadiene	110	132		ug/m3		124	70 - 130
Naphthalene	52	48.3		ug/m3		92	70 - 130

Lab Sample ID: MB 200-104047/4
Matrix: Air
Analysis Batch: 104047

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			05/03/16 13:44	1
Freon 22	ND		0.50	0.057	ppb v/v			05/03/16 13:44	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			05/03/16 13:44	1
Chloromethane	ND		0.50	0.093	ppb v/v			05/03/16 13:44	1
n-Butane	ND		0.50	0.078	ppb v/v			05/03/16 13:44	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			05/03/16 13:44	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			05/03/16 13:44	1
Bromomethane	ND		0.20	0.056	ppb v/v			05/03/16 13:44	1
Chloroethane	ND		0.50	0.085	ppb v/v			05/03/16 13:44	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
Trichlorofluoromethane	ND		0.20	0.038	ppb v/v			05/03/16 13:44	1
Freon TF	ND		0.20	0.075	ppb v/v			05/03/16 13:44	1
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			05/03/16 13:44	1
Acetone	ND		5.0	0.86	ppb v/v			05/03/16 13:44	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			05/03/16 13:44	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			05/03/16 13:44	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			05/03/16 13:44	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			05/03/16 13:44	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			05/03/16 13:44	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			05/03/16 13:44	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			05/03/16 13:44	1
n-Hexane	ND		0.20	0.054	ppb v/v			05/03/16 13:44	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			05/03/16 13:44	1
Methyl Ethyl Ketone	ND		0.50	0.052	ppb v/v			05/03/16 13:44	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			05/03/16 13:44	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			05/03/16 13:44	1

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

Lab Sample ID: MB 200-104047/4
Matrix: Air
Analysis Batch: 104047

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.082	ppb v/v			05/03/16 13:44	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			05/03/16 13:44	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			05/03/16 13:44	1
Cyclohexane	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			05/03/16 13:44	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
Benzene	ND		0.20	0.042	ppb v/v			05/03/16 13:44	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			05/03/16 13:44	1
n-Heptane	ND		0.20	0.040	ppb v/v			05/03/16 13:44	1
Trichloroethene	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			05/03/16 13:44	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			05/03/16 13:44	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			05/03/16 13:44	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			05/03/16 13:44	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			05/03/16 13:44	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			05/03/16 13:44	1
Toluene	ND		0.20	0.093	ppb v/v			05/03/16 13:44	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			05/03/16 13:44	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			05/03/16 13:44	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			05/03/16 13:44	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			05/03/16 13:44	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			05/03/16 13:44	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			05/03/16 13:44	1
Xylene, o-	ND		0.20	0.037	ppb v/v			05/03/16 13:44	1
Xylene (total)	ND		0.70	0.037	ppb v/v			05/03/16 13:44	1
Styrene	ND		0.20	0.043	ppb v/v			05/03/16 13:44	1
Bromoform	ND		0.20	0.056	ppb v/v			05/03/16 13:44	1
Cumene	ND		0.20	0.030	ppb v/v			05/03/16 13:44	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			05/03/16 13:44	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			05/03/16 13:44	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			05/03/16 13:44	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			05/03/16 13:44	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			05/03/16 13:44	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			05/03/16 13:44	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			05/03/16 13:44	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			05/03/16 13:44	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			05/03/16 13:44	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			05/03/16 13:44	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			05/03/16 13:44	1
1,2,4-Trichlorobenzene	0.139	J	0.50	0.068	ppb v/v			05/03/16 13:44	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			05/03/16 13:44	1
Naphthalene	0.104	J	0.50	0.057	ppb v/v			05/03/16 13:44	1

QC Sample Results

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.40	ug/m3			05/03/16 13:44	1
Freon 22	ND		1.8	0.20	ug/m3			05/03/16 13:44	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			05/03/16 13:44	1
Chloromethane	ND		1.0	0.19	ug/m3			05/03/16 13:44	1
n-Butane	ND		1.2	0.19	ug/m3			05/03/16 13:44	1
Vinyl chloride	ND		0.51	0.082	ug/m3			05/03/16 13:44	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			05/03/16 13:44	1
Bromomethane	ND		0.78	0.22	ug/m3			05/03/16 13:44	1
Chloroethane	ND		1.3	0.22	ug/m3			05/03/16 13:44	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			05/03/16 13:44	1
Trichlorofluoromethane	ND		1.1	0.21	ug/m3			05/03/16 13:44	1
Freon TF	ND		1.5	0.57	ug/m3			05/03/16 13:44	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			05/03/16 13:44	1
Acetone	ND		12	2.0	ug/m3			05/03/16 13:44	1
Isopropyl alcohol	ND		12	2.4	ug/m3			05/03/16 13:44	1
Carbon disulfide	ND		1.6	0.13	ug/m3			05/03/16 13:44	1
3-Chloropropene	ND		1.6	0.21	ug/m3			05/03/16 13:44	1
Methylene Chloride	ND		1.7	0.63	ug/m3			05/03/16 13:44	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			05/03/16 13:44	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			05/03/16 13:44	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			05/03/16 13:44	1
n-Hexane	ND		0.70	0.19	ug/m3			05/03/16 13:44	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			05/03/16 13:44	1
Methyl Ethyl Ketone	ND		1.5	0.15	ug/m3			05/03/16 13:44	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			05/03/16 13:44	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			05/03/16 13:44	1
Chloroform	ND		0.98	0.40	ug/m3			05/03/16 13:44	1
Tetrahydrofuran	ND		15	4.1	ug/m3			05/03/16 13:44	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			05/03/16 13:44	1
Cyclohexane	ND		0.69	0.13	ug/m3			05/03/16 13:44	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			05/03/16 13:44	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			05/03/16 13:44	1
Benzene	ND		0.64	0.13	ug/m3			05/03/16 13:44	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			05/03/16 13:44	1
n-Heptane	ND		0.82	0.16	ug/m3			05/03/16 13:44	1
Trichloroethene	ND		1.1	0.21	ug/m3			05/03/16 13:44	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			05/03/16 13:44	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			05/03/16 13:44	1
1,4-Dioxane	ND		18	2.0	ug/m3			05/03/16 13:44	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			05/03/16 13:44	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			05/03/16 13:44	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			05/03/16 13:44	1
Toluene	ND		0.75	0.35	ug/m3			05/03/16 13:44	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			05/03/16 13:44	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			05/03/16 13:44	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			05/03/16 13:44	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			05/03/16 13:44	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			05/03/16 13:44	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			05/03/16 13:44	1
Chlorobenzene	ND		0.92	0.23	ug/m3			05/03/16 13:44	1
Ethylbenzene	ND		0.87	0.14	ug/m3			05/03/16 13:44	1
m,p-Xylene	ND		2.2	0.31	ug/m3			05/03/16 13:44	1
Xylene, o-	ND		0.87	0.16	ug/m3			05/03/16 13:44	1
Xylene (total)	ND		3.0	0.16	ug/m3			05/03/16 13:44	1

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

Lab Sample ID: MB 200-104047/4
Matrix: Air
Analysis Batch: 104047

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.85	0.18	ug/m3			05/03/16 13:44	1
Bromoform	ND		2.1	0.58	ug/m3			05/03/16 13:44	1
Cumene	ND		0.98	0.15	ug/m3			05/03/16 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			05/03/16 13:44	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			05/03/16 13:44	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			05/03/16 13:44	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			05/03/16 13:44	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			05/03/16 13:44	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			05/03/16 13:44	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			05/03/16 13:44	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			05/03/16 13:44	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			05/03/16 13:44	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			05/03/16 13:44	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			05/03/16 13:44	1
Benzyl chloride	ND		1.0	0.27	ug/m3			05/03/16 13:44	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			05/03/16 13:44	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			05/03/16 13:44	1
1,2,4-Trichlorobenzene	1.03	J	3.7	0.50	ug/m3			05/03/16 13:44	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			05/03/16 13:44	1
Naphthalene	0.545	J	2.6	0.30	ug/m3			05/03/16 13:44	1

Lab Sample ID: LCS 200-104047/3
Matrix: Air
Analysis Batch: 104047

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	11.3		ppb v/v		113	70 - 130
Freon 22	10.0	11.0		ppb v/v		110	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	11.9		ppb v/v		119	70 - 130
Chloromethane	10.0	10.1		ppb v/v		101	70 - 130
n-Butane	10.0	10.5		ppb v/v		105	70 - 130
Vinyl chloride	10.0	9.86		ppb v/v		99	70 - 130
1,3-Butadiene	10.0	9.69		ppb v/v		97	70 - 130
Bromomethane	10.0	10.9		ppb v/v		109	70 - 130
Chloroethane	10.0	10.5		ppb v/v		105	70 - 130
Bromoethene(Vinyl Bromide)	10.0	10.5		ppb v/v		105	70 - 130
Trichlorofluoromethane	10.0	10.7		ppb v/v		107	70 - 130
Freon TF	10.0	10.7		ppb v/v		107	70 - 130
1,1-Dichloroethene	10.0	10.3		ppb v/v		103	70 - 130
Acetone	10.0	10.6		ppb v/v		106	70 - 130
Isopropyl alcohol	10.0	9.34		ppb v/v		93	70 - 130
Carbon disulfide	10.0	12.6		ppb v/v		126	70 - 130
3-Chloropropene	10.0	10.0		ppb v/v		100	70 - 130
Methylene Chloride	10.0	10.1		ppb v/v		101	70 - 130
tert-Butyl alcohol	10.0	10.3		ppb v/v		103	70 - 130
Methyl tert-butyl ether	10.0	10.6		ppb v/v		106	70 - 130
trans-1,2-Dichloroethene	10.0	11.2		ppb v/v		113	70 - 130
n-Hexane	10.0	10.9		ppb v/v		109	70 - 130

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

Lab Sample ID: LCS 200-104047/3
Matrix: Air
Analysis Batch: 104047

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	10.0	10.1		ppb v/v		101	70 - 130
Methyl Ethyl Ketone	10.0	10.0		ppb v/v		100	70 - 130
cis-1,2-Dichloroethene	10.0	10.4		ppb v/v		104	70 - 130
Chloroform	10.0	10.6		ppb v/v		106	70 - 130
Tetrahydrofuran	10.0	10.9		ppb v/v		109	70 - 130
1,1,1-Trichloroethane	10.0	11.3		ppb v/v		113	70 - 130
Cyclohexane	10.0	11.0		ppb v/v		110	70 - 130
Carbon tetrachloride	10.0	12.0		ppb v/v		120	70 - 130
2,2,4-Trimethylpentane	10.0	10.4		ppb v/v		104	70 - 130
Benzene	10.0	10.5		ppb v/v		105	70 - 130
1,2-Dichloroethane	10.0	10.7		ppb v/v		107	70 - 130
n-Heptane	10.0	9.93		ppb v/v		99	70 - 130
Trichloroethene	10.0	10.8		ppb v/v		108	70 - 130
Methyl methacrylate	10.0	11.7		ppb v/v		117	70 - 130
1,2-Dichloropropane	10.0	9.77		ppb v/v		98	70 - 130
1,4-Dioxane	10.0	11.1		ppb v/v		111	70 - 130
Bromodichloromethane	10.0	11.3		ppb v/v		113	70 - 130
cis-1,3-Dichloropropene	10.0	10.6		ppb v/v		106	70 - 130
methyl isobutyl ketone	10.0	10.6		ppb v/v		106	70 - 130
Toluene	10.0	9.34		ppb v/v		93	70 - 130
trans-1,3-Dichloropropene	10.0	10.9		ppb v/v		109	70 - 130
1,1,2-Trichloroethane	10.0	9.76		ppb v/v		98	70 - 130
Tetrachloroethene	10.0	10.9		ppb v/v		109	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.20		ppb v/v		92	70 - 130
Dibromochloromethane	10.0	11.3		ppb v/v		113	70 - 130
1,2-Dibromoethane	10.0	10.6		ppb v/v		106	70 - 130
Chlorobenzene	10.0	10.1		ppb v/v		101	70 - 130
Ethylbenzene	10.0	9.67		ppb v/v		97	70 - 130
m,p-Xylene	20.0	19.4		ppb v/v		97	70 - 130
Xylene, o-	10.0	9.68		ppb v/v		97	70 - 130
Styrene	10.0	10.4		ppb v/v		104	70 - 130
Bromoform	10.0	13.6	*	ppb v/v		136	70 - 130
Cumene	10.0	9.90		ppb v/v		99	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.1		ppb v/v		101	70 - 130
n-Propylbenzene	10.0	9.89		ppb v/v		99	70 - 130
4-Ethyltoluene	10.0	10.4		ppb v/v		104	70 - 130
1,3,5-Trimethylbenzene	10.0	10.1		ppb v/v		101	70 - 130
2-Chlorotoluene	10.0	9.87		ppb v/v		99	70 - 130
tert-Butylbenzene	10.0	10.3		ppb v/v		103	70 - 130
1,2,4-Trimethylbenzene	10.0	10.2		ppb v/v		102	70 - 130
sec-Butylbenzene	10.0	10.2		ppb v/v		102	70 - 130
4-Isopropyltoluene	10.0	10.7		ppb v/v		108	70 - 130
1,3-Dichlorobenzene	10.0	11.1		ppb v/v		111	70 - 130
1,4-Dichlorobenzene	10.0	11.0		ppb v/v		110	70 - 130
Benzyl chloride	10.0	10.3		ppb v/v		103	70 - 130
n-Butylbenzene	10.0	10.4		ppb v/v		104	70 - 130
1,2-Dichlorobenzene	10.0	11.1		ppb v/v		111	70 - 130

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

Lab Sample ID: LCS 200-104047/3
Matrix: Air
Analysis Batch: 104047

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	11.5		ppb v/v		115	70 - 130
Hexachlorobutadiene	10.0	12.2		ppb v/v		122	70 - 130
Naphthalene	10.0	9.53		ppb v/v		95	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	55.7		ug/m3		113	70 - 130
Freon 22	35	38.9		ug/m3		110	70 - 130
1,2-Dichlorotetrafluoroethane	70	83.3		ug/m3		119	70 - 130
Chloromethane	21	20.8		ug/m3		101	70 - 130
n-Butane	24	24.9		ug/m3		105	70 - 130
Vinyl chloride	26	25.2		ug/m3		99	70 - 130
1,3-Butadiene	22	21.4		ug/m3		97	70 - 130
Bromomethane	39	42.2		ug/m3		109	70 - 130
Chloroethane	26	27.8		ug/m3		105	70 - 130
Bromoethene(Vinyl Bromide)	44	46.1		ug/m3		105	70 - 130
Trichlorofluoromethane	56	60.2		ug/m3		107	70 - 130
Freon TF	77	82.1		ug/m3		107	70 - 130
1,1-Dichloroethene	40	40.9		ug/m3		103	70 - 130
Acetone	24	25.2		ug/m3		106	70 - 130
Isopropyl alcohol	25	23.0		ug/m3		93	70 - 130
Carbon disulfide	31	39.3		ug/m3		126	70 - 130
3-Chloropropene	31	31.4		ug/m3		100	70 - 130
Methylene Chloride	35	35.0		ug/m3		101	70 - 130
tert-Butyl alcohol	30	31.2		ug/m3		103	70 - 130
Methyl tert-butyl ether	36	38.3		ug/m3		106	70 - 130
trans-1,2-Dichloroethene	40	44.6		ug/m3		113	70 - 130
n-Hexane	35	38.5		ug/m3		109	70 - 130
1,1-Dichloroethane	40	40.9		ug/m3		101	70 - 130
Methyl Ethyl Ketone	29	29.5		ug/m3		100	70 - 130
cis-1,2-Dichloroethene	40	41.4		ug/m3		104	70 - 130
Chloroform	49	51.6		ug/m3		106	70 - 130
Tetrahydrofuran	29	32.2		ug/m3		109	70 - 130
1,1,1-Trichloroethane	55	61.5		ug/m3		113	70 - 130
Cyclohexane	34	37.8		ug/m3		110	70 - 130
Carbon tetrachloride	63	75.5		ug/m3		120	70 - 130
2,2,4-Trimethylpentane	47	48.4		ug/m3		104	70 - 130
Benzene	32	33.6		ug/m3		105	70 - 130
1,2-Dichloroethane	40	43.3		ug/m3		107	70 - 130
n-Heptane	41	40.7		ug/m3		99	70 - 130
Trichloroethene	54	58.1		ug/m3		108	70 - 130
Methyl methacrylate	41	47.8		ug/m3		117	70 - 130
1,2-Dichloropropane	46	45.2		ug/m3		98	70 - 130
1,4-Dioxane	36	40.1		ug/m3		111	70 - 130
Bromodichloromethane	67	75.5		ug/m3		113	70 - 130
cis-1,3-Dichloropropene	45	48.2		ug/m3		106	70 - 130
methyl isobutyl ketone	41	43.5		ug/m3		106	70 - 130
Toluene	38	35.2		ug/m3		93	70 - 130
trans-1,3-Dichloropropene	45	49.4		ug/m3		109	70 - 130

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

Lab Sample ID: LCS 200-104047/3
Matrix: Air
Analysis Batch: 104047

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	55	53.3		ug/m3		98	70 - 130
Tetrachloroethene	68	74.1		ug/m3		109	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	37.7		ug/m3		92	70 - 130
Dibromochloromethane	85	96.0		ug/m3		113	70 - 130
1,2-Dibromoethane	77	81.2		ug/m3		106	70 - 130
Chlorobenzene	46	46.7		ug/m3		101	70 - 130
Ethylbenzene	43	42.0		ug/m3		97	70 - 130
m,p-Xylene	87	84.4		ug/m3		97	70 - 130
Xylene, o-	43	42.1		ug/m3		97	70 - 130
Styrene	43	44.4		ug/m3		104	70 - 130
Bromoform	100	140	*	ug/m3		136	70 - 130
Cumene	49	48.7		ug/m3		99	70 - 130
1,1,2,2-Tetrachloroethane	69	69.3		ug/m3		101	70 - 130
n-Propylbenzene	49	48.6		ug/m3		99	70 - 130
4-Ethyltoluene	49	51.2		ug/m3		104	70 - 130
1,3,5-Trimethylbenzene	49	49.6		ug/m3		101	70 - 130
2-Chlorotoluene	52	51.1		ug/m3		99	70 - 130
tert-Butylbenzene	55	56.7		ug/m3		103	70 - 130
1,2,4-Trimethylbenzene	49	50.0		ug/m3		102	70 - 130
sec-Butylbenzene	55	56.0		ug/m3		102	70 - 130
4-Isopropyltoluene	55	59.0		ug/m3		108	70 - 130
1,3-Dichlorobenzene	60	66.6		ug/m3		111	70 - 130
1,4-Dichlorobenzene	60	65.9		ug/m3		110	70 - 130
Benzyl chloride	52	53.5		ug/m3		103	70 - 130
n-Butylbenzene	55	57.2		ug/m3		104	70 - 130
1,2-Dichlorobenzene	60	66.9		ug/m3		111	70 - 130
1,2,4-Trichlorobenzene	74	85.2		ug/m3		115	70 - 130
Hexachlorobutadiene	110	130		ug/m3		122	70 - 130
Naphthalene	52	50.0		ug/m3		95	70 - 130

Lab Sample ID: 200-33270-1 DU
Matrix: Air
Analysis Batch: 104047

Client Sample ID: SS4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	ND		ND		ppb v/v		NC	25
Freon 22	0.55	J	0.472	J	ppb v/v		16	25
1,2-Dichlorotetrafluoroethane	ND		ND		ppb v/v		NC	25
Chloromethane	ND		ND		ppb v/v		NC	25
n-Butane	1.5	J	1.40	J	ppb v/v		8	25
Vinyl chloride	ND		ND		ppb v/v		NC	25
1,3-Butadiene	ND		ND		ppb v/v		NC	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	ND		ND		ppb v/v		NC	25
Freon TF	ND		ND		ppb v/v		NC	25
1,1-Dichloroethene	ND		ND		ppb v/v		NC	25

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

Lab Sample ID: 200-33270-1 DU
Matrix: Air
Analysis Batch: 104047

Client Sample ID: SS4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acetone	240			217		ppb v/v				11	25
Isopropyl alcohol	28	J		25.9	J	ppb v/v				9	25
Carbon disulfide	11			10.7		ppb v/v				5	25
3-Chloropropene	ND			ND		ppb v/v				NC	25
Methylene Chloride	ND			ND		ppb v/v				NC	25
tert-Butyl alcohol	7.9	J		7.31	J	ppb v/v				8	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	1.5	J		1.38	J	ppb v/v				11	25
1,1-Dichloroethane	0.83	J		0.796	J	ppb v/v				5	25
Methyl Ethyl Ketone	16			14.1		ppb v/v				16	25
cis-1,2-Dichloroethene	3.0			2.66		ppb v/v				13	25
1,2-Dichloroethene, Total	3.0	J		2.66	J	ppb v/v				12	25
Chloroform	1.1	J		1.03	J	ppb v/v				9	25
Tetrahydrofuran	ND			ND		ppb v/v				NC	25
1,1,1-Trichloroethane	16			15.2		ppb v/v				4	25
Cyclohexane	ND			ND		ppb v/v				NC	25
Carbon tetrachloride	ND			ND		ppb v/v				NC	25
2,2,4-Trimethylpentane	ND			ND		ppb v/v				NC	25
Benzene	0.43	J		0.425	J	ppb v/v				1	25
1,2-Dichloroethane	ND			ND		ppb v/v				NC	25
n-Heptane	ND			ND		ppb v/v				NC	25
Trichloroethene	130			128		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	64			60.0		ppb v/v				7	25
Bromodichloromethane	ND			ND		ppb v/v				NC	25
cis-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
methyl isobutyl ketone	1.5	J		1.40	J	ppb v/v				7	25
Toluene	6.3			6.09		ppb v/v				3	25
trans-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
1,1,2-Trichloroethane	ND			ND		ppb v/v				NC	25
Tetrachloroethene	3.2			3.08		ppb v/v				3	25
Methyl Butyl Ketone (2-Hexanone)	1.9	J		1.73	J	ppb v/v				8	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	J		1.45	J	ppb v/v				6	25
m,p-Xylene	5.9			5.56		ppb v/v				6	25
Xylene, o-	1.9			1.75		ppb v/v				9	25
Xylene (total)	7.8			7.31		ppb v/v				6	25
Styrene	0.50	J		0.495	J	ppb v/v				0.7	25
Bromoform	ND	*		ND	*	ppb v/v				NC	25
Cumene	ND			ND		ppb v/v				NC	25
1,1,2,2-Tetrachloroethane	ND			ND		ppb v/v				NC	25
n-Propylbenzene	0.36	J		0.360	J	ppb v/v				0.7	25
4-Ethyltoluene	0.60	J		0.576	J	ppb v/v				5	25

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

Lab Sample ID: 200-33270-1 DU
Matrix: Air
Analysis Batch: 104047

Client Sample ID: SS4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,3,5-Trimethylbenzene	0.50	J		0.442	J	ppb v/v				12	25
2-Chlorotoluene	ND			ND		ppb v/v				NC	25
tert-Butylbenzene	ND			ND		ppb v/v				NC	25
1,2,4-Trimethylbenzene	2.4			2.23		ppb v/v				8	25
sec-Butylbenzene	ND			ND		ppb v/v				NC	25
4-Isopropyltoluene	0.97	J		0.839	J	ppb v/v				14	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	ND			ND		ppb v/v				NC	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
Naphthalene	ND			ND		ppb v/v				NC	25

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND			ND		ug/m3				NC	25
Freon 22	2.0	J		1.67	J	ug/m3				16	25
1,2-Dichlorotetrafluoroethane	ND			ND		ug/m3				NC	25
Chloromethane	ND			ND		ug/m3				NC	25
n-Butane	3.6	J		3.32	J	ug/m3				8	25
Vinyl chloride	ND			ND		ug/m3				NC	25
1,3-Butadiene	ND			ND		ug/m3				NC	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	ND			ND		ug/m3				NC	25
Freon TF	ND			ND		ug/m3				NC	25
1,1-Dichloroethene	ND			ND		ug/m3				NC	25
Acetone	580			516		ug/m3				11	25
Isopropyl alcohol	69	J		63.7	J	ug/m3				9	25
Carbon disulfide	35			33.2		ug/m3				5	25
3-Chloropropene	ND			ND		ug/m3				NC	25
Methylene Chloride	ND			ND		ug/m3				NC	25
tert-Butyl alcohol	24	J		22.2	J	ug/m3				8	25
Methyl tert-butyl ether	ND			ND		ug/m3				NC	25
trans-1,2-Dichloroethene	ND			ND		ug/m3				NC	25
n-Hexane	5.4	J		4.85	J	ug/m3				11	25
1,1-Dichloroethane	3.4	J		3.22	J	ug/m3				5	25
Methyl Ethyl Ketone	49			41.4		ug/m3				16	25
cis-1,2-Dichloroethene	12			10.6		ug/m3				13	25
1,2-Dichloroethene, Total	12	J		10.5	J	ug/m3				12	25
Chloroform	5.5	J		5.05	J	ug/m3				9	25
Tetrahydrofuran	ND			ND		ug/m3				NC	25
1,1,1-Trichloroethane	86			83.1		ug/m3				4	25
Cyclohexane	ND			ND		ug/m3				NC	25
Carbon tetrachloride	ND			ND		ug/m3				NC	25
2,2,4-Trimethylpentane	ND			ND		ug/m3				NC	25

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

Lab Sample ID: 200-33270-1 DU
Matrix: Air
Analysis Batch: 104047

Client Sample ID: SS4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	1.4	J		1.36	J	ug/m3				1	25
1,2-Dichloroethane	ND			ND		ug/m3				NC	25
n-Heptane	ND			ND		ug/m3				NC	25
Trichloroethene	710			688		ug/m3				3	25
Methyl methacrylate	ND			ND		ug/m3				NC	25
1,2-Dichloropropane	ND			ND		ug/m3				NC	25
1,4-Dioxane	230			216		ug/m3				7	25
Bromodichloromethane	ND			ND		ug/m3				NC	25
cis-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
methyl isobutyl ketone	6.2	J		5.73	J	ug/m3				7	25
Toluene	24			23.0		ug/m3				3	25
trans-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
1,1,2-Trichloroethane	ND			ND		ug/m3				NC	25
Tetrachloroethene	21			20.9		ug/m3				3	25
Methyl Butyl Ketone (2-Hexanone)	7.7	J		7.08	J	ug/m3				8	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	6.7	J		6.31	J	ug/m3				6	25
m,p-Xylene	26			24.1		ug/m3				6	25
Xylene, o-	8.3			7.61		ug/m3				9	25
Xylene (total)	34			31.7		ug/m3				6	25
Styrene	2.1	J		2.11	J	ug/m3				0.7	25
Bromoform	ND	*		ND	*	ug/m3				NC	25
Cumene	ND			ND		ug/m3				NC	25
1,1,2,2-Tetrachloroethane	ND			ND		ug/m3				NC	25
n-Propylbenzene	1.8	J		1.77	J	ug/m3				0.7	25
4-Ethyltoluene	3.0	J		2.83	J	ug/m3				5	25
1,3,5-Trimethylbenzene	2.4	J		2.18	J	ug/m3				12	25
2-Chlorotoluene	ND			ND		ug/m3				NC	25
tert-Butylbenzene	ND			ND		ug/m3				NC	25
1,2,4-Trimethylbenzene	12			11.0		ug/m3				8	25
sec-Butylbenzene	ND			ND		ug/m3				NC	25
4-Isopropyltoluene	5.3	J		4.61	J	ug/m3				14	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	ND			ND		ug/m3				NC	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	ND			ND		ug/m3				NC	25

QC Association Summary

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Air - GC/MS VOA

Analysis Batch: 103964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-33270-3	SS2	Total/NA	Air	TO-15	
LCS 200-103964/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-103964/5	Method Blank	Total/NA	Air	TO-15	

Analysis Batch: 104047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-33270-1	SS4	Total/NA	Air	TO-15	
200-33270-1 DU	SS4	Total/NA	Air	TO-15	
200-33270-2	SS3	Total/NA	Air	TO-15	
200-33270-4	SS1	Total/NA	Air	TO-15	
LCS 200-104047/3	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-104047/4	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

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

TestAmerica Job ID: 200-33270-1
SDG: 200-33270-1

Client Sample ID: SS4 — Lab Sample ID: 200-33270-1

Date Collected: 04/27/16 12:05 — **Matrix: Air**
Date Received: 04/28/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		8	104047	05/03/16 17:08	GGG	TAL BUR

Client Sample ID: SS3 — Lab Sample ID: 200-33270-2

Date Collected: 04/27/16 12:30 — **Matrix: Air**
Date Received: 04/28/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		8	104047	05/03/16 15:26	GGG	TAL BUR

Client Sample ID: SS2 — Lab Sample ID: 200-33270-3

Date Collected: 04/27/16 12:40 — **Matrix: Air**
Date Received: 04/28/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		202	103964	05/03/16 03:31	GGG	TAL BUR

Client Sample ID: SS1 — Lab Sample ID: 200-33270-4

Date Collected: 04/27/16 12:55 — **Matrix: Air**
Date Received: 04/28/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		98100	104047	05/03/16 16:17	GGG	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: 200-33270-1
SDG: 200-33270-1

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	02-02-17
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	04-01-17 *
Pennsylvania	NELAP	3	68-00489	04-30-17
Rhode Island	State Program	1	LAO00298	12-30-16
US Fish & Wildlife	Federal		LE-058448-0	10-31-16
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: 200-33270-1
SDG: 200-33270-1

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: 200-33270-1
SDG: 200-33270-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-33270-1	SS4	Air	04/27/16 12:05	04/28/16 09:50
200-33270-2	SS3	Air	04/27/16 12:30	04/28/16 09:50
200-33270-3	SS2	Air	04/27/16 12:40	04/28/16 09:50
200-33270-4	SS1	Air	04/27/16 12:55	04/28/16 09:50

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:** ROBLIN	1 of 1 COCs
Company: CORRERI	Phone: 9725230487		
Address: 4609 CINDERSTICK	Email: CORRERICVERIZON.NET		
City/State/Zip CARLLAND TX 75043			
Phone: 9725230487	Site Contact: ROBLIN		
FAX: 9725230487	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)
SS4	4/27	1015	1215	-29	-1	4996	2972	✓									✓		
SS3	↓	1025	1230	-30	-7	2835	3157	✓									✓		
SS2	↓	1035	1240	-30	-7	4991	3213	✓									✓		
SS1	4/27	1045	1255	-30	-5	3781	5707	✓									✓		

Temperature (Fahrenheit)	Interior	Ambient
Start	83	83
Stop	89	90

Pressure (inches of Hg)	Interior	Ambient
Start	29.9	29.9
Stop	29.9	29.9

200-33270 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: ROBLIN	Date/Time: 4-27-16 / 1500	Samples Received by: FEDEX 6740 5523 5314
Samples Relinquished by:	Date/Time:	Received by: 4/28/16 0950
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

ORIGIN ID:BTVA (972) 523-0487
RAY ROBLIN / CORR ERI
S&R PACKING AND CRATING
602 SUNNYVALE DRIVE

WILMINGTON, NC 28412
UNITED STATES US

SHIP DATE: 22APR16
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2912

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
RMA: S200-16133

REF: S200-16133

FedEx Express

FedEx
TRK# 0221 6740 5523 5314

THU - 28 APR 10:30A
PRIORITY OVERNIGHT

NC BTVA

05403
VT-US BTV

#264808 04/27

Login Sample Receipt Checklist

Client: CORR Environmental Resources Inc

Job Number: 200-33270-1
SDG Number: 200-33270-1

Login Number: 33270
List Number: 1
Creator: Lavigne III, Scott M

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	780181
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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

200-32998-A-7
4092
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 4/13/2016 12:00 AM 200-919128

Loc: 200
32998
#7
A

Pre-Shipment Clean Canister Certification Repor

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Oven 3/4		32	4/13/16	MS	6L	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3213		-30.0	-30.0	0
2	4907		-30.0		0
3	5688		-30.0		0
4	7972		-30.0		0
5	3137		-30.0		0
6	4792		-30.0		0
7	4092	-30.1	-30.0		0
8	4779		-30.0		0
9	4365		-30.0		0
10	5638		-30.0		0
11	3038		-30.0		0
12	5704		-30.0		0

Initial Reading	Final Reading
Gauge ID: 619	Gauge ID: 619
Date: 4/14/16	Date: 4/18/16
Time: 1415	Time: 1310
Tech: MS	Tech: [illegible]
BP: 30.1 ("Hg)	BP: 30.0 ("Hg)
Temp 21 (℃)	Temp: 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
4092	4/15/16	19411	PAD		X				4/15/16	AWL

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.: 200-32998-1
SDG No.:
Client Sample ID: 4092
Lab Sample ID: 200-32998-7
Matrix: Air
Lab File ID: 19411_25.D
Analysis Method: TO-15
Date Collected: 04/13/2016 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/15/2016 07:43
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.: 103194
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.: 200-32998-1
SDG No.:
Client Sample ID: 4092
Lab Sample ID: 200-32998-7
Matrix: Air
Lab File ID: 19411_25.D
Analysis Method: TO-15
Date Collected: 04/13/2016 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/15/2016 07:43
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.: 103194
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.: 200-32998-1

SDG No.:

Client Sample ID: 4092 Lab Sample ID: 200-32998-7

Matrix: Air Lab File ID: 19411_25.D

Analysis Method: TO-15 Date Collected: 04/13/2016 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/15/2016 07:43

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.: 103194 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\CHB.i\20160414-19411.b\19411_25.D
Lims ID: 200-32998-A-7 Lab Sample ID: 200-32998-7
Client ID: 4092
Sample Type: Client
Inject. Date: 15-Apr-2016 07:43:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 0.2000
Sample Info: 200-0019411-025
Misc. Info.: 32998-07
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20160414-19411.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 15-Apr-2016 11:19:09 Calib Date: 17-Mar-2016 01:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20160316-18805.b\18805_12.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: daiglep Date: 15-Apr-2016 11:11:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.049				ND	
2 Dichlorodifluoromethane	85		3.108				ND	
3 Chlorodifluoromethane	51		3.145				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.332				ND	
5 Chloromethane	50		3.454				ND	
6 Butane	43		3.631				ND	
7 Vinyl chloride	62		3.668				ND	
8 Butadiene	54		3.737				ND	
10 Bromomethane	94		4.404				ND	
11 Chloroethane	64		4.639				ND	
13 Vinyl bromide	106		5.061				ND	
14 Trichlorofluoromethane	101		5.162				ND	
16 Ethanol	45		5.648				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.219				ND	
20 1,1-Dichloroethene	96		6.288				ND	
21 Acetone	43		6.459				ND	
22 Isopropyl alcohol	45		6.683				ND	
23 Carbon disulfide	76		6.726				ND	
24 3-Chloro-1-propene	41		7.014				ND	
27 Methylene Chloride	49		7.281				ND	
28 2-Methyl-2-propanol	59		7.404				ND	
29 Methyl tert-butyl ether	73		7.628				ND	
30 trans-1,2-Dichloroethene	61		7.692				ND	
32 Hexane	57		8.023				ND	
33 1,1-Dichloroethane	63		8.450				ND	
34 Vinyl acetate	43		8.460				ND	
36 2-Butanone (MEK)	72		9.362				ND	
37 cis-1,2-Dichloroethene	96		9.368				ND	
35 Ethyl acetate	88		9.373				ND	
* 39 Chlorobromomethane	128	9.741	9.741	0.000	80	161901	10.0	
38 Tetrahydrofuran	42		9.752				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Chloroform	83		9.816				ND	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.072				ND	
43 Cyclohexane	84		10.083				ND	
44 Carbon tetrachloride	117		10.280				ND	
45 Isooctane	57		10.563				ND	
46 Benzene	78		10.611				ND	
47 1,2-Dichloroethane	62		10.718				ND	
48 n-Heptane	43		10.814				ND	
* 50 1,4-Difluorobenzene	114	11.156	11.161	-0.005	93	779919	10.0	
53 Trichloroethene	95		11.529				ND	
54 1,2-Dichloropropane	63		11.908				ND	
55 Methyl methacrylate	69		11.945				ND	
56 1,4-Dioxane	88		12.036				ND	
57 Dibromomethane	174		12.095				ND	
58 Dichlorobromomethane	83		12.271				ND	
60 cis-1,3-Dichloropropene	75		12.901				ND	
61 4-Methyl-2-pentanone (MIBK	43		13.050				ND	
64 Toluene	92		13.328				ND	
66 trans-1,3-Dichloropropene	75		13.696				ND	
67 1,1,2-Trichloroethane	83		13.968				ND	
68 Tetrachloroethene	166		14.102				ND	
69 2-Hexanone	43		14.230				ND	
70 Chlorodibromomethane	129		14.523				ND	
71 Ethylene Dibromide	107		14.726				ND	
* 72 Chlorobenzene-d5	117	15.281	15.281	0.000	84	656544	10.0	
73 Chlorobenzene	112		15.318				ND	
74 Ethylbenzene	91		15.388				ND	
76 m-Xylene & p-Xylene	106		15.532				ND	
S 77 Xylenes, Total	106		16.000				ND	
78 o-Xylene	106		16.044				ND	
79 Styrene	104		16.071				ND	
80 Bromoform	173		16.364				ND	
81 Isopropylbenzene	105		16.455				ND	
83 1,1,2,2-Tetrachloroethane	83		16.866				ND	
84 N-Propylbenzene	91		16.930				ND	
87 4-Ethyltoluene	105		17.058				ND	
88 2-Chlorotoluene	91		17.101				ND	
89 1,3,5-Trimethylbenzene	105		17.122				ND	
91 tert-Butylbenzene	119		17.501				ND	
92 1,2,4-Trimethylbenzene	105		17.571				ND	
93 sec-Butylbenzene	105		17.757				ND	
94 4-Isopropyltoluene	119		17.912				ND	
95 1,3-Dichlorobenzene	146		17.992				ND	
96 1,4-Dichlorobenzene	146		18.104				ND	
97 Benzyl chloride	91		18.259				ND	
99 n-Butylbenzene	91		18.424				ND	
100 1,2-Dichlorobenzene	146		18.595				ND	
103 1,2,4-Trichlorobenzene	180		20.986				ND	
104 Hexachlorobutadiene	225		21.146				ND	
105 Naphthalene	128		21.477				ND	

Reagents:

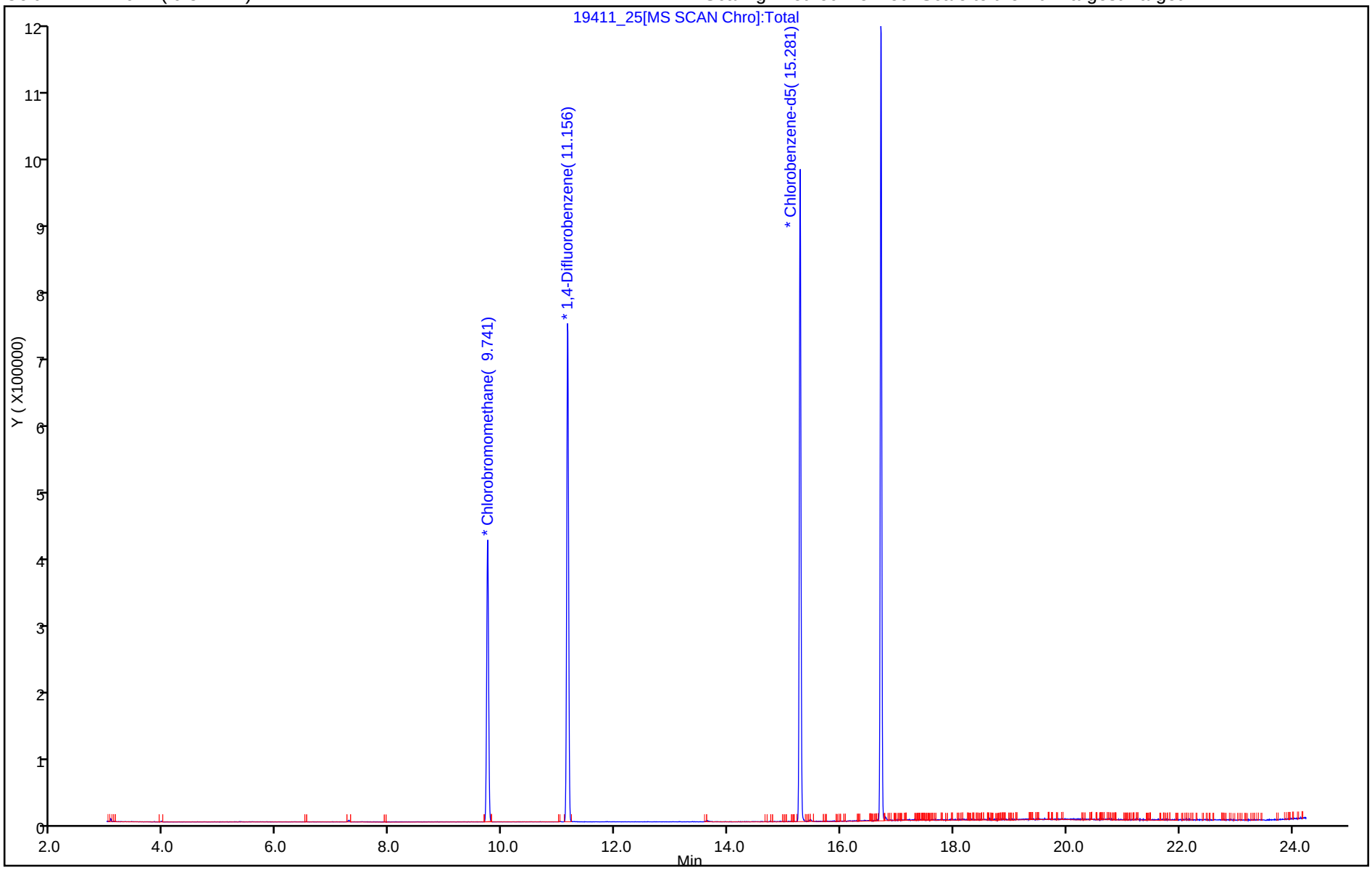
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 15-Apr-2016 11:20:43 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20160414-19411.b\19411_25.D				
Injection Date:	15-Apr-2016 07:43:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-32998-A-7	Lab Sample ID:	200-32998-7	Worklist Smp#:	25
Client ID:	4092				
Purge Vol:	5.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	24
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 200-32860-1
TestAmerica Sample Delivery Group: 200-32860-1
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:
4/12/2016 2:12:39 PM

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

LINKS

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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.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
*	LCS or LCSD is outside acceptance limits.
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: 200-32860-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: CORR Environmental Resources Inc

Project: S&R Packing and Crating

Report Number: 200-32860-1

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 04/05/2016; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples HC-1A, HC-2A, HC-3A, HC-4A, HC-5A, HC-6A, HC-7A and HC-8A were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/07/2016 and 04/08/2016.

1,2,4-Trichlorobenzene and Naphthalene were detected in method blank MB 200-102871/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Naphthalene failed the recovery criteria low for LCS 200-102871/3. Refer to the QC report for details.

Several analytes exceeded the RPD limit for the duplicate of sample HC-1ADU. Refer to the QC report for details.

Samples HC-2A[3.03X], HC-3A[2.5X] and HC-4A[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional 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: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-1A — Lab Sample ID: 200-32860-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.16	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	0.14	J	0.50	0.078	ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.22		0.20	0.032	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	0.22		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	2.9	J	5.0	0.86	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.20	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.12	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.35	J	0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.5		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.5		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.28		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.082	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.49		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Toluene	0.096	J	0.20	0.093	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.054	J	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	2.1	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	0.56	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	0.33	J	1.2	0.19	ug/m3	1		TO-15	Total/NA
Vinyl chloride	0.57		0.51	0.082	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.89		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	6.8	J	12	2.0	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.61	J	1.6	0.13	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.47	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.0	J	1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	10		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	9.9		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.5		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.52	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.6		1.1	0.21	ug/m3	1		TO-15	Total/NA
Toluene	0.36	J	0.75	0.35	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.30	J	1.1	0.20	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-2A — Lab Sample ID: 200-32860-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.51		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	0.71		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	4.7		0.50	0.078	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	0.24		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	72	E	5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	6.5		5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.1		0.50	0.043	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-2A (Continued) — Lab Sample ID: 200-32860-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.30	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.4	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.41		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.13	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.6		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.64		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.64		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	2.2		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.12	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.080	J	0.20	0.032	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	1.3		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.9		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.23	J	0.50	0.040	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.85	J	5.0	0.56	ppb v/v	1		TO-15	Total/NA
Toluene	4.1		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.24		0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.67		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.22		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.89		0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.19	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.067	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.3		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	1.6		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.56	J	1.5	0.24	ppb v/v	3.03		TO-15	Total/NA
Freon 22 - DL	0.35	J	1.5	0.17	ppb v/v	3.03		TO-15	Total/NA
Chloromethane - DL	0.82	J	1.5	0.28	ppb v/v	3.03		TO-15	Total/NA
Trichlorofluoromethane - DL	0.22	J	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
1,1-Dichloroethene - DL	0.17	J	0.61	0.11	ppb v/v	3.03		TO-15	Total/NA
Acetone - DL	98		15	2.6	ppb v/v	3.03		TO-15	Total/NA
Isopropyl alcohol - DL	8.9	J	15	3.0	ppb v/v	3.03		TO-15	Total/NA
Carbon disulfide - DL	1.5		1.5	0.13	ppb v/v	3.03		TO-15	Total/NA
Methylene Chloride - DL	0.63	J	1.5	0.55	ppb v/v	3.03		TO-15	Total/NA
n-Hexane - DL	0.70		0.61	0.16	ppb v/v	3.03		TO-15	Total/NA
1,1-Dichloroethane - DL	0.19	J	0.61	0.076	ppb v/v	3.03		TO-15	Total/NA
Methyl Ethyl Ketone - DL	1.8		1.5	0.16	ppb v/v	3.03		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	0.74		0.61	0.11	ppb v/v	3.03		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	0.74	J	1.2	0.11	ppb v/v	3.03		TO-15	Total/NA
1,1,1-Trichloroethane - DL	1.9		0.61	0.14	ppb v/v	3.03		TO-15	Total/NA
Cyclohexane - DL	0.18	J	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
Benzene - DL	0.21	J	0.61	0.13	ppb v/v	3.03		TO-15	Total/NA
n-Heptane - DL	1.8		0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
Trichloroethene - DL	1.7		0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
Toluene - DL	4.1		0.61	0.28	ppb v/v	3.03		TO-15	Total/NA
Ethylbenzene - DL	0.23	J	0.61	0.10	ppb v/v	3.03		TO-15	Total/NA
m,p-Xylene - DL	0.57	J	1.5	0.22	ppb v/v	3.03		TO-15	Total/NA
Xylene, o- - DL	0.20	J	0.61	0.11	ppb v/v	3.03		TO-15	Total/NA
Xylene (total) - DL	0.77	J	2.1	0.11	ppb v/v	3.03		TO-15	Total/NA
Styrene - DL	0.13	J	0.61	0.13	ppb v/v	3.03		TO-15	Total/NA
4-Isopropyltoluene - DL	0.99		0.61	0.11	ppb v/v	3.03		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: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-2A (Continued) — Lab Sample ID: 200-32860-2

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	0.83	J	1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.5		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	11		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.94		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	170	E	12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	16		12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.6		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.0	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	4.4	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.4		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.52	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.7		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.5		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.5		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	12		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.41	J	0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.50	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.55	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	5.3		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	9.9		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.95	J	2.0	0.16	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	3.1	J	18	2.0	ug/m3	1		TO-15	Total/NA
Toluene	15		0.75	0.35	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.1		0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.9		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.97		0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	3.9		3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.82	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.33	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.5		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	8.8		1.1	0.20	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.8	J	7.5	1.2	ug/m3	3.03		TO-15	Total/NA
Freon 22 - DL	1.3	J	5.4	0.61	ug/m3	3.03		TO-15	Total/NA
Chloromethane - DL	1.7	J	3.1	0.58	ug/m3	3.03		TO-15	Total/NA
Trichlorofluoromethane - DL	1.3	J	3.4	0.65	ug/m3	3.03		TO-15	Total/NA
1,1-Dichloroethene - DL	0.66	J	2.4	0.43	ug/m3	3.03		TO-15	Total/NA
Acetone - DL	230		36	6.2	ug/m3	3.03		TO-15	Total/NA
Isopropyl alcohol - DL	22	J	37	7.3	ug/m3	3.03		TO-15	Total/NA
Carbon disulfide - DL	4.8		4.7	0.41	ug/m3	3.03		TO-15	Total/NA
Methylene Chloride - DL	2.2	J	5.3	1.9	ug/m3	3.03		TO-15	Total/NA
n-Hexane - DL	2.5		2.1	0.58	ug/m3	3.03		TO-15	Total/NA
1,1-Dichloroethane - DL	0.77	J	2.5	0.31	ug/m3	3.03		TO-15	Total/NA
Methyl Ethyl Ketone - DL	5.2		4.5	0.46	ug/m3	3.03		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	2.9		2.4	0.42	ug/m3	3.03		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	2.9	J	4.8	0.42	ug/m3	3.03		TO-15	Total/NA
1,1,1-Trichloroethane - DL	11		3.3	0.76	ug/m3	3.03		TO-15	Total/NA
Cyclohexane - DL	0.61	J	2.1	0.41	ug/m3	3.03		TO-15	Total/NA
Benzene - DL	0.68	J	1.9	0.41	ug/m3	3.03		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: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-2A (Continued) — Lab Sample ID: 200-32860-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane - DL	7.3		2.5	0.50	ug/m3	3.03		TO-15	Total/NA
Trichloroethene - DL	9.0		3.3	0.64	ug/m3	3.03		TO-15	Total/NA
Toluene - DL	16		2.3	1.1	ug/m3	3.03		TO-15	Total/NA
Ethylbenzene - DL	1.0	J	2.6	0.43	ug/m3	3.03		TO-15	Total/NA
m,p-Xylene - DL	2.5	J	6.6	0.93	ug/m3	3.03		TO-15	Total/NA
Xylene, o- - DL	0.87	J	2.6	0.49	ug/m3	3.03		TO-15	Total/NA
Xylene (total) - DL	3.3	J	9.2	0.49	ug/m3	3.03		TO-15	Total/NA
Styrene - DL	0.56	J	2.6	0.55	ug/m3	3.03		TO-15	Total/NA
4-Isopropyltoluene - DL	5.4		3.3	0.62	ug/m3	3.03		TO-15	Total/NA

Client Sample ID: HC-3A — Lab Sample ID: 200-32860-3

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	0.40	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.62		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	3.6		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.19	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	58	E	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	1.7		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
tert-Butyl alcohol	2.0	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.37		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.12	J	0.20	0.025	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
cis-1,2-Dichloroethene	0.59		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.59		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.8		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.12	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.092	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.059	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.19	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	1.0		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.6		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.80		0.50	0.040	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.13	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	3.7		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
Methyl Butyl Ketone (2-Hexanone)	0.24	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.34		0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.61		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.25		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.86		0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.24		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.066	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.3		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	1.3		0.20	0.037	ppb v/v	1		TO-15	Total/NA
1,2,4-Trichlorobenzene	0.10	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-3A (Continued) — Lab Sample ID: 200-32860-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hexachlorobutadiene	0.14	J	0.20	0.082	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.14	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.50	J	1.3	0.20	ppb v/v	2.5		TO-15	Total/NA
Freon 22 - DL	0.56	J	1.3	0.14	ppb v/v	2.5		TO-15	Total/NA
Chloromethane - DL	0.76	J	1.3	0.23	ppb v/v	2.5		TO-15	Total/NA
n-Butane - DL	4.4		1.3	0.20	ppb v/v	2.5		TO-15	Total/NA
Trichlorofluoromethane - DL	0.23	J	0.50	0.095	ppb v/v	2.5		TO-15	Total/NA
1,1-Dichloroethene - DL	0.24	J	0.50	0.090	ppb v/v	2.5		TO-15	Total/NA
Acetone - DL	77		13	2.2	ppb v/v	2.5		TO-15	Total/NA
Isopropyl alcohol - DL	15		13	2.5	ppb v/v	2.5		TO-15	Total/NA
Carbon disulfide - DL	2.2		1.3	0.11	ppb v/v	2.5		TO-15	Total/NA
Methylene Chloride - DL	0.51	J	1.3	0.45	ppb v/v	2.5		TO-15	Total/NA
n-Hexane - DL	0.54		0.50	0.14	ppb v/v	2.5		TO-15	Total/NA
1,1-Dichloroethane - DL	0.14	J	0.50	0.063	ppb v/v	2.5		TO-15	Total/NA
Methyl Ethyl Ketone - DL	1.1	J	1.3	0.13	ppb v/v	2.5		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	0.67		0.50	0.088	ppb v/v	2.5		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	0.67	J	1.0	0.088	ppb v/v	2.5		TO-15	Total/NA
1,1,1-Trichloroethane - DL	1.5		0.50	0.12	ppb v/v	2.5		TO-15	Total/NA
Benzene - DL	0.20	J	0.50	0.11	ppb v/v	2.5		TO-15	Total/NA
n-Heptane - DL	1.1		0.50	0.10	ppb v/v	2.5		TO-15	Total/NA
Trichloroethene - DL	1.3		0.50	0.098	ppb v/v	2.5		TO-15	Total/NA
Methyl methacrylate - DL	0.66	J	1.3	0.10	ppb v/v	2.5		TO-15	Total/NA
Toluene - DL	3.3		0.50	0.23	ppb v/v	2.5		TO-15	Total/NA
Ethylbenzene - DL	0.27	J	0.50	0.083	ppb v/v	2.5		TO-15	Total/NA
m,p-Xylene - DL	0.52	J	1.3	0.18	ppb v/v	2.5		TO-15	Total/NA
Xylene, o- - DL	0.20	J	0.50	0.093	ppb v/v	2.5		TO-15	Total/NA
Xylene (total) - DL	0.72	J	1.8	0.093	ppb v/v	2.5		TO-15	Total/NA
Styrene - DL	0.13	J	0.50	0.11	ppb v/v	2.5		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.93		0.50	0.11	ppb v/v	2.5		TO-15	Total/NA
4-Isopropyltoluene - DL	0.78		0.50	0.093	ppb v/v	2.5		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	1.4	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	8.6		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.74	J	0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	140	E	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	5.4		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
tert-Butyl alcohol	6.1	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.3		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.47	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.3		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	9.9		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.42	J	0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.58	J	1.3	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-3A (Continued) — Lab Sample ID: 200-32860-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	0.28	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.59	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	4.1		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	8.4		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	3.3		2.0	0.16	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.54	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	14		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.18	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.98	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.5		0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.6		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	1.1		0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	3.7		3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	1.0		0.85	0.18	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.32	J	0.98	0.22	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.3		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	7.1		1.1	0.20	ug/m3	1		TO-15	Total/NA
1,2,4-Trichlorobenzene	0.76	J	3.7	0.50	ug/m3	1		TO-15	Total/NA
Hexachlorobutadiene	1.5	J	2.1	0.87	ug/m3	1		TO-15	Total/NA
Naphthalene	0.74	J	2.6	0.30	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.5	J	6.2	0.99	ug/m3	2.5		TO-15	Total/NA
Freon 22 - DL	2.0	J	4.4	0.50	ug/m3	2.5		TO-15	Total/NA
Chloromethane - DL	1.6	J	2.6	0.48	ug/m3	2.5		TO-15	Total/NA
n-Butane - DL	11		3.0	0.46	ug/m3	2.5		TO-15	Total/NA
Trichlorofluoromethane - DL	1.3	J	2.8	0.53	ug/m3	2.5		TO-15	Total/NA
1,1-Dichloroethene - DL	0.96	J	2.0	0.36	ug/m3	2.5		TO-15	Total/NA
Acetone - DL	180		30	5.1	ug/m3	2.5		TO-15	Total/NA
Isopropyl alcohol - DL	36		31	6.0	ug/m3	2.5		TO-15	Total/NA
Carbon disulfide - DL	6.7		3.9	0.33	ug/m3	2.5		TO-15	Total/NA
Methylene Chloride - DL	1.8	J	4.3	1.6	ug/m3	2.5		TO-15	Total/NA
n-Hexane - DL	1.9		1.8	0.48	ug/m3	2.5		TO-15	Total/NA
1,1-Dichloroethane - DL	0.59	J	2.0	0.25	ug/m3	2.5		TO-15	Total/NA
Methyl Ethyl Ketone - DL	3.1	J	3.7	0.38	ug/m3	2.5		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	2.6		2.0	0.35	ug/m3	2.5		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	2.7	J	4.0	0.35	ug/m3	2.5		TO-15	Total/NA
1,1,1-Trichloroethane - DL	8.1		2.7	0.63	ug/m3	2.5		TO-15	Total/NA
Benzene - DL	0.64	J	1.6	0.34	ug/m3	2.5		TO-15	Total/NA
n-Heptane - DL	4.6		2.0	0.41	ug/m3	2.5		TO-15	Total/NA
Trichloroethene - DL	6.8		2.7	0.52	ug/m3	2.5		TO-15	Total/NA
Methyl methacrylate - DL	2.7	J	5.1	0.41	ug/m3	2.5		TO-15	Total/NA
Toluene - DL	12		1.9	0.88	ug/m3	2.5		TO-15	Total/NA
Ethylbenzene - DL	1.2	J	2.2	0.36	ug/m3	2.5		TO-15	Total/NA
m,p-Xylene - DL	2.2	J	5.4	0.77	ug/m3	2.5		TO-15	Total/NA
Xylene, o- - DL	0.86	J	2.2	0.40	ug/m3	2.5		TO-15	Total/NA
Xylene (total) - DL	3.1	J	7.6	0.40	ug/m3	2.5		TO-15	Total/NA
Styrene - DL	0.57	J	2.1	0.46	ug/m3	2.5		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	4.6		2.5	0.53	ug/m3	2.5		TO-15	Total/NA
4-Isopropyltoluene - DL	4.3		2.7	0.51	ug/m3	2.5		TO-15	Total/NA

Client Sample ID: HC-4A — Lab Sample ID: 200-32860-4

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: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-4A (Continued) — Lab Sample ID: 200-32860-4

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	0.96		0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.71		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	3.8		0.50	0.078	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	0.20		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	51	E	5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	7.5		5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.9		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.28	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.0	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.29		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.11	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.89		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.63		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.63		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.9		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.15	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.084	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.069	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.19	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.73		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.5		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.16	J	0.50	0.040	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	3.0		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.83		0.20	0.023	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.26		0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.73		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.27		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	1.0		0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.25		0.20	0.043	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.051	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.069	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.0		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.75		0.20	0.037	ppb v/v	1		TO-15	Total/NA
1,2,4-Trichlorobenzene	0.090	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
Hexachlorobutadiene	0.12	J	0.20	0.082	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.10	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.45	J	1.0	0.16	ppb v/v	2		TO-15	Total/NA
Freon 22 - DL	1.2		1.0	0.11	ppb v/v	2		TO-15	Total/NA
Chloromethane - DL	0.75	J	1.0	0.19	ppb v/v	2		TO-15	Total/NA
n-Butane - DL	4.1		1.0	0.16	ppb v/v	2		TO-15	Total/NA
Trichlorofluoromethane - DL	0.20	J	0.40	0.076	ppb v/v	2		TO-15	Total/NA
1,1-Dichloroethene - DL	0.24	J	0.40	0.072	ppb v/v	2		TO-15	Total/NA
Acetone - DL	69		10	1.7	ppb v/v	2		TO-15	Total/NA
Isopropyl alcohol - DL	9.1	J	10	2.0	ppb v/v	2		TO-15	Total/NA
Carbon disulfide - DL	3.1		1.0	0.086	ppb v/v	2		TO-15	Total/NA
Methylene Chloride - DL	0.49	J	1.0	0.36	ppb v/v	2		TO-15	Total/NA
tert-Butyl alcohol - DL	2.0	J	10	1.7	ppb v/v	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-4A (Continued) — Lab Sample ID: 200-32860-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane - DL	0.45		0.40	0.11	ppb v/v	2		TO-15	Total/NA
1,1-Dichloroethane - DL	0.14	J	0.40	0.050	ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone - DL	0.95	J	1.0	0.10	ppb v/v	2		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	0.65		0.40	0.070	ppb v/v	2		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	0.65	J	0.80	0.070	ppb v/v	2		TO-15	Total/NA
1,1,1-Trichloroethane - DL	1.5		0.40	0.092	ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	0.094	J	0.40	0.078	ppb v/v	2		TO-15	Total/NA
Benzene - DL	0.21	J	0.40	0.084	ppb v/v	2		TO-15	Total/NA
n-Heptane - DL	0.87		0.40	0.080	ppb v/v	2		TO-15	Total/NA
Trichloroethene - DL	1.2		0.40	0.078	ppb v/v	2		TO-15	Total/NA
Toluene - DL	2.9		0.40	0.19	ppb v/v	2		TO-15	Total/NA
Tetrachloroethene - DL	0.55		0.40	0.046	ppb v/v	2		TO-15	Total/NA
Ethylbenzene - DL	0.21	J	0.40	0.066	ppb v/v	2		TO-15	Total/NA
m,p-Xylene - DL	0.61	J	1.0	0.14	ppb v/v	2		TO-15	Total/NA
Xylene, o- - DL	0.23	J	0.40	0.074	ppb v/v	2		TO-15	Total/NA
Xylene (total) - DL	0.84	J	1.4	0.074	ppb v/v	2		TO-15	Total/NA
Styrene - DL	0.17	J	0.40	0.086	ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.80		0.40	0.086	ppb v/v	2		TO-15	Total/NA
4-Isopropyltoluene - DL	0.53		0.40	0.074	ppb v/v	2		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	3.4		1.8	0.20	ug/m3	1		TO-15	Total/NA
Chloromethane	1.5		1.0	0.19	ug/m3	1		TO-15	Total/NA
n-Butane	9.1		1.2	0.19	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	0.78		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	120	E	12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	18		12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	9.0		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.97	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	6.0	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.0		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.44	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.6		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.5		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.5		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	10		1.1	0.25	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.52	J	0.69	0.13	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.53	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.32	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.61	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	3.0		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	7.8		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.65	J	2.0	0.16	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.44	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	11		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	5.6		1.4	0.16	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.1		0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.2		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	1.2		0.87	0.16	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-4A (Continued) — Lab Sample ID: 200-32860-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene (total)	4.3		3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	1.1		0.85	0.18	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.25	J	0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.34	J	0.98	0.22	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.9		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	4.1		1.1	0.20	ug/m3	1		TO-15	Total/NA
1,2,4-Trichlorobenzene	0.67	J	3.7	0.50	ug/m3	1		TO-15	Total/NA
Hexachlorobutadiene	1.2	J	2.1	0.87	ug/m3	1		TO-15	Total/NA
Naphthalene	0.54	J	2.6	0.30	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.2	J	4.9	0.79	ug/m3	2		TO-15	Total/NA
Freon 22 - DL	4.4		3.5	0.40	ug/m3	2		TO-15	Total/NA
Chloromethane - DL	1.6	J	2.1	0.38	ug/m3	2		TO-15	Total/NA
n-Butane - DL	9.8		2.4	0.37	ug/m3	2		TO-15	Total/NA
Trichlorofluoromethane - DL	1.1	J	2.2	0.43	ug/m3	2		TO-15	Total/NA
1,1-Dichloroethene - DL	0.96	J	1.6	0.29	ug/m3	2		TO-15	Total/NA
Acetone - DL	160		24	4.1	ug/m3	2		TO-15	Total/NA
Isopropyl alcohol - DL	22	J	25	4.8	ug/m3	2		TO-15	Total/NA
Carbon disulfide - DL	9.6		3.1	0.27	ug/m3	2		TO-15	Total/NA
Methylene Chloride - DL	1.7	J	3.5	1.3	ug/m3	2		TO-15	Total/NA
tert-Butyl alcohol - DL	6.0	J	30	5.2	ug/m3	2		TO-15	Total/NA
n-Hexane - DL	1.6		1.4	0.38	ug/m3	2		TO-15	Total/NA
1,1-Dichloroethane - DL	0.57	J	1.6	0.20	ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone - DL	2.8	J	2.9	0.31	ug/m3	2		TO-15	Total/NA
cis-1,2-Dichloroethene - DL	2.6		1.6	0.28	ug/m3	2		TO-15	Total/NA
1,2-Dichloroethene, Total - DL	2.6	J	3.2	0.28	ug/m3	2		TO-15	Total/NA
1,1,1-Trichloroethane - DL	8.3		2.2	0.50	ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	0.44	J	1.9	0.36	ug/m3	2		TO-15	Total/NA
Benzene - DL	0.67	J	1.3	0.27	ug/m3	2		TO-15	Total/NA
n-Heptane - DL	3.6		1.6	0.33	ug/m3	2		TO-15	Total/NA
Trichloroethene - DL	6.2		2.1	0.42	ug/m3	2		TO-15	Total/NA
Toluene - DL	11		1.5	0.70	ug/m3	2		TO-15	Total/NA
Tetrachloroethene - DL	3.7		2.7	0.31	ug/m3	2		TO-15	Total/NA
Ethylbenzene - DL	0.91	J	1.7	0.29	ug/m3	2		TO-15	Total/NA
m,p-Xylene - DL	2.6	J	4.3	0.62	ug/m3	2		TO-15	Total/NA
Xylene, o- - DL	0.99	J	1.7	0.32	ug/m3	2		TO-15	Total/NA
Xylene (total) - DL	3.6	J	6.1	0.32	ug/m3	2		TO-15	Total/NA
Styrene - DL	0.72	J	1.7	0.37	ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	3.9		2.0	0.42	ug/m3	2		TO-15	Total/NA
4-Isopropyltoluene - DL	2.9		2.2	0.41	ug/m3	2		TO-15	Total/NA

Client Sample ID: HC-5A — Lab Sample ID: 200-32860-5

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	0.63		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	2.7		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Bromomethane	0.10	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Chloroethane	0.11	J	0.50	0.085	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.038	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-5A (Continued) — Lab Sample ID: 200-32860-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.2		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	35		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	3.8	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.64		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.1		0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.1	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.19	J	0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.66		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	1.3		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.3		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	20		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.079	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Benzene	0.10	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.42		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	9.7		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.67		0.50	0.040	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.13	J	0.50	0.050	ppb v/v	1		TO-15	Total/NA
Toluene	4.9		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.023	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.15	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.40	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.16	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.56	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.10	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.87		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.73		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	0.84	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	6.4		1.2	0.19	ug/m3	1		TO-15	Total/NA
Bromomethane	0.39	J	0.78	0.22	ug/m3	1		TO-15	Total/NA
Chloroethane	0.29	J	1.3	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	4.9		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	84		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	9.4	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.0		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.7		1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	3.2	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.68	J	0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	2.7		0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.6		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.0		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	5.2		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	110		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.50	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.33	J	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

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-5A (Continued) — Lab Sample ID: 200-32860-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	52		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	2.7		2.0	0.16	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.51	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Toluene	18		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.15	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.63	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.7	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.70	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.4	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.44	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	4.3		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	4.0		1.1	0.20	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-6A — Lab Sample ID: 200-32860-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	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	0.77		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	1.5		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Bromomethane	0.10	J	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.038	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethene	0.36		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	23		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.4	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.38	J	0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.48	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.13	J	0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.17	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.4		0.50	0.052	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.56		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.56		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	5.1		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.084	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Benzene	0.055	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.39		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	2.6		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.24	J	0.50	0.040	ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.11	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.29	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.14	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.46	J	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)	0.64	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.086	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.57		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.45		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	2.4	J	2.5	0.40	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-6A (Continued) — Lab Sample ID: 200-32860-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Freon 22	0.99	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	3.6		1.2	0.19	ug/m3	1		TO-15	Total/NA
Bromomethane	0.41	J	0.78	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	1.4		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	54		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	5.9	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	1.7	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	0.45	J	0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.67	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	2.2		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.2		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	28		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.53	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.18	J	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	14		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.99	J	2.0	0.16	ug/m3	1		TO-15	Total/NA
Toluene	9.0		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.75	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.2	J	2.0	0.23	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.60	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.0	J	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)	2.8	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.37	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.8		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	2.5		1.1	0.20	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-7A — Lab Sample ID: 200-32860-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.080	ppb v/v	1		TO-15	Total/NA
Freon 22	0.20	J	0.50	0.057	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.62		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	5.0		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Bromomethane	0.081	J	0.20	0.056	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	0.29		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	25		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	3.9	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.52		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	2.8		0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.86	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.39		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.16	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.3		0.50	0.052	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-7A (Continued) — Lab Sample ID: 200-32860-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.92		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.92		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	3.0		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.039	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.36		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.42		0.20	0.042	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethane	0.19	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.51		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.9		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.54		0.50	0.040	ppb v/v	1		TO-15	Total/NA
Toluene	13		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.13	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	3.4		0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	17		0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	6.0		0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	23		0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.096	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	1.2		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	2.7		0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.8		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	8.0		0.20	0.043	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.24		0.20	0.037	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.24		0.20	0.047	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.29	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	2.1	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	0.71	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	12		1.2	0.19	ug/m3	1		TO-15	Total/NA
Bromomethane	0.31	J	0.78	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	1.1		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	59		12	2.0	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	9.5	J	12	2.4	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.6		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	9.9		1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	2.6	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.4		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.63	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.9		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	3.6		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	3.6		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	16		1.1	0.25	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.24	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.7		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
1,2-Dichloroethane	0.75	J	0.81	0.17	ug/m3	1		TO-15	Total/NA
n-Heptane	2.1		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	10		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	2.2		2.0	0.16	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HC-7A (Continued) — Lab Sample ID: 200-32860-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	49		0.75	0.35	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.89	J	1.4	0.16	ug/m3	1		TO-15	Total/NA
Ethylbenzene	15		0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	74		2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	26		0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	100		3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.41	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	6.1		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	13		0.98	0.22	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	8.9		0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	39		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	1.3		1.1	0.20	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	1.3		1.1	0.26	ug/m3	1		TO-15	Total/NA
Naphthalene	1.5	J	2.6	0.30	ug/m3	1		TO-15	Total/NA

Client Sample ID: HC-8A — Lab Sample ID: 200-32860-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.43	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	0.61		0.50	0.093	ppb v/v	1		TO-15	Total/NA
n-Butane	3.6		0.50	0.078	ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.092	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Bromomethane	0.063	J	0.20	0.056	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	0.32		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Acetone	36		5.0	0.86	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.1	J	5.0	0.98	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.2		0.50	0.043	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.28	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.2	J	5.0	0.85	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.27		0.20	0.054	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.15	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	1.1		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.1		0.40	0.035	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	2.8		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	0.064	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.13	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.65		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichloroethene	2.3		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Methyl methacrylate	0.19	J	0.50	0.040	ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.20	0.093	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.14	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.42	J	0.50	0.071	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.15	J	0.20	0.037	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.57	J	0.70	0.037	ppb v/v	1		TO-15	Total/NA
Styrene	0.098	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.77		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-8A (Continued) — Lab Sample ID: 200-32860-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	0.66		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	2.1	J	2.5	0.40	ug/m3	1		TO-15	Total/NA
Freon 22	0.86	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	8.6		1.2	0.19	ug/m3	1		TO-15	Total/NA
Vinyl chloride	0.24	J	0.51	0.082	ug/m3	1		TO-15	Total/NA
Bromomethane	0.25	J	0.78	0.22	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.21	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethene	1.3		0.79	0.14	ug/m3	1		TO-15	Total/NA
Acetone	86		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	3.9		1.6	0.13	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.96	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	3.7	J	15	2.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.96		0.70	0.19	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.61	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.6		1.5	0.15	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	4.4		0.79	0.14	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	4.4		1.6	0.14	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	15		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	0.30	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	0.42	J	0.64	0.13	ug/m3	1		TO-15	Total/NA
n-Heptane	2.7		0.82	0.16	ug/m3	1		TO-15	Total/NA
Trichloroethene	12		1.1	0.21	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.76	J	2.0	0.16	ug/m3	1		TO-15	Total/NA
Toluene	9.0		0.75	0.35	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.61	J	0.87	0.14	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.8	J	2.2	0.31	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.67	J	0.87	0.16	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.5	J	3.0	0.16	ug/m3	1		TO-15	Total/NA
Styrene	0.42	J	0.85	0.18	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.8		0.98	0.21	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	3.6		1.1	0.20	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: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-1A

Lab Sample ID: 200-32860-1

Date Collected: 04/02/16 17:20
Matrix: Air
Date Received: 04/05/16 10:15
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	**0.42**	**J**	0.50	0.080	ppb v/v			04/07/16 02:27	1
Freon 22	**0.16**	**J**	0.50	0.057	ppb v/v			04/07/16 02:27	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 02:27	1
Chloromethane	**0.59**		0.50	0.093	ppb v/v			04/07/16 02:27	1
n-Butane	**0.14**	**J**	0.50	0.078	ppb v/v			04/07/16 02:27	1
Vinyl chloride	**0.22**		0.20	0.032	ppb v/v			04/07/16 02:27	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 02:27	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/07/16 02:27	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 02:27	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			04/07/16 02:27	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 02:27	1
1,1-Dichloroethene	**0.22**		0.20	0.036	ppb v/v			04/07/16 02:27	1
Acetone	**2.9**	**J**	5.0	0.86	ppb v/v			04/07/16 02:27	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			04/07/16 02:27	1
Carbon disulfide	**0.20**	**J**	0.50	0.043	ppb v/v			04/07/16 02:27	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 02:27	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			04/07/16 02:27	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			04/07/16 02:27	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 02:27	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 02:27	1
n-Hexane	ND		0.20	0.054	ppb v/v			04/07/16 02:27	1
1,1-Dichloroethane	**0.12**	**J**	0.20	0.025	ppb v/v			04/07/16 02:27	1
Methyl Ethyl Ketone	**0.35**	**J**	0.50	0.052	ppb v/v			04/07/16 02:27	1
cis-1,2-Dichloroethene	**2.5**		0.20	0.035	ppb v/v			04/07/16 02:27	1
1,2-Dichloroethene, Total	**2.5**		0.40	0.035	ppb v/v			04/07/16 02:27	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 02:27	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 02:27	1
1,1,1-Trichloroethane	**0.28**		0.20	0.046	ppb v/v			04/07/16 02:27	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 02:27	1
Carbon tetrachloride	**0.082**	**J**	0.20	0.032	ppb v/v			04/07/16 02:27	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/07/16 02:27	1
Benzene	ND		0.20	0.042	ppb v/v			04/07/16 02:27	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 02:27	1
n-Heptane	ND		0.20	0.040	ppb v/v			04/07/16 02:27	1
Trichloroethene	**0.49**		0.20	0.039	ppb v/v			04/07/16 02:27	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			04/07/16 02:27	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 02:27	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 02:27	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 02:27	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 02:27	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 02:27	1
Toluene	**0.096**	**J**	0.20	0.093	ppb v/v			04/07/16 02:27	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 02:27	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 02:27	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			04/07/16 02:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 02:27	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1

Client Sample ID: HC-1A

Lab Sample ID: 200-32860-1

Date Collected: 04/02/16 17:20
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 02:27	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 02:27	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			04/07/16 02:27	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			04/07/16 02:27	1
Xylene, o-	ND		0.20	0.037	ppb v/v			04/07/16 02:27	1
Xylene (total)	ND		0.70	0.037	ppb v/v			04/07/16 02:27	1
Styrene	ND		0.20	0.043	ppb v/v			04/07/16 02:27	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 02:27	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 02:27	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 02:27	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 02:27	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 02:27	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 02:27	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 02:27	1
4-Isopropyltoluene	**0.054**	**J**	0.20	0.037	ppb v/v			04/07/16 02:27	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 02:27	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 02:27	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 02:27	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 02:27	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 02:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 02:27	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 02:27	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/07/16 02:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.40	ug/m3			04/07/16 02:27	1
Freon 22	**0.56**	**J**	1.8	0.20	ug/m3			04/07/16 02:27	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 02:27	1
Chloromethane	**1.2**		1.0	0.19	ug/m3			04/07/16 02:27	1
n-Butane	**0.33**	**J**	1.2	0.19	ug/m3			04/07/16 02:27	1
Vinyl chloride	**0.57**		0.51	0.082	ug/m3			04/07/16 02:27	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 02:27	1
Bromomethane	ND		0.78	0.22	ug/m3			04/07/16 02:27	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 02:27	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 02:27	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			04/07/16 02:27	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 02:27	1
1,1-Dichloroethene	**0.89**		0.79	0.14	ug/m3			04/07/16 02:27	1
Acetone	**6.8**	**J**	12	2.0	ug/m3			04/07/16 02:27	1
Isopropyl alcohol	ND		12	2.4	ug/m3			04/07/16 02:27	1
Carbon disulfide	**0.61**	**J**	1.6	0.13	ug/m3			04/07/16 02:27	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 02:27	1
Methylene Chloride	ND		1.7	0.63	ug/m3			04/07/16 02:27	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			04/07/16 02:27	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 02:27	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 02:27	1

Client Sample ID: HC-1A

Lab Sample ID: 200-32860-1

Date Collected: 04/02/16 17:20
Matrix: Air
Date Received: 04/05/16 10:15
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	ND		0.70	0.19	ug/m3			04/07/16 02:27	1
1,1-Dichloroethane	**0.47**	**J**	0.81	0.10	ug/m3			04/07/16 02:27	1
Methyl Ethyl Ketone	**1.0**	**J**	1.5	0.15	ug/m3			04/07/16 02:27	1
cis-1,2-Dichloroethene	**10**		0.79	0.14	ug/m3			04/07/16 02:27	1
1,2-Dichloroethene, Total	**9.9**		1.6	0.14	ug/m3			04/07/16 02:27	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 02:27	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 02:27	1
1,1,1-Trichloroethane	**1.5**		1.1	0.25	ug/m3			04/07/16 02:27	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 02:27	1
Carbon tetrachloride	**0.52**	**J**	1.3	0.20	ug/m3			04/07/16 02:27	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/07/16 02:27	1
Benzene	ND		0.64	0.13	ug/m3			04/07/16 02:27	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 02:27	1
n-Heptane	ND		0.82	0.16	ug/m3			04/07/16 02:27	1
Trichloroethene	**2.6**		1.1	0.21	ug/m3			04/07/16 02:27	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			04/07/16 02:27	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 02:27	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 02:27	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 02:27	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 02:27	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 02:27	1
Toluene	**0.36**	**J**	0.75	0.35	ug/m3			04/07/16 02:27	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 02:27	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 02:27	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			04/07/16 02:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 02:27	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 02:27	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 02:27	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 02:27	1
Ethylbenzene	ND		0.87	0.14	ug/m3			04/07/16 02:27	1
m,p-Xylene	ND		2.2	0.31	ug/m3			04/07/16 02:27	1
Xylene, o-	ND		0.87	0.16	ug/m3			04/07/16 02:27	1
Xylene (total)	ND		3.0	0.16	ug/m3			04/07/16 02:27	1
Styrene	ND		0.85	0.18	ug/m3			04/07/16 02:27	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 02:27	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 02:27	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 02:27	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 02:27	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 02:27	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 02:27	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 02:27	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			04/07/16 02:27	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 02:27	1
4-Isopropyltoluene	**0.30**	**J**	1.1	0.20	ug/m3			04/07/16 02:27	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 02:27	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 02:27	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 02:27	1

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-1A

Lab Sample ID: 200-32860-1
Matrix: Air

Date Collected: 04/02/16 17:20
Date Received: 04/05/16 10:15
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			04/07/16 02:27	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 02:27	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 02:27	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 02:27	1
Naphthalene	ND		2.6	0.30	ug/m3			04/07/16 02:27	1

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2
Matrix: Air

Date Collected: 04/02/16 17:10
Date Received: 04/05/16 10:15
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	**0.51**		0.50	0.080	ppb v/v			04/07/16 03:21	1
Freon 22	**0.24**	**J**	0.50	0.057	ppb v/v			04/07/16 03:21	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 03:21	1
Chloromethane	**0.71**		0.50	0.093	ppb v/v			04/07/16 03:21	1
n-Butane	**4.7**		0.50	0.078	ppb v/v			04/07/16 03:21	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 03:21	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 03:21	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/07/16 03:21	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 03:21	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			04/07/16 03:21	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 03:21	1
1,1-Dichloroethene	**0.24**		0.20	0.036	ppb v/v			04/07/16 03:21	1
Acetone	**72**	**E**	5.0	0.86	ppb v/v			04/07/16 03:21	1
Isopropyl alcohol	**6.5**		5.0	0.98	ppb v/v			04/07/16 03:21	1
Carbon disulfide	**1.1**		0.50	0.043	ppb v/v			04/07/16 03:21	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 03:21	1
Methylene Chloride	**0.30**	**J**	0.50	0.18	ppb v/v			04/07/16 03:21	1
tert-Butyl alcohol	**1.4**	**J**	5.0	0.85	ppb v/v			04/07/16 03:21	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 03:21	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 03:21	1
n-Hexane	**0.41**		0.20	0.054	ppb v/v			04/07/16 03:21	1
1,1-Dichloroethane	**0.13**	**J**	0.20	0.025	ppb v/v			04/07/16 03:21	1
Methyl Ethyl Ketone	**1.6**		0.50	0.052	ppb v/v			04/07/16 03:21	1
cis-1,2-Dichloroethene	**0.64**		0.20	0.035	ppb v/v			04/07/16 03:21	1
1,2-Dichloroethene, Total	**0.64**		0.40	0.035	ppb v/v			04/07/16 03:21	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 03:21	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 03:21	1
1,1,1-Trichloroethane	**2.2**		0.20	0.046	ppb v/v			04/07/16 03:21	1
Cyclohexane	**0.12**	**J**	0.20	0.039	ppb v/v			04/07/16 03:21	1
Carbon tetrachloride	**0.080**	**J**	0.20	0.032	ppb v/v			04/07/16 03:21	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/07/16 03:21	1
Benzene	**0.17**	**J**	0.20	0.042	ppb v/v			04/07/16 03:21	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 03:21	1
n-Heptane	**1.3**		0.20	0.040	ppb v/v			04/07/16 03:21	1
Trichloroethene	**1.9**		0.20	0.039	ppb v/v			04/07/16 03:21	1

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	**0.23**	**J**	0.50	0.040	ppb v/v			04/07/16 03:21	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 03:21	1
1,4-Dioxane	**0.85**	**J**	5.0	0.56	ppb v/v			04/07/16 03:21	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 03:21	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 03:21	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 03:21	1
Toluene	**4.1**		0.20	0.093	ppb v/v			04/07/16 03:21	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 03:21	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 03:21	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			04/07/16 03:21	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 03:21	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 03:21	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 03:21	1
Ethylbenzene	**0.24**		0.20	0.033	ppb v/v			04/07/16 03:21	1
m,p-Xylene	**0.67**		0.50	0.071	ppb v/v			04/07/16 03:21	1
Xylene, o-	**0.22**		0.20	0.037	ppb v/v			04/07/16 03:21	1
Xylene (total)	**0.89**		0.70	0.037	ppb v/v			04/07/16 03:21	1
Styrene	**0.19**	**J**	0.20	0.043	ppb v/v			04/07/16 03:21	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 03:21	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 03:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
n-Propylbenzene	**0.067**	**J**	0.20	0.043	ppb v/v			04/07/16 03:21	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 03:21	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 03:21	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
1,2,4-Trimethylbenzene	**1.3**		0.20	0.043	ppb v/v			04/07/16 03:21	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 03:21	1
4-Isopropyltoluene	**1.6**		0.20	0.037	ppb v/v			04/07/16 03:21	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 03:21	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 03:21	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 03:21	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 03:21	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 03:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 03:21	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 03:21	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/07/16 03:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**		2.5	0.40	ug/m3			04/07/16 03:21	1
Freon 22	**0.83**	**J**	1.8	0.20	ug/m3			04/07/16 03:21	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 03:21	1
Chloromethane	**1.5**		1.0	0.19	ug/m3			04/07/16 03:21	1
n-Butane	**11**		1.2	0.19	ug/m3			04/07/16 03:21	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 03:21	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 03:21	1
Bromomethane	ND		0.78	0.22	ug/m3			04/07/16 03:21	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 03:21	1

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Matrix: Air
Date Received: 04/05/16 10:15
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
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 03:21	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			04/07/16 03:21	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 03:21	1
1,1-Dichloroethene	**0.94**		0.79	0.14	ug/m3			04/07/16 03:21	1
Acetone	**170**	**E**	12	2.0	ug/m3			04/07/16 03:21	1
Isopropyl alcohol	**16**		12	2.4	ug/m3			04/07/16 03:21	1
Carbon disulfide	**3.6**		1.6	0.13	ug/m3			04/07/16 03:21	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 03:21	1
Methylene Chloride	**1.0**	**J**	1.7	0.63	ug/m3			04/07/16 03:21	1
tert-Butyl alcohol	**4.4**	**J**	15	2.6	ug/m3			04/07/16 03:21	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 03:21	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 03:21	1
n-Hexane	**1.4**		0.70	0.19	ug/m3			04/07/16 03:21	1
1,1-Dichloroethane	**0.52**	**J**	0.81	0.10	ug/m3			04/07/16 03:21	1
Methyl Ethyl Ketone	**4.7**		1.5	0.15	ug/m3			04/07/16 03:21	1
cis-1,2-Dichloroethene	**2.5**		0.79	0.14	ug/m3			04/07/16 03:21	1
1,2-Dichloroethene, Total	**2.5**		1.6	0.14	ug/m3			04/07/16 03:21	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 03:21	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 03:21	1
1,1,1-Trichloroethane	**12**		1.1	0.25	ug/m3			04/07/16 03:21	1
Cyclohexane	**0.41**	**J**	0.69	0.13	ug/m3			04/07/16 03:21	1
Carbon tetrachloride	**0.50**	**J**	1.3	0.20	ug/m3			04/07/16 03:21	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/07/16 03:21	1
Benzene	**0.55**	**J**	0.64	0.13	ug/m3			04/07/16 03:21	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 03:21	1
n-Heptane	**5.3**		0.82	0.16	ug/m3			04/07/16 03:21	1
Trichloroethene	**9.9**		1.1	0.21	ug/m3			04/07/16 03:21	1
Methyl methacrylate	**0.95**	**J**	2.0	0.16	ug/m3			04/07/16 03:21	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 03:21	1
1,4-Dioxane	**3.1**	**J**	18	2.0	ug/m3			04/07/16 03:21	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 03:21	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 03:21	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 03:21	1
Toluene	**15**		0.75	0.35	ug/m3			04/07/16 03:21	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 03:21	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 03:21	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			04/07/16 03:21	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 03:21	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 03:21	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 03:21	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 03:21	1
Ethylbenzene	**1.1**		0.87	0.14	ug/m3			04/07/16 03:21	1
m,p-Xylene	**2.9**		2.2	0.31	ug/m3			04/07/16 03:21	1
Xylene, o-	**0.97**		0.87	0.16	ug/m3			04/07/16 03:21	1
Xylene (total)	**3.9**		3.0	0.16	ug/m3			04/07/16 03:21	1
Styrene	**0.82**	**J**	0.85	0.18	ug/m3			04/07/16 03:21	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 03:21	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 03:21	1

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 03:21	1
n-Propylbenzene	**0.33**	**J**	0.98	0.21	ug/m3			04/07/16 03:21	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 03:21	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 03:21	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 03:21	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 03:21	1
1,2,4-Trimethylbenzene	**6.5**		0.98	0.21	ug/m3			04/07/16 03:21	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 03:21	1
4-Isopropyltoluene	**8.8**		1.1	0.20	ug/m3			04/07/16 03:21	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 03:21	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 03:21	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 03:21	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/07/16 03:21	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 03:21	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 03:21	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 03:21	1
Naphthalene	ND		2.6	0.30	ug/m3			04/07/16 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.56**	**J**	1.5	0.24	ppb v/v			04/08/16 07:08	3.03
Freon 22	**0.35**	**J**	1.5	0.17	ppb v/v			04/08/16 07:08	3.03
1,2-Dichlorotetrafluoroethane	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Chloromethane	**0.82**	**J**	1.5	0.28	ppb v/v			04/08/16 07:08	3.03
n-Butane	ND		1.5	0.24	ppb v/v			04/08/16 07:08	3.03
Vinyl chloride	ND		0.61	0.097	ppb v/v			04/08/16 07:08	3.03
1,3-Butadiene	ND		0.61	0.27	ppb v/v			04/08/16 07:08	3.03
Bromomethane	ND		0.61	0.17	ppb v/v			04/08/16 07:08	3.03
Chloroethane	ND		1.5	0.26	ppb v/v			04/08/16 07:08	3.03
Bromoethene(Vinyl Bromide)	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
Trichlorofluoromethane	**0.22**	**J**	0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Freon TF	ND		0.61	0.23	ppb v/v			04/08/16 07:08	3.03
1,1-Dichloroethene	**0.17**	**J**	0.61	0.11	ppb v/v			04/08/16 07:08	3.03
Acetone	**98**		15	2.6	ppb v/v			04/08/16 07:08	3.03
Isopropyl alcohol	**8.9**	**J**	15	3.0	ppb v/v			04/08/16 07:08	3.03
Carbon disulfide	**1.5**		1.5	0.13	ppb v/v			04/08/16 07:08	3.03
3-Chloropropene	ND		1.5	0.21	ppb v/v			04/08/16 07:08	3.03
Methylene Chloride	**0.63**	**J**	1.5	0.55	ppb v/v			04/08/16 07:08	3.03
tert-Butyl alcohol	ND		15	2.6	ppb v/v			04/08/16 07:08	3.03
Methyl tert-butyl ether	ND		0.61	0.27	ppb v/v			04/08/16 07:08	3.03
trans-1,2-Dichloroethene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
n-Hexane	**0.70**		0.61	0.16	ppb v/v			04/08/16 07:08	3.03
1,1-Dichloroethane	**0.19**	**J**	0.61	0.076	ppb v/v			04/08/16 07:08	3.03
Methyl Ethyl Ketone	**1.8**		1.5	0.16	ppb v/v			04/08/16 07:08	3.03
cis-1,2-Dichloroethene	**0.74**		0.61	0.11	ppb v/v			04/08/16 07:08	3.03
1,2-Dichloroethene, Total	**0.74**	**J**	1.2	0.11	ppb v/v			04/08/16 07:08	3.03
Chloroform	ND		0.61	0.25	ppb v/v			04/08/16 07:08	3.03
Tetrahydrofuran	ND		15	4.2	ppb v/v			04/08/16 07:08	3.03
1,1,1-Trichloroethane	**1.9**		0.61	0.14	ppb v/v			04/08/16 07:08	3.03

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	**0.18**	**J**	0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Carbon tetrachloride	ND		0.61	0.097	ppb v/v			04/08/16 07:08	3.03
2,2,4-Trimethylpentane	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Benzene	**0.21**	**J**	0.61	0.13	ppb v/v			04/08/16 07:08	3.03
1,2-Dichloroethane	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
n-Heptane	**1.8**		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Trichloroethene	**1.7**		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Methyl methacrylate	ND		1.5	0.12	ppb v/v			04/08/16 07:08	3.03
1,2-Dichloropropane	ND		0.61	0.082	ppb v/v			04/08/16 07:08	3.03
1,4-Dioxane	ND		15	1.7	ppb v/v			04/08/16 07:08	3.03
Bromodichloromethane	ND		0.61	0.091	ppb v/v			04/08/16 07:08	3.03
cis-1,3-Dichloropropene	ND		0.61	0.070	ppb v/v			04/08/16 07:08	3.03
methyl isobutyl ketone	ND		1.5	0.15	ppb v/v			04/08/16 07:08	3.03
Toluene	**4.1**		0.61	0.28	ppb v/v			04/08/16 07:08	3.03
trans-1,3-Dichloropropene	ND		0.61	0.10	ppb v/v			04/08/16 07:08	3.03
1,1,2-Trichloroethane	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Tetrachloroethene	ND		0.61	0.070	ppb v/v			04/08/16 07:08	3.03
Methyl Butyl Ketone (2-Hexanone)	ND		1.5	0.17	ppb v/v			04/08/16 07:08	3.03
Dibromochloromethane	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
1,2-Dibromoethane	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
Chlorobenzene	ND		0.61	0.15	ppb v/v			04/08/16 07:08	3.03
Ethylbenzene	**0.23**	**J**	0.61	0.10	ppb v/v			04/08/16 07:08	3.03
m,p-Xylene	**0.57**	**J**	1.5	0.22	ppb v/v			04/08/16 07:08	3.03
Xylene, o-	**0.20**	**J**	0.61	0.11	ppb v/v			04/08/16 07:08	3.03
Xylene (total)	**0.77**	**J**	2.1	0.11	ppb v/v			04/08/16 07:08	3.03
Styrene	**0.13**	**J**	0.61	0.13	ppb v/v			04/08/16 07:08	3.03
Bromoform	ND		0.61	0.17	ppb v/v			04/08/16 07:08	3.03
Cumene	ND		0.61	0.091	ppb v/v			04/08/16 07:08	3.03
1,1,2,2-Tetrachloroethane	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
n-Propylbenzene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
4-Ethyltoluene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
1,3,5-Trimethylbenzene	ND		0.61	0.12	ppb v/v			04/08/16 07:08	3.03
2-Chlorotoluene	ND		0.61	0.10	ppb v/v			04/08/16 07:08	3.03
tert-Butylbenzene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
1,2,4-Trimethylbenzene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
sec-Butylbenzene	ND		0.61	0.13	ppb v/v			04/08/16 07:08	3.03
4-Isopropyltoluene	**0.99**		0.61	0.11	ppb v/v			04/08/16 07:08	3.03
1,3-Dichlorobenzene	ND		0.61	0.17	ppb v/v			04/08/16 07:08	3.03
1,4-Dichlorobenzene	ND		0.61	0.17	ppb v/v			04/08/16 07:08	3.03
Benzyl chloride	ND		0.61	0.16	ppb v/v			04/08/16 07:08	3.03
n-Butylbenzene	ND		0.61	0.14	ppb v/v			04/08/16 07:08	3.03
1,2-Dichlorobenzene	ND		0.61	0.17	ppb v/v			04/08/16 07:08	3.03
1,2,4-Trichlorobenzene	ND		1.5	0.21	ppb v/v			04/08/16 07:08	3.03
Hexachlorobutadiene	ND		0.61	0.25	ppb v/v			04/08/16 07:08	3.03
Naphthalene	ND	*	1.5	0.17	ppb v/v			04/08/16 07:08	3.03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.8**	**J**	7.5	1.2	ug/m3			04/08/16 07:08	3.03
Freon 22	**1.3**	**J**	5.4	0.61	ug/m3			04/08/16 07:08	3.03

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		4.2	0.80	ug/m3			04/08/16 07:08	3.03
Chloromethane	**1.7**	**J**	3.1	0.58	ug/m3			04/08/16 07:08	3.03
n-Butane	ND		3.6	0.56	ug/m3			04/08/16 07:08	3.03
Vinyl chloride	ND		1.5	0.25	ug/m3			04/08/16 07:08	3.03
1,3-Butadiene	ND		1.3	0.60	ug/m3			04/08/16 07:08	3.03
Bromomethane	ND		2.4	0.66	ug/m3			04/08/16 07:08	3.03
Chloroethane	ND		4.0	0.68	ug/m3			04/08/16 07:08	3.03
Bromoethene(Vinyl Bromide)	ND		2.7	0.58	ug/m3			04/08/16 07:08	3.03
Trichlorofluoromethane	**1.3**	**J**	3.4	0.65	ug/m3			04/08/16 07:08	3.03
Freon TF	ND		4.6	1.7	ug/m3			04/08/16 07:08	3.03
1,1-Dichloroethene	**0.66**	**J**	2.4	0.43	ug/m3			04/08/16 07:08	3.03
Acetone	**230**		36	6.2	ug/m3			04/08/16 07:08	3.03
Isopropyl alcohol	**22**	**J**	37	7.3	ug/m3			04/08/16 07:08	3.03
Carbon disulfide	**4.8**		4.7	0.41	ug/m3			04/08/16 07:08	3.03
3-Chloropropene	ND		4.7	0.64	ug/m3			04/08/16 07:08	3.03
Methylene Chloride	**2.2**	**J**	5.3	1.9	ug/m3			04/08/16 07:08	3.03
tert-Butyl alcohol	ND		46	7.8	ug/m3			04/08/16 07:08	3.03
Methyl tert-butyl ether	ND		2.2	0.97	ug/m3			04/08/16 07:08	3.03
trans-1,2-Dichloroethene	ND		2.4	0.52	ug/m3			04/08/16 07:08	3.03
n-Hexane	**2.5**		2.1	0.58	ug/m3			04/08/16 07:08	3.03
1,1-Dichloroethane	**0.77**	**J**	2.5	0.31	ug/m3			04/08/16 07:08	3.03
Methyl Ethyl Ketone	**5.2**		4.5	0.46	ug/m3			04/08/16 07:08	3.03
cis-1,2-Dichloroethene	**2.9**		2.4	0.42	ug/m3			04/08/16 07:08	3.03
1,2-Dichloroethene, Total	**2.9**	**J**	4.8	0.42	ug/m3			04/08/16 07:08	3.03
Chloroform	ND		3.0	1.2	ug/m3			04/08/16 07:08	3.03
Tetrahydrofuran	ND		45	13	ug/m3			04/08/16 07:08	3.03
1,1,1-Trichloroethane	**11**		3.3	0.76	ug/m3			04/08/16 07:08	3.03
Cyclohexane	**0.61**	**J**	2.1	0.41	ug/m3			04/08/16 07:08	3.03
Carbon tetrachloride	ND		3.8	0.61	ug/m3			04/08/16 07:08	3.03
2,2,4-Trimethylpentane	ND		2.8	0.55	ug/m3			04/08/16 07:08	3.03
Benzene	**0.68**	**J**	1.9	0.41	ug/m3			04/08/16 07:08	3.03
1,2-Dichloroethane	ND		2.5	0.50	ug/m3			04/08/16 07:08	3.03
n-Heptane	**7.3**		2.5	0.50	ug/m3			04/08/16 07:08	3.03
Trichloroethene	**9.0**		3.3	0.64	ug/m3			04/08/16 07:08	3.03
Methyl methacrylate	ND		6.2	0.50	ug/m3			04/08/16 07:08	3.03
1,2-Dichloropropane	ND		2.8	0.38	ug/m3			04/08/16 07:08	3.03
1,4-Dioxane	ND		55	6.1	ug/m3			04/08/16 07:08	3.03
Bromodichloromethane	ND		4.1	0.61	ug/m3			04/08/16 07:08	3.03
cis-1,3-Dichloropropene	ND		2.8	0.32	ug/m3			04/08/16 07:08	3.03
methyl isobutyl ketone	ND		6.2	0.62	ug/m3			04/08/16 07:08	3.03
Toluene	**16**		2.3	1.1	ug/m3			04/08/16 07:08	3.03
trans-1,3-Dichloropropene	ND		2.8	0.47	ug/m3			04/08/16 07:08	3.03
1,1,2-Trichloroethane	ND		3.3	0.64	ug/m3			04/08/16 07:08	3.03
Tetrachloroethene	ND		4.1	0.47	ug/m3			04/08/16 07:08	3.03
Methyl Butyl Ketone (2-Hexanone)	ND		6.2	0.71	ug/m3			04/08/16 07:08	3.03
Dibromochloromethane	ND		5.2	1.1	ug/m3			04/08/16 07:08	3.03
1,2-Dibromoethane	ND		4.7	0.91	ug/m3			04/08/16 07:08	3.03
Chlorobenzene	ND		2.8	0.68	ug/m3			04/08/16 07:08	3.03

Client Sample ID: HC-2A

Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**1.0**	**J**	2.6	0.43	ug/m3			04/08/16 07:08	3.03
m,p-Xylene	**2.5**	**J**	6.6	0.93	ug/m3			04/08/16 07:08	3.03
Xylene, o-	**0.87**	**J**	2.6	0.49	ug/m3			04/08/16 07:08	3.03
Xylene (total)	**3.3**	**J**	9.2	0.49	ug/m3			04/08/16 07:08	3.03
Styrene	**0.56**	**J**	2.6	0.55	ug/m3			04/08/16 07:08	3.03
Bromoform	ND		6.3	1.8	ug/m3			04/08/16 07:08	3.03
Cumene	ND		3.0	0.45	ug/m3			04/08/16 07:08	3.03
1,1,2,2-Tetrachloroethane	ND		4.2	0.92	ug/m3			04/08/16 07:08	3.03
n-Propylbenzene	ND		3.0	0.64	ug/m3			04/08/16 07:08	3.03
4-Ethyltoluene	ND		3.0	0.66	ug/m3			04/08/16 07:08	3.03
1,3,5-Trimethylbenzene	ND		3.0	0.58	ug/m3			04/08/16 07:08	3.03
2-Chlorotoluene	ND		3.1	0.52	ug/m3			04/08/16 07:08	3.03
tert-Butylbenzene	ND		3.3	0.73	ug/m3			04/08/16 07:08	3.03
1,2,4-Trimethylbenzene	ND		3.0	0.64	ug/m3			04/08/16 07:08	3.03
sec-Butylbenzene	ND		3.3	0.73	ug/m3			04/08/16 07:08	3.03
4-Isopropyltoluene	**5.4**		3.3	0.62	ug/m3			04/08/16 07:08	3.03
1,3-Dichlorobenzene	ND		3.6	1.0	ug/m3			04/08/16 07:08	3.03
1,4-Dichlorobenzene	ND		3.6	1.0	ug/m3			04/08/16 07:08	3.03
Benzyl chloride	ND		3.1	0.83	ug/m3			04/08/16 07:08	3.03
n-Butylbenzene	ND		3.3	0.78	ug/m3			04/08/16 07:08	3.03
1,2-Dichlorobenzene	ND		3.6	1.0	ug/m3			04/08/16 07:08	3.03
1,2,4-Trichlorobenzene	ND		11	1.5	ug/m3			04/08/16 07:08	3.03
Hexachlorobutadiene	ND		6.5	2.6	ug/m3			04/08/16 07:08	3.03
Naphthalene	ND	*	7.9	0.91	ug/m3			04/08/16 07:08	3.03

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 04:14	1
Freon 22	**0.40**	**J**	0.50	0.057	ppb v/v			04/07/16 04:14	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 04:14	1
Chloromethane	**0.62**		0.50	0.093	ppb v/v			04/07/16 04:14	1
n-Butane	**3.6**		0.50	0.078	ppb v/v			04/07/16 04:14	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 04:14	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 04:14	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/07/16 04:14	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 04:14	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 04:14	1
Trichlorofluoromethane	**0.23**		0.20	0.038	ppb v/v			04/07/16 04:14	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 04:14	1
1,1-Dichloroethene	**0.19**	**J**	0.20	0.036	ppb v/v			04/07/16 04:14	1
Acetone	**58**	**E**	5.0	0.86	ppb v/v			04/07/16 04:14	1
Isopropyl alcohol	**12**		5.0	0.98	ppb v/v			04/07/16 04:14	1
Carbon disulfide	**1.7**		0.50	0.043	ppb v/v			04/07/16 04:14	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 04:14	1

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
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
Methylene Chloride	**0.24**	**J**	0.50	0.18	ppb v/v			04/07/16 04:14	1
tert-Butyl alcohol	**2.0**	**J**	5.0	0.85	ppb v/v			04/07/16 04:14	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 04:14	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 04:14	1
n-Hexane	**0.37**		0.20	0.054	ppb v/v			04/07/16 04:14	1
1,1-Dichloroethane	**0.12**	**J**	0.20	0.025	ppb v/v			04/07/16 04:14	1
Methyl Ethyl Ketone	**1.1**		0.50	0.052	ppb v/v			04/07/16 04:14	1
cis-1,2-Dichloroethene	**0.59**		0.20	0.035	ppb v/v			04/07/16 04:14	1
1,2-Dichloroethene, Total	**0.59**		0.40	0.035	ppb v/v			04/07/16 04:14	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 04:14	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 04:14	1
1,1,1-Trichloroethane	**1.8**		0.20	0.046	ppb v/v			04/07/16 04:14	1
Cyclohexane	**0.12**	**J**	0.20	0.039	ppb v/v			04/07/16 04:14	1
Carbon tetrachloride	**0.092**	**J**	0.20	0.032	ppb v/v			04/07/16 04:14	1
2,2,4-Trimethylpentane	**0.059**	**J**	0.20	0.039	ppb v/v			04/07/16 04:14	1
Benzene	**0.19**	**J**	0.20	0.042	ppb v/v			04/07/16 04:14	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 04:14	1
n-Heptane	**1.0**		0.20	0.040	ppb v/v			04/07/16 04:14	1
Trichloroethene	**1.6**		0.20	0.039	ppb v/v			04/07/16 04:14	1
Methyl methacrylate	**0.80**		0.50	0.040	ppb v/v			04/07/16 04:14	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 04:14	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 04:14	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 04:14	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 04:14	1
methyl isobutyl ketone	**0.13**	**J**	0.50	0.050	ppb v/v			04/07/16 04:14	1
Toluene	**3.7**		0.20	0.093	ppb v/v			04/07/16 04:14	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 04:14	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 04:14	1
Tetrachloroethene	**0.027**	**J**	0.20	0.023	ppb v/v			04/07/16 04:14	1
Methyl Butyl Ketone (2-Hexanone)	**0.24**	**J**	0.50	0.057	ppb v/v			04/07/16 04:14	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 04:14	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 04:14	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 04:14	1
Ethylbenzene	**0.34**		0.20	0.033	ppb v/v			04/07/16 04:14	1
m,p-Xylene	**0.61**		0.50	0.071	ppb v/v			04/07/16 04:14	1
Xylene, o-	**0.25**		0.20	0.037	ppb v/v			04/07/16 04:14	1
Xylene (total)	**0.86**		0.70	0.037	ppb v/v			04/07/16 04:14	1
Styrene	**0.24**		0.20	0.043	ppb v/v			04/07/16 04:14	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 04:14	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 04:14	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 04:14	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 04:14	1
4-Ethyltoluene	**0.066**	**J**	0.20	0.044	ppb v/v			04/07/16 04:14	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 04:14	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 04:14	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 04:14	1
1,2,4-Trimethylbenzene	**1.3**		0.20	0.043	ppb v/v			04/07/16 04:14	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 04:14	1

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	**1.3**		0.20	0.037	ppb v/v			04/07/16 04:14	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 04:14	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 04:14	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 04:14	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 04:14	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 04:14	1
1,2,4-Trichlorobenzene	**0.10**	**J**	0.50	0.068	ppb v/v			04/07/16 04:14	1
Hexachlorobutadiene	**0.14**	**J**	0.20	0.082	ppb v/v			04/07/16 04:14	1
Naphthalene	**0.14**	**J**	0.50	0.057	ppb v/v			04/07/16 04:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.3**	**J**	2.5	0.40	ug/m3			04/07/16 04:14	1
Freon 22	**1.4**	**J**	1.8	0.20	ug/m3			04/07/16 04:14	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 04:14	1
Chloromethane	**1.3**		1.0	0.19	ug/m3			04/07/16 04:14	1
n-Butane	**8.6**		1.2	0.19	ug/m3			04/07/16 04:14	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 04:14	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 04:14	1
Bromomethane	ND		0.78	0.22	ug/m3			04/07/16 04:14	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 04:14	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 04:14	1
Trichlorofluoromethane	**1.3**		1.1	0.21	ug/m3			04/07/16 04:14	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 04:14	1
1,1-Dichloroethene	**0.74**	**J**	0.79	0.14	ug/m3			04/07/16 04:14	1
Acetone	**140**	**E**	12	2.0	ug/m3			04/07/16 04:14	1
Isopropyl alcohol	**29**		12	2.4	ug/m3			04/07/16 04:14	1
Carbon disulfide	**5.4**		1.6	0.13	ug/m3			04/07/16 04:14	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 04:14	1
Methylene Chloride	**0.84**	**J**	1.7	0.63	ug/m3			04/07/16 04:14	1
tert-Butyl alcohol	**6.1**	**J**	15	2.6	ug/m3			04/07/16 04:14	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 04:14	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 04:14	1
n-Hexane	**1.3**		0.70	0.19	ug/m3			04/07/16 04:14	1
1,1-Dichloroethane	**0.47**	**J**	0.81	0.10	ug/m3			04/07/16 04:14	1
Methyl Ethyl Ketone	**3.3**		1.5	0.15	ug/m3			04/07/16 04:14	1
cis-1,2-Dichloroethene	**2.3**		0.79	0.14	ug/m3			04/07/16 04:14	1
1,2-Dichloroethene, Total	**2.3**		1.6	0.14	ug/m3			04/07/16 04:14	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 04:14	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 04:14	1
1,1,1-Trichloroethane	**9.9**		1.1	0.25	ug/m3			04/07/16 04:14	1
Cyclohexane	**0.42**	**J**	0.69	0.13	ug/m3			04/07/16 04:14	1
Carbon tetrachloride	**0.58**	**J**	1.3	0.20	ug/m3			04/07/16 04:14	1
2,2,4-Trimethylpentane	**0.28**	**J**	0.93	0.18	ug/m3			04/07/16 04:14	1
Benzene	**0.59**	**J**	0.64	0.13	ug/m3			04/07/16 04:14	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 04:14	1
n-Heptane	**4.1**		0.82	0.16	ug/m3			04/07/16 04:14	1
Trichloroethene	**8.4**		1.1	0.21	ug/m3			04/07/16 04:14	1
Methyl methacrylate	**3.3**		2.0	0.16	ug/m3			04/07/16 04:14	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 04:14	1

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
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
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 04:14	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 04:14	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 04:14	1
methyl isobutyl ketone	**0.54**	**J**	2.0	0.20	ug/m3			04/07/16 04:14	1
Toluene	**14**		0.75	0.35	ug/m3			04/07/16 04:14	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 04:14	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 04:14	1
Tetrachloroethene	**0.18**	**J**	1.4	0.16	ug/m3			04/07/16 04:14	1
Methyl Butyl Ketone (2-Hexanone)	**0.98**	**J**	2.0	0.23	ug/m3			04/07/16 04:14	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 04:14	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 04:14	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 04:14	1
Ethylbenzene	**1.5**		0.87	0.14	ug/m3			04/07/16 04:14	1
m,p-Xylene	**2.6**		2.2	0.31	ug/m3			04/07/16 04:14	1
Xylene, o-	**1.1**		0.87	0.16	ug/m3			04/07/16 04:14	1
Xylene (total)	**3.7**		3.0	0.16	ug/m3			04/07/16 04:14	1
Styrene	**1.0**		0.85	0.18	ug/m3			04/07/16 04:14	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 04:14	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 04:14	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 04:14	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 04:14	1
4-Ethyltoluene	**0.32**	**J**	0.98	0.22	ug/m3			04/07/16 04:14	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 04:14	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 04:14	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 04:14	1
1,2,4-Trimethylbenzene	**6.3**		0.98	0.21	ug/m3			04/07/16 04:14	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 04:14	1
4-Isopropyltoluene	**7.1**		1.1	0.20	ug/m3			04/07/16 04:14	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 04:14	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 04:14	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 04:14	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/07/16 04:14	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 04:14	1
1,2,4-Trichlorobenzene	**0.76**	**J**	3.7	0.50	ug/m3			04/07/16 04:14	1
Hexachlorobutadiene	**1.5**	**J**	2.1	0.87	ug/m3			04/07/16 04:14	1
Naphthalene	**0.74**	**J**	2.6	0.30	ug/m3			04/07/16 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.50**	**J**	1.3	0.20	ppb v/v			04/08/16 09:24	2.5
Freon 22	**0.56**	**J**	1.3	0.14	ppb v/v			04/08/16 09:24	2.5
1,2-Dichlorotetrafluoroethane	ND		0.50	0.095	ppb v/v			04/08/16 09:24	2.5
Chloromethane	**0.76**	**J**	1.3	0.23	ppb v/v			04/08/16 09:24	2.5
n-Butane	**4.4**		1.3	0.20	ppb v/v			04/08/16 09:24	2.5
Vinyl chloride	ND		0.50	0.080	ppb v/v			04/08/16 09:24	2.5
1,3-Butadiene	ND		0.50	0.22	ppb v/v			04/08/16 09:24	2.5
Bromomethane	ND		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
Chloroethane	ND		1.3	0.21	ppb v/v			04/08/16 09:24	2.5
Bromoethene(Vinyl Bromide)	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**0.23**	**J**	0.50	0.095	ppb v/v			04/08/16 09:24	2.5
Freon TF	ND		0.50	0.19	ppb v/v			04/08/16 09:24	2.5
1,1-Dichloroethene	**0.24**	**J**	0.50	0.090	ppb v/v			04/08/16 09:24	2.5
Acetone	**77**		13	2.2	ppb v/v			04/08/16 09:24	2.5
Isopropyl alcohol	**15**		13	2.5	ppb v/v			04/08/16 09:24	2.5
Carbon disulfide	**2.2**		1.3	0.11	ppb v/v			04/08/16 09:24	2.5
3-Chloropropene	ND		1.3	0.17	ppb v/v			04/08/16 09:24	2.5
Methylene Chloride	**0.51**	**J**	1.3	0.45	ppb v/v			04/08/16 09:24	2.5
tert-Butyl alcohol	ND		13	2.1	ppb v/v			04/08/16 09:24	2.5
Methyl tert-butyl ether	ND		0.50	0.22	ppb v/v			04/08/16 09:24	2.5
trans-1,2-Dichloroethene	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
n-Hexane	**0.54**		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
1,1-Dichloroethane	**0.14**	**J**	0.50	0.063	ppb v/v			04/08/16 09:24	2.5
Methyl Ethyl Ketone	**1.1**	**J**	1.3	0.13	ppb v/v			04/08/16 09:24	2.5
cis-1,2-Dichloroethene	**0.67**		0.50	0.088	ppb v/v			04/08/16 09:24	2.5
1,2-Dichloroethene, Total	**0.67**	**J**	1.0	0.088	ppb v/v			04/08/16 09:24	2.5
Chloroform	ND		0.50	0.21	ppb v/v			04/08/16 09:24	2.5
Tetrahydrofuran	ND		13	3.5	ppb v/v			04/08/16 09:24	2.5
1,1,1-Trichloroethane	**1.5**		0.50	0.12	ppb v/v			04/08/16 09:24	2.5
Cyclohexane	ND		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
Carbon tetrachloride	ND		0.50	0.080	ppb v/v			04/08/16 09:24	2.5
2,2,4-Trimethylpentane	ND		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
Benzene	**0.20**	**J**	0.50	0.11	ppb v/v			04/08/16 09:24	2.5
1,2-Dichloroethane	ND		0.50	0.10	ppb v/v			04/08/16 09:24	2.5
n-Heptane	**1.1**		0.50	0.10	ppb v/v			04/08/16 09:24	2.5
Trichloroethene	**1.3**		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
Methyl methacrylate	**0.66**	**J**	1.3	0.10	ppb v/v			04/08/16 09:24	2.5
1,2-Dichloropropane	ND		0.50	0.068	ppb v/v			04/08/16 09:24	2.5
1,4-Dioxane	ND		13	1.4	ppb v/v			04/08/16 09:24	2.5
Bromodichloromethane	ND		0.50	0.075	ppb v/v			04/08/16 09:24	2.5
cis-1,3-Dichloropropene	ND		0.50	0.058	ppb v/v			04/08/16 09:24	2.5
methyl isobutyl ketone	ND		1.3	0.13	ppb v/v			04/08/16 09:24	2.5
Toluene	**3.3**		0.50	0.23	ppb v/v			04/08/16 09:24	2.5
trans-1,3-Dichloropropene	ND		0.50	0.085	ppb v/v			04/08/16 09:24	2.5
1,1,2-Trichloroethane	ND		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
Tetrachloroethene	ND		0.50	0.058	ppb v/v			04/08/16 09:24	2.5
Methyl Butyl Ketone (2-Hexanone)	ND		1.3	0.14	ppb v/v			04/08/16 09:24	2.5
Dibromochloromethane	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
1,2-Dibromoethane	ND		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
Chlorobenzene	ND		0.50	0.12	ppb v/v			04/08/16 09:24	2.5
Ethylbenzene	**0.27**	**J**	0.50	0.083	ppb v/v			04/08/16 09:24	2.5
m,p-Xylene	**0.52**	**J**	1.3	0.18	ppb v/v			04/08/16 09:24	2.5
Xylene, o-	**0.20**	**J**	0.50	0.093	ppb v/v			04/08/16 09:24	2.5
Xylene (total)	**0.72**	**J**	1.8	0.093	ppb v/v			04/08/16 09:24	2.5
Styrene	**0.13**	**J**	0.50	0.11	ppb v/v			04/08/16 09:24	2.5
Bromoform	ND		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
Cumene	ND		0.50	0.075	ppb v/v			04/08/16 09:24	2.5
1,1,2,2-Tetrachloroethane	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
4-Ethyltoluene	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
1,3,5-Trimethylbenzene	ND		0.50	0.098	ppb v/v			04/08/16 09:24	2.5
2-Chlorotoluene	ND		0.50	0.083	ppb v/v			04/08/16 09:24	2.5
tert-Butylbenzene	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
1,2,4-Trimethylbenzene	**0.93**		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
sec-Butylbenzene	ND		0.50	0.11	ppb v/v			04/08/16 09:24	2.5
4-Isopropyltoluene	**0.78**		0.50	0.093	ppb v/v			04/08/16 09:24	2.5
1,3-Dichlorobenzene	ND		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
1,4-Dichlorobenzene	ND		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
Benzyl chloride	ND		0.50	0.13	ppb v/v			04/08/16 09:24	2.5
n-Butylbenzene	ND		0.50	0.12	ppb v/v			04/08/16 09:24	2.5
1,2-Dichlorobenzene	ND		0.50	0.14	ppb v/v			04/08/16 09:24	2.5
1,2,4-Trichlorobenzene	ND		1.3	0.17	ppb v/v			04/08/16 09:24	2.5
Hexachlorobutadiene	ND		0.50	0.21	ppb v/v			04/08/16 09:24	2.5
Naphthalene	ND	*	1.3	0.14	ppb v/v			04/08/16 09:24	2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**	**J**	6.2	0.99	ug/m3			04/08/16 09:24	2.5
Freon 22	**2.0**	**J**	4.4	0.50	ug/m3			04/08/16 09:24	2.5
1,2-Dichlorotetrafluoroethane	ND		3.5	0.66	ug/m3			04/08/16 09:24	2.5
Chloromethane	**1.6**	**J**	2.6	0.48	ug/m3			04/08/16 09:24	2.5
n-Butane	**11**		3.0	0.46	ug/m3			04/08/16 09:24	2.5
Vinyl chloride	ND		1.3	0.20	ug/m3			04/08/16 09:24	2.5
1,3-Butadiene	ND		1.1	0.49	ug/m3			04/08/16 09:24	2.5
Bromomethane	ND		1.9	0.54	ug/m3			04/08/16 09:24	2.5
Chloroethane	ND		3.3	0.56	ug/m3			04/08/16 09:24	2.5
Bromoethene(Vinyl Bromide)	ND		2.2	0.48	ug/m3			04/08/16 09:24	2.5
Trichlorofluoromethane	**1.3**	**J**	2.8	0.53	ug/m3			04/08/16 09:24	2.5
Freon TF	ND		3.8	1.4	ug/m3			04/08/16 09:24	2.5
1,1-Dichloroethene	**0.96**	**J**	2.0	0.36	ug/m3			04/08/16 09:24	2.5
Acetone	**180**		30	5.1	ug/m3			04/08/16 09:24	2.5
Isopropyl alcohol	**36**		31	6.0	ug/m3			04/08/16 09:24	2.5
Carbon disulfide	**6.7**		3.9	0.33	ug/m3			04/08/16 09:24	2.5
3-Chloropropene	ND		3.9	0.53	ug/m3			04/08/16 09:24	2.5
Methylene Chloride	**1.8**	**J**	4.3	1.6	ug/m3			04/08/16 09:24	2.5
tert-Butyl alcohol	ND		38	6.4	ug/m3			04/08/16 09:24	2.5
Methyl tert-butyl ether	ND		1.8	0.80	ug/m3			04/08/16 09:24	2.5
trans-1,2-Dichloroethene	ND		2.0	0.43	ug/m3			04/08/16 09:24	2.5
n-Hexane	**1.9**		1.8	0.48	ug/m3			04/08/16 09:24	2.5
1,1-Dichloroethane	**0.59**	**J**	2.0	0.25	ug/m3			04/08/16 09:24	2.5
Methyl Ethyl Ketone	**3.1**	**J**	3.7	0.38	ug/m3			04/08/16 09:24	2.5
cis-1,2-Dichloroethene	**2.6**		2.0	0.35	ug/m3			04/08/16 09:24	2.5
1,2-Dichloroethene, Total	**2.7**	**J**	4.0	0.35	ug/m3			04/08/16 09:24	2.5
Chloroform	ND		2.4	1.0	ug/m3			04/08/16 09:24	2.5
Tetrahydrofuran	ND		37	10	ug/m3			04/08/16 09:24	2.5
1,1,1-Trichloroethane	**8.1**		2.7	0.63	ug/m3			04/08/16 09:24	2.5
Cyclohexane	ND		1.7	0.34	ug/m3			04/08/16 09:24	2.5
Carbon tetrachloride	ND		3.1	0.50	ug/m3			04/08/16 09:24	2.5

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-3A

Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		2.3	0.46	ug/m3			04/08/16 09:24	2.5
Benzene	**0.64**	**J**	1.6	0.34	ug/m3			04/08/16 09:24	2.5
1,2-Dichloroethane	ND		2.0	0.41	ug/m3			04/08/16 09:24	2.5
n-Heptane	**4.6**		2.0	0.41	ug/m3			04/08/16 09:24	2.5
Trichloroethene	**6.8**		2.7	0.52	ug/m3			04/08/16 09:24	2.5
Methyl methacrylate	**2.7**	**J**	5.1	0.41	ug/m3			04/08/16 09:24	2.5
1,2-Dichloropropane	ND		2.3	0.31	ug/m3			04/08/16 09:24	2.5
1,4-Dioxane	ND		45	5.0	ug/m3			04/08/16 09:24	2.5
Bromodichloromethane	ND		3.4	0.50	ug/m3			04/08/16 09:24	2.5
cis-1,3-Dichloropropene	ND		2.3	0.26	ug/m3			04/08/16 09:24	2.5
methyl isobutyl ketone	ND		5.1	0.51	ug/m3			04/08/16 09:24	2.5
Toluene	**12**		1.9	0.88	ug/m3			04/08/16 09:24	2.5
trans-1,3-Dichloropropene	ND		2.3	0.39	ug/m3			04/08/16 09:24	2.5
1,1,2-Trichloroethane	ND		2.7	0.53	ug/m3			04/08/16 09:24	2.5
Tetrachloroethene	ND		3.4	0.39	ug/m3			04/08/16 09:24	2.5
Methyl Butyl Ketone (2-Hexanone)	ND		5.1	0.58	ug/m3			04/08/16 09:24	2.5
Dibromochloromethane	ND		4.3	0.94	ug/m3			04/08/16 09:24	2.5
1,2-Dibromoethane	ND		3.8	0.75	ug/m3			04/08/16 09:24	2.5
Chlorobenzene	ND		2.3	0.56	ug/m3			04/08/16 09:24	2.5
Ethylbenzene	**1.2**	**J**	2.2	0.36	ug/m3			04/08/16 09:24	2.5
m,p-Xylene	**2.2**	**J**	5.4	0.77	ug/m3			04/08/16 09:24	2.5
Xylene, o-	**0.86**	**J**	2.2	0.40	ug/m3			04/08/16 09:24	2.5
Xylene (total)	**3.1**	**J**	7.6	0.40	ug/m3			04/08/16 09:24	2.5
Styrene	**0.57**	**J**	2.1	0.46	ug/m3			04/08/16 09:24	2.5
Bromoform	ND		5.2	1.4	ug/m3			04/08/16 09:24	2.5
Cumene	ND		2.5	0.37	ug/m3			04/08/16 09:24	2.5
1,1,2,2-Tetrachloroethane	ND		3.4	0.76	ug/m3			04/08/16 09:24	2.5
n-Propylbenzene	ND		2.5	0.53	ug/m3			04/08/16 09:24	2.5
4-Ethyltoluene	ND		2.5	0.54	ug/m3			04/08/16 09:24	2.5
1,3,5-Trimethylbenzene	ND		2.5	0.48	ug/m3			04/08/16 09:24	2.5
2-Chlorotoluene	ND		2.6	0.43	ug/m3			04/08/16 09:24	2.5
tert-Butylbenzene	ND		2.7	0.60	ug/m3			04/08/16 09:24	2.5
1,2,4-Trimethylbenzene	**4.6**		2.5	0.53	ug/m3			04/08/16 09:24	2.5
sec-Butylbenzene	ND		2.7	0.60	ug/m3			04/08/16 09:24	2.5
4-Isopropyltoluene	**4.3**		2.7	0.51	ug/m3			04/08/16 09:24	2.5
1,3-Dichlorobenzene	ND		3.0	0.83	ug/m3			04/08/16 09:24	2.5
1,4-Dichlorobenzene	ND		3.0	0.86	ug/m3			04/08/16 09:24	2.5
Benzyl chloride	ND		2.6	0.69	ug/m3			04/08/16 09:24	2.5
n-Butylbenzene	ND		2.7	0.65	ug/m3			04/08/16 09:24	2.5
1,2-Dichlorobenzene	ND		3.0	0.83	ug/m3			04/08/16 09:24	2.5
1,2,4-Trichlorobenzene	ND		9.3	1.3	ug/m3			04/08/16 09:24	2.5
Hexachlorobutadiene	ND		5.3	2.2	ug/m3			04/08/16 09:24	2.5
Naphthalene	ND	*	6.6	0.75	ug/m3			04/08/16 09:24	2.5

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 05:08	1
Freon 22	**0.96**		0.50	0.057	ppb v/v			04/07/16 05:08	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 05:08	1
Chloromethane	**0.71**		0.50	0.093	ppb v/v			04/07/16 05:08	1
n-Butane	**3.8**		0.50	0.078	ppb v/v			04/07/16 05:08	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 05:08	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 05:08	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/07/16 05:08	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 05:08	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 05:08	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			04/07/16 05:08	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 05:08	1
1,1-Dichloroethene	**0.20**		0.20	0.036	ppb v/v			04/07/16 05:08	1
Acetone	**51**	**E**	5.0	0.86	ppb v/v			04/07/16 05:08	1
Isopropyl alcohol	**7.5**		5.0	0.98	ppb v/v			04/07/16 05:08	1
Carbon disulfide	**2.9**		0.50	0.043	ppb v/v			04/07/16 05:08	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 05:08	1
Methylene Chloride	**0.28**	**J**	0.50	0.18	ppb v/v			04/07/16 05:08	1
tert-Butyl alcohol	**2.0**	**J**	5.0	0.85	ppb v/v			04/07/16 05:08	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 05:08	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 05:08	1
n-Hexane	**0.29**		0.20	0.054	ppb v/v			04/07/16 05:08	1
1,1-Dichloroethane	**0.11**	**J**	0.20	0.025	ppb v/v			04/07/16 05:08	1
Methyl Ethyl Ketone	**0.89**		0.50	0.052	ppb v/v			04/07/16 05:08	1
cis-1,2-Dichloroethene	**0.63**		0.20	0.035	ppb v/v			04/07/16 05:08	1
1,2-Dichloroethene, Total	**0.63**		0.40	0.035	ppb v/v			04/07/16 05:08	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 05:08	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 05:08	1
1,1,1-Trichloroethane	**1.9**		0.20	0.046	ppb v/v			04/07/16 05:08	1
Cyclohexane	**0.15**	**J**	0.20	0.039	ppb v/v			04/07/16 05:08	1
Carbon tetrachloride	**0.084**	**J**	0.20	0.032	ppb v/v			04/07/16 05:08	1
2,2,4-Trimethylpentane	**0.069**	**J**	0.20	0.039	ppb v/v			04/07/16 05:08	1
Benzene	**0.19**	**J**	0.20	0.042	ppb v/v			04/07/16 05:08	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 05:08	1
n-Heptane	**0.73**		0.20	0.040	ppb v/v			04/07/16 05:08	1
Trichloroethene	**1.5**		0.20	0.039	ppb v/v			04/07/16 05:08	1
Methyl methacrylate	**0.16**	**J**	0.50	0.040	ppb v/v			04/07/16 05:08	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 05:08	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 05:08	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 05:08	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 05:08	1
methyl isobutyl ketone	**0.11**	**J**	0.50	0.050	ppb v/v			04/07/16 05:08	1
Toluene	**3.0**		0.20	0.093	ppb v/v			04/07/16 05:08	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 05:08	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 05:08	1
Tetrachloroethene	**0.83**		0.20	0.023	ppb v/v			04/07/16 05:08	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 05:08	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 05:08	1

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 05:08	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 05:08	1
Ethylbenzene	**0.26**		0.20	0.033	ppb v/v			04/07/16 05:08	1
m,p-Xylene	**0.73**		0.50	0.071	ppb v/v			04/07/16 05:08	1
Xylene, o-	**0.27**		0.20	0.037	ppb v/v			04/07/16 05:08	1
Xylene (total)	**1.0**		0.70	0.037	ppb v/v			04/07/16 05:08	1
Styrene	**0.25**		0.20	0.043	ppb v/v			04/07/16 05:08	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 05:08	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 05:08	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 05:08	1
n-Propylbenzene	**0.051**	**J**	0.20	0.043	ppb v/v			04/07/16 05:08	1
4-Ethyltoluene	**0.069**	**J**	0.20	0.044	ppb v/v			04/07/16 05:08	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 05:08	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 05:08	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 05:08	1
1,2,4-Trimethylbenzene	**1.0**		0.20	0.043	ppb v/v			04/07/16 05:08	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 05:08	1
4-Isopropyltoluene	**0.75**		0.20	0.037	ppb v/v			04/07/16 05:08	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 05:08	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 05:08	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 05:08	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 05:08	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 05:08	1
1,2,4-Trichlorobenzene	**0.090**	**J**	0.50	0.068	ppb v/v			04/07/16 05:08	1
Hexachlorobutadiene	**0.12**	**J**	0.20	0.082	ppb v/v			04/07/16 05:08	1
Naphthalene	**0.10**	**J**	0.50	0.057	ppb v/v			04/07/16 05:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.40	ug/m3			04/07/16 05:08	1
Freon 22	**3.4**		1.8	0.20	ug/m3			04/07/16 05:08	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 05:08	1
Chloromethane	**1.5**		1.0	0.19	ug/m3			04/07/16 05:08	1
n-Butane	**9.1**		1.2	0.19	ug/m3			04/07/16 05:08	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 05:08	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 05:08	1
Bromomethane	ND		0.78	0.22	ug/m3			04/07/16 05:08	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 05:08	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 05:08	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			04/07/16 05:08	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 05:08	1
1,1-Dichloroethene	**0.78**		0.79	0.14	ug/m3			04/07/16 05:08	1
Acetone	**120**	**E**	12	2.0	ug/m3			04/07/16 05:08	1
Isopropyl alcohol	**18**		12	2.4	ug/m3			04/07/16 05:08	1
Carbon disulfide	**9.0**		1.6	0.13	ug/m3			04/07/16 05:08	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 05:08	1
Methylene Chloride	**0.97**	**J**	1.7	0.63	ug/m3			04/07/16 05:08	1
tert-Butyl alcohol	**6.0**	**J**	15	2.6	ug/m3			04/07/16 05:08	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 05:08	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 05:08	1

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Matrix: Air
Date Received: 04/05/16 10:15
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	1.0		0.70	0.19	ug/m3			04/07/16 05:08	1
1,1-Dichloroethane	0.44	J	0.81	0.10	ug/m3			04/07/16 05:08	1
Methyl Ethyl Ketone	2.6		1.5	0.15	ug/m3			04/07/16 05:08	1
cis-1,2-Dichloroethene	2.5		0.79	0.14	ug/m3			04/07/16 05:08	1
1,2-Dichloroethene, Total	2.5		1.6	0.14	ug/m3			04/07/16 05:08	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 05:08	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 05:08	1
1,1,1-Trichloroethane	10		1.1	0.25	ug/m3			04/07/16 05:08	1
Cyclohexane	0.52	J	0.69	0.13	ug/m3			04/07/16 05:08	1
Carbon tetrachloride	0.53	J	1.3	0.20	ug/m3			04/07/16 05:08	1
2,2,4-Trimethylpentane	0.32	J	0.93	0.18	ug/m3			04/07/16 05:08	1
Benzene	0.61	J	0.64	0.13	ug/m3			04/07/16 05:08	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 05:08	1
n-Heptane	3.0		0.82	0.16	ug/m3			04/07/16 05:08	1
Trichloroethene	7.8		1.1	0.21	ug/m3			04/07/16 05:08	1
Methyl methacrylate	0.65	J	2.0	0.16	ug/m3			04/07/16 05:08	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 05:08	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 05:08	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 05:08	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 05:08	1
methyl isobutyl ketone	0.44	J	2.0	0.20	ug/m3			04/07/16 05:08	1
Toluene	11		0.75	0.35	ug/m3			04/07/16 05:08	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 05:08	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 05:08	1
Tetrachloroethene	5.6		1.4	0.16	ug/m3			04/07/16 05:08	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 05:08	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 05:08	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 05:08	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 05:08	1
Ethylbenzene	1.1		0.87	0.14	ug/m3			04/07/16 05:08	1
m,p-Xylene	3.2		2.2	0.31	ug/m3			04/07/16 05:08	1
Xylene, o-	1.2		0.87	0.16	ug/m3			04/07/16 05:08	1
Xylene (total)	4.3		3.0	0.16	ug/m3			04/07/16 05:08	1
Styrene	1.1		0.85	0.18	ug/m3			04/07/16 05:08	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 05:08	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 05:08	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 05:08	1
n-Propylbenzene	0.25	J	0.98	0.21	ug/m3			04/07/16 05:08	1
4-Ethyltoluene	0.34	J	0.98	0.22	ug/m3			04/07/16 05:08	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 05:08	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 05:08	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 05:08	1
1,2,4-Trimethylbenzene	4.9		0.98	0.21	ug/m3			04/07/16 05:08	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 05:08	1
4-Isopropyltoluene	4.1		1.1	0.20	ug/m3			04/07/16 05:08	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 05:08	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 05:08	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 05:08	1

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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			04/07/16 05:08	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 05:08	1
1,2,4-Trichlorobenzene	**0.67**	**J**	3.7	0.50	ug/m3			04/07/16 05:08	1
Hexachlorobutadiene	**1.2**	**J**	2.1	0.87	ug/m3			04/07/16 05:08	1
Naphthalene	**0.54**	**J**	2.6	0.30	ug/m3			04/07/16 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.45**	**J**	1.0	0.16	ppb v/v			04/08/16 10:15	2
Freon 22	**1.2**		1.0	0.11	ppb v/v			04/08/16 10:15	2
1,2-Dichlorotetrafluoroethane	ND		0.40	0.076	ppb v/v			04/08/16 10:15	2
Chloromethane	**0.75**	**J**	1.0	0.19	ppb v/v			04/08/16 10:15	2
n-Butane	**4.1**		1.0	0.16	ppb v/v			04/08/16 10:15	2
Vinyl chloride	ND		0.40	0.064	ppb v/v			04/08/16 10:15	2
1,3-Butadiene	ND		0.40	0.18	ppb v/v			04/08/16 10:15	2
Bromomethane	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
Chloroethane	ND		1.0	0.17	ppb v/v			04/08/16 10:15	2
Bromoethene(Vinyl Bromide)	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
Trichlorofluoromethane	**0.20**	**J**	0.40	0.076	ppb v/v			04/08/16 10:15	2
Freon TF	ND		0.40	0.15	ppb v/v			04/08/16 10:15	2
1,1-Dichloroethene	**0.24**	**J**	0.40	0.072	ppb v/v			04/08/16 10:15	2
Acetone	**69**		10	1.7	ppb v/v			04/08/16 10:15	2
Isopropyl alcohol	**9.1**	**J**	10	2.0	ppb v/v			04/08/16 10:15	2
Carbon disulfide	**3.1**		1.0	0.086	ppb v/v			04/08/16 10:15	2
3-Chloropropene	ND		1.0	0.14	ppb v/v			04/08/16 10:15	2
Methylene Chloride	**0.49**	**J**	1.0	0.36	ppb v/v			04/08/16 10:15	2
tert-Butyl alcohol	**2.0**	**J**	10	1.7	ppb v/v			04/08/16 10:15	2
Methyl tert-butyl ether	ND		0.40	0.18	ppb v/v			04/08/16 10:15	2
trans-1,2-Dichloroethene	ND		0.40	0.086	ppb v/v			04/08/16 10:15	2
n-Hexane	**0.45**		0.40	0.11	ppb v/v			04/08/16 10:15	2
1,1-Dichloroethane	**0.14**	**J**	0.40	0.050	ppb v/v			04/08/16 10:15	2
Methyl Ethyl Ketone	**0.95**	**J**	1.0	0.10	ppb v/v			04/08/16 10:15	2
cis-1,2-Dichloroethene	**0.65**		0.40	0.070	ppb v/v			04/08/16 10:15	2
1,2-Dichloroethene, Total	**0.65**	**J**	0.80	0.070	ppb v/v			04/08/16 10:15	2
Chloroform	ND		0.40	0.16	ppb v/v			04/08/16 10:15	2
Tetrahydrofuran	ND		10	2.8	ppb v/v			04/08/16 10:15	2
1,1,1-Trichloroethane	**1.5**		0.40	0.092	ppb v/v			04/08/16 10:15	2
Cyclohexane	ND		0.40	0.078	ppb v/v			04/08/16 10:15	2
Carbon tetrachloride	ND		0.40	0.064	ppb v/v			04/08/16 10:15	2
2,2,4-Trimethylpentane	**0.094**	**J**	0.40	0.078	ppb v/v			04/08/16 10:15	2
Benzene	**0.21**	**J**	0.40	0.084	ppb v/v			04/08/16 10:15	2
1,2-Dichloroethane	ND		0.40	0.082	ppb v/v			04/08/16 10:15	2
n-Heptane	**0.87**		0.40	0.080	ppb v/v			04/08/16 10:15	2
Trichloroethene	**1.2**		0.40	0.078	ppb v/v			04/08/16 10:15	2
Methyl methacrylate	ND		1.0	0.080	ppb v/v			04/08/16 10:15	2
1,2-Dichloropropane	ND		0.40	0.054	ppb v/v			04/08/16 10:15	2
1,4-Dioxane	ND		10	1.1	ppb v/v			04/08/16 10:15	2
Bromodichloromethane	ND		0.40	0.060	ppb v/v			04/08/16 10:15	2
cis-1,3-Dichloropropene	ND		0.40	0.046	ppb v/v			04/08/16 10:15	2

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
methyl isobutyl ketone	ND		1.0	0.10	ppb v/v			04/08/16 10:15	2
Toluene	**2.9**		0.40	0.19	ppb v/v			04/08/16 10:15	2
trans-1,3-Dichloropropene	ND		0.40	0.068	ppb v/v			04/08/16 10:15	2
1,1,2-Trichloroethane	ND		0.40	0.078	ppb v/v			04/08/16 10:15	2
Tetrachloroethene	**0.55**		0.40	0.046	ppb v/v			04/08/16 10:15	2
Methyl Butyl Ketone (2-Hexanone)	ND		1.0	0.11	ppb v/v			04/08/16 10:15	2
Dibromochloromethane	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
1,2-Dibromoethane	ND		0.40	0.078	ppb v/v			04/08/16 10:15	2
Chlorobenzene	ND		0.40	0.098	ppb v/v			04/08/16 10:15	2
Ethylbenzene	**0.21**	**J**	0.40	0.066	ppb v/v			04/08/16 10:15	2
m,p-Xylene	**0.61**	**J**	1.0	0.14	ppb v/v			04/08/16 10:15	2
Xylene, o-	**0.23**	**J**	0.40	0.074	ppb v/v			04/08/16 10:15	2
Xylene (total)	**0.84**	**J**	1.4	0.074	ppb v/v			04/08/16 10:15	2
Styrene	**0.17**	**J**	0.40	0.086	ppb v/v			04/08/16 10:15	2
Bromoform	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
Cumene	ND		0.40	0.060	ppb v/v			04/08/16 10:15	2
1,1,2,2-Tetrachloroethane	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
n-Propylbenzene	ND		0.40	0.086	ppb v/v			04/08/16 10:15	2
4-Ethyltoluene	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
1,3,5-Trimethylbenzene	ND		0.40	0.078	ppb v/v			04/08/16 10:15	2
2-Chlorotoluene	ND		0.40	0.066	ppb v/v			04/08/16 10:15	2
tert-Butylbenzene	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
1,2,4-Trimethylbenzene	**0.80**		0.40	0.086	ppb v/v			04/08/16 10:15	2
sec-Butylbenzene	ND		0.40	0.088	ppb v/v			04/08/16 10:15	2
4-Isopropyltoluene	**0.53**		0.40	0.074	ppb v/v			04/08/16 10:15	2
1,3-Dichlorobenzene	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
1,4-Dichlorobenzene	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
Benzyl chloride	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
n-Butylbenzene	ND		0.40	0.094	ppb v/v			04/08/16 10:15	2
1,2-Dichlorobenzene	ND		0.40	0.11	ppb v/v			04/08/16 10:15	2
1,2,4-Trichlorobenzene	ND		1.0	0.14	ppb v/v			04/08/16 10:15	2
Hexachlorobutadiene	ND		0.40	0.16	ppb v/v			04/08/16 10:15	2
Naphthalene	ND	*	1.0	0.11	ppb v/v			04/08/16 10:15	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	4.9	0.79	ug/m3			04/08/16 10:15	2
Freon 22	**4.4**		3.5	0.40	ug/m3			04/08/16 10:15	2
1,2-Dichlorotetrafluoroethane	ND		2.8	0.53	ug/m3			04/08/16 10:15	2
Chloromethane	**1.6**	**J**	2.1	0.38	ug/m3			04/08/16 10:15	2
n-Butane	**9.8**		2.4	0.37	ug/m3			04/08/16 10:15	2
Vinyl chloride	ND		1.0	0.16	ug/m3			04/08/16 10:15	2
1,3-Butadiene	ND		0.88	0.39	ug/m3			04/08/16 10:15	2
Bromomethane	ND		1.6	0.43	ug/m3			04/08/16 10:15	2
Chloroethane	ND		2.6	0.45	ug/m3			04/08/16 10:15	2
Bromoethene(Vinyl Bromide)	ND		1.7	0.38	ug/m3			04/08/16 10:15	2
Trichlorofluoromethane	**1.1**	**J**	2.2	0.43	ug/m3			04/08/16 10:15	2
Freon TF	ND		3.1	1.1	ug/m3			04/08/16 10:15	2
1,1-Dichloroethene	**0.96**	**J**	1.6	0.29	ug/m3			04/08/16 10:15	2
Acetone	**160**		24	4.1	ug/m3			04/08/16 10:15	2

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	**22**	**J**	25	4.8	ug/m3			04/08/16 10:15	2
Carbon disulfide	**9.6**		3.1	0.27	ug/m3			04/08/16 10:15	2
3-Chloropropene	ND		3.1	0.43	ug/m3			04/08/16 10:15	2
Methylene Chloride	**1.7**	**J**	3.5	1.3	ug/m3			04/08/16 10:15	2
tert-Butyl alcohol	**6.0**	**J**	30	5.2	ug/m3			04/08/16 10:15	2
Methyl tert-butyl ether	ND		1.4	0.64	ug/m3			04/08/16 10:15	2
trans-1,2-Dichloroethene	ND		1.6	0.34	ug/m3			04/08/16 10:15	2
n-Hexane	**1.6**		1.4	0.38	ug/m3			04/08/16 10:15	2
1,1-Dichloroethane	**0.57**	**J**	1.6	0.20	ug/m3			04/08/16 10:15	2
Methyl Ethyl Ketone	**2.8**	**J**	2.9	0.31	ug/m3			04/08/16 10:15	2
cis-1,2-Dichloroethene	**2.6**		1.6	0.28	ug/m3			04/08/16 10:15	2
1,2-Dichloroethene, Total	**2.6**	**J**	3.2	0.28	ug/m3			04/08/16 10:15	2
Chloroform	ND		2.0	0.80	ug/m3			04/08/16 10:15	2
Tetrahydrofuran	ND		29	8.3	ug/m3			04/08/16 10:15	2
1,1,1-Trichloroethane	**8.3**		2.2	0.50	ug/m3			04/08/16 10:15	2
Cyclohexane	ND		1.4	0.27	ug/m3			04/08/16 10:15	2
Carbon tetrachloride	ND		2.5	0.40	ug/m3			04/08/16 10:15	2
2,2,4-Trimethylpentane	**0.44**	**J**	1.9	0.36	ug/m3			04/08/16 10:15	2
Benzene	**0.67**	**J**	1.3	0.27	ug/m3			04/08/16 10:15	2
1,2-Dichloroethane	ND		1.6	0.33	ug/m3			04/08/16 10:15	2
n-Heptane	**3.6**		1.6	0.33	ug/m3			04/08/16 10:15	2
Trichloroethene	**6.2**		2.1	0.42	ug/m3			04/08/16 10:15	2
Methyl methacrylate	ND		4.1	0.33	ug/m3			04/08/16 10:15	2
1,2-Dichloropropane	ND		1.8	0.25	ug/m3			04/08/16 10:15	2
1,4-Dioxane	ND		36	4.0	ug/m3			04/08/16 10:15	2
Bromodichloromethane	ND		2.7	0.40	ug/m3			04/08/16 10:15	2
cis-1,3-Dichloropropene	ND		1.8	0.21	ug/m3			04/08/16 10:15	2
methyl isobutyl ketone	ND		4.1	0.41	ug/m3			04/08/16 10:15	2
Toluene	**11**		1.5	0.70	ug/m3			04/08/16 10:15	2
trans-1,3-Dichloropropene	ND		1.8	0.31	ug/m3			04/08/16 10:15	2
1,1,2-Trichloroethane	ND		2.2	0.43	ug/m3			04/08/16 10:15	2
Tetrachloroethene	**3.7**		2.7	0.31	ug/m3			04/08/16 10:15	2
Methyl Butyl Ketone (2-Hexanone)	ND		4.1	0.47	ug/m3			04/08/16 10:15	2
Dibromochloromethane	ND		3.4	0.75	ug/m3			04/08/16 10:15	2
1,2-Dibromoethane	ND		3.1	0.60	ug/m3			04/08/16 10:15	2
Chlorobenzene	ND		1.8	0.45	ug/m3			04/08/16 10:15	2
Ethylbenzene	**0.91**	**J**	1.7	0.29	ug/m3			04/08/16 10:15	2
m,p-Xylene	**2.6**	**J**	4.3	0.62	ug/m3			04/08/16 10:15	2
Xylene, o-	**0.99**	**J**	1.7	0.32	ug/m3			04/08/16 10:15	2
Xylene (total)	**3.6**	**J**	6.1	0.32	ug/m3			04/08/16 10:15	2
Styrene	**0.72**	**J**	1.7	0.37	ug/m3			04/08/16 10:15	2
Bromoform	ND		4.1	1.2	ug/m3			04/08/16 10:15	2
Cumene	ND		2.0	0.29	ug/m3			04/08/16 10:15	2
1,1,2,2-Tetrachloroethane	ND		2.7	0.60	ug/m3			04/08/16 10:15	2
n-Propylbenzene	ND		2.0	0.42	ug/m3			04/08/16 10:15	2
4-Ethyltoluene	ND		2.0	0.43	ug/m3			04/08/16 10:15	2
1,3,5-Trimethylbenzene	ND		2.0	0.38	ug/m3			04/08/16 10:15	2
2-Chlorotoluene	ND		2.1	0.34	ug/m3			04/08/16 10:15	2

Client Sample ID: HC-4A

Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00
Matrix: Air
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		2.2	0.48	ug/m3			04/08/16 10:15	2
1,2,4-Trimethylbenzene	**3.9**		2.0	0.42	ug/m3			04/08/16 10:15	2
sec-Butylbenzene	ND		2.2	0.48	ug/m3			04/08/16 10:15	2
4-Isopropyltoluene	**2.9**		2.2	0.41	ug/m3			04/08/16 10:15	2
1,3-Dichlorobenzene	ND		2.4	0.66	ug/m3			04/08/16 10:15	2
1,4-Dichlorobenzene	ND		2.4	0.69	ug/m3			04/08/16 10:15	2
Benzyl chloride	ND		2.1	0.55	ug/m3			04/08/16 10:15	2
n-Butylbenzene	ND		2.2	0.52	ug/m3			04/08/16 10:15	2
1,2-Dichlorobenzene	ND		2.4	0.66	ug/m3			04/08/16 10:15	2
1,2,4-Trichlorobenzene	ND		7.4	1.0	ug/m3			04/08/16 10:15	2
Hexachlorobutadiene	ND		4.3	1.7	ug/m3			04/08/16 10:15	2
Naphthalene	ND	*	5.2	0.60	ug/m3			04/08/16 10:15	2

Client Sample ID: HC-5A

Lab Sample ID: 200-32860-5

Date Collected: 04/02/16 16:50
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 06:01	1
Freon 22	**0.24**	**J**	0.50	0.057	ppb v/v			04/07/16 06:01	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 06:01	1
Chloromethane	**0.63**		0.50	0.093	ppb v/v			04/07/16 06:01	1
n-Butane	**2.7**		0.50	0.078	ppb v/v			04/07/16 06:01	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 06:01	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 06:01	1
Bromomethane	**0.10**	**J**	0.20	0.056	ppb v/v			04/07/16 06:01	1
Chloroethane	**0.11**	**J**	0.50	0.085	ppb v/v			04/07/16 06:01	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
Trichlorofluoromethane	**0.22**		0.20	0.038	ppb v/v			04/07/16 06:01	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 06:01	1
1,1-Dichloroethene	**1.2**		0.20	0.036	ppb v/v			04/07/16 06:01	1
Acetone	**35**		5.0	0.86	ppb v/v			04/07/16 06:01	1
Isopropyl alcohol	**3.8**	**J**	5.0	0.98	ppb v/v			04/07/16 06:01	1
Carbon disulfide	**0.64**		0.50	0.043	ppb v/v			04/07/16 06:01	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 06:01	1
Methylene Chloride	**1.1**		0.50	0.18	ppb v/v			04/07/16 06:01	1
tert-Butyl alcohol	**1.1**	**J**	5.0	0.85	ppb v/v			04/07/16 06:01	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 06:01	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 06:01	1
n-Hexane	**0.19**	**J**	0.20	0.054	ppb v/v			04/07/16 06:01	1
1,1-Dichloroethane	**0.66**		0.20	0.025	ppb v/v			04/07/16 06:01	1
Methyl Ethyl Ketone	**0.90**		0.50	0.052	ppb v/v			04/07/16 06:01	1
cis-1,2-Dichloroethene	**1.3**		0.20	0.035	ppb v/v			04/07/16 06:01	1
1,2-Dichloroethene, Total	**1.3**		0.40	0.035	ppb v/v			04/07/16 06:01	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 06:01	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 06:01	1
1,1,1-Trichloroethane	**20**		0.20	0.046	ppb v/v			04/07/16 06:01	1

Client Sample ID: HC-5A

Lab Sample ID: 200-32860-5

Date Collected: 04/02/16 16:50
Matrix: Air
Date Received: 04/05/16 10:15
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
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 06:01	1
Carbon tetrachloride	**0.079**	**J**	0.20	0.032	ppb v/v			04/07/16 06:01	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/07/16 06:01	1
Benzene	**0.10**	**J**	0.20	0.042	ppb v/v			04/07/16 06:01	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 06:01	1
n-Heptane	**0.42**		0.20	0.040	ppb v/v			04/07/16 06:01	1
Trichloroethene	**9.7**		0.20	0.039	ppb v/v			04/07/16 06:01	1
Methyl methacrylate	**0.67**		0.50	0.040	ppb v/v			04/07/16 06:01	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 06:01	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 06:01	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 06:01	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 06:01	1
methyl isobutyl ketone	**0.13**	**J**	0.50	0.050	ppb v/v			04/07/16 06:01	1
Toluene	**4.9**		0.20	0.093	ppb v/v			04/07/16 06:01	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 06:01	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 06:01	1
Tetrachloroethene	**0.023**	**J**	0.20	0.023	ppb v/v			04/07/16 06:01	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 06:01	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 06:01	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 06:01	1
Ethylbenzene	**0.15**	**J**	0.20	0.033	ppb v/v			04/07/16 06:01	1
m,p-Xylene	**0.40**	**J**	0.50	0.071	ppb v/v			04/07/16 06:01	1
Xylene, o-	**0.16**	**J**	0.20	0.037	ppb v/v			04/07/16 06:01	1
Xylene (total)	**0.56**	**J**	0.70	0.037	ppb v/v			04/07/16 06:01	1
Styrene	**0.10**	**J**	0.20	0.043	ppb v/v			04/07/16 06:01	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 06:01	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 06:01	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 06:01	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 06:01	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 06:01	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
1,2,4-Trimethylbenzene	**0.87**		0.20	0.043	ppb v/v			04/07/16 06:01	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 06:01	1
4-Isopropyltoluene	**0.73**		0.20	0.037	ppb v/v			04/07/16 06:01	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 06:01	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 06:01	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 06:01	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 06:01	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 06:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 06:01	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 06:01	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/07/16 06:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.40	ug/m3			04/07/16 06:01	1
Freon 22	**0.84**	**J**	1.8	0.20	ug/m3			04/07/16 06:01	1

Client Sample ID: HC-5A

Lab Sample ID: 200-32860-5

Date Collected: 04/02/16 16:50
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 06:01	1
Chloromethane	**1.3**		1.0	0.19	ug/m3			04/07/16 06:01	1
n-Butane	**6.4**		1.2	0.19	ug/m3			04/07/16 06:01	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 06:01	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 06:01	1
Bromomethane	**0.39**	**J**	0.78	0.22	ug/m3			04/07/16 06:01	1
Chloroethane	**0.29**	**J**	1.3	0.22	ug/m3			04/07/16 06:01	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 06:01	1
Trichlorofluoromethane	**1.2**		1.1	0.21	ug/m3			04/07/16 06:01	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 06:01	1
1,1-Dichloroethene	**4.9**		0.79	0.14	ug/m3			04/07/16 06:01	1
Acetone	**84**		12	2.0	ug/m3			04/07/16 06:01	1
Isopropyl alcohol	**9.4**	**J**	12	2.4	ug/m3			04/07/16 06:01	1
Carbon disulfide	**2.0**		1.6	0.13	ug/m3			04/07/16 06:01	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 06:01	1
Methylene Chloride	**3.7**		1.7	0.63	ug/m3			04/07/16 06:01	1
tert-Butyl alcohol	**3.2**	**J**	15	2.6	ug/m3			04/07/16 06:01	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 06:01	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 06:01	1
n-Hexane	**0.68**	**J**	0.70	0.19	ug/m3			04/07/16 06:01	1
1,1-Dichloroethane	**2.7**		0.81	0.10	ug/m3			04/07/16 06:01	1
Methyl Ethyl Ketone	**2.6**		1.5	0.15	ug/m3			04/07/16 06:01	1
cis-1,2-Dichloroethene	**5.0**		0.79	0.14	ug/m3			04/07/16 06:01	1
1,2-Dichloroethene, Total	**5.2**		1.6	0.14	ug/m3			04/07/16 06:01	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 06:01	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 06:01	1
1,1,1-Trichloroethane	**110**		1.1	0.25	ug/m3			04/07/16 06:01	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 06:01	1
Carbon tetrachloride	**0.50**	**J**	1.3	0.20	ug/m3			04/07/16 06:01	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/07/16 06:01	1
Benzene	**0.33**	**J**	0.64	0.13	ug/m3			04/07/16 06:01	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 06:01	1
n-Heptane	**1.7**		0.82	0.16	ug/m3			04/07/16 06:01	1
Trichloroethene	**52**		1.1	0.21	ug/m3			04/07/16 06:01	1
Methyl methacrylate	**2.7**		2.0	0.16	ug/m3			04/07/16 06:01	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 06:01	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 06:01	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 06:01	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 06:01	1
methyl isobutyl ketone	**0.51**	**J**	2.0	0.20	ug/m3			04/07/16 06:01	1
Toluene	**18**		0.75	0.35	ug/m3			04/07/16 06:01	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 06:01	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 06:01	1
Tetrachloroethene	**0.15**	**J**	1.4	0.16	ug/m3			04/07/16 06:01	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 06:01	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 06:01	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 06:01	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 06:01	1

Client Sample ID: HC-5A

Lab Sample ID: 200-32860-5

Date Collected: 04/02/16 16:50
Matrix: Air
Date Received: 04/05/16 10:15
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
Ethylbenzene	**0.63**	**J**	0.87	0.14	ug/m3			04/07/16 06:01	1
m,p-Xylene	**1.7**	**J**	2.2	0.31	ug/m3			04/07/16 06:01	1
Xylene, o-	**0.70**	**J**	0.87	0.16	ug/m3			04/07/16 06:01	1
Xylene (total)	**2.4**	**J**	3.0	0.16	ug/m3			04/07/16 06:01	1
Styrene	**0.44**	**J**	0.85	0.18	ug/m3			04/07/16 06:01	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 06:01	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 06:01	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 06:01	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 06:01	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 06:01	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 06:01	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 06:01	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 06:01	1
1,2,4-Trimethylbenzene	**4.3**		0.98	0.21	ug/m3			04/07/16 06:01	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 06:01	1
4-Isopropyltoluene	**4.0**		1.1	0.20	ug/m3			04/07/16 06:01	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 06:01	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 06:01	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 06:01	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/07/16 06:01	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 06:01	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 06:01	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 06:01	1
Naphthalene	ND		2.6	0.30	ug/m3			04/07/16 06:01	1

Client Sample ID: HC-6A

Lab Sample ID: 200-32860-6

Date Collected: 04/02/16 16:45
Matrix: Air
Date Received: 04/05/16 10:15
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	**0.48**	**J**	0.50	0.080	ppb v/v			04/07/16 07:08	1
Freon 22	**0.28**	**J**	0.50	0.057	ppb v/v			04/07/16 07:08	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 07:08	1
Chloromethane	**0.77**		0.50	0.093	ppb v/v			04/07/16 07:08	1
n-Butane	**1.5**		0.50	0.078	ppb v/v			04/07/16 07:08	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 07:08	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 07:08	1
Bromomethane	**0.10**	**J**	0.20	0.056	ppb v/v			04/07/16 07:08	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 07:08	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1
Trichlorofluoromethane	**0.22**		0.20	0.038	ppb v/v			04/07/16 07:08	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 07:08	1
1,1-Dichloroethene	**0.36**		0.20	0.036	ppb v/v			04/07/16 07:08	1
Acetone	**23**		5.0	0.86	ppb v/v			04/07/16 07:08	1
Isopropyl alcohol	**2.4**	**J**	5.0	0.98	ppb v/v			04/07/16 07:08	1
Carbon disulfide	**0.38**	**J**	0.50	0.043	ppb v/v			04/07/16 07:08	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 07:08	1

Client Sample ID: HC-6A

Lab Sample ID: 200-32860-6

Date Collected: 04/02/16 16:45
Matrix: Air
Date Received: 04/05/16 10:15
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
Methylene Chloride	**0.48**	**J**	0.50	0.18	ppb v/v			04/07/16 07:08	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			04/07/16 07:08	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 07:08	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 07:08	1
n-Hexane	**0.13**	**J**	0.20	0.054	ppb v/v			04/07/16 07:08	1
1,1-Dichloroethane	**0.17**	**J**	0.20	0.025	ppb v/v			04/07/16 07:08	1
Methyl Ethyl Ketone	**1.4**		0.50	0.052	ppb v/v			04/07/16 07:08	1
cis-1,2-Dichloroethene	**0.56**		0.20	0.035	ppb v/v			04/07/16 07:08	1
1,2-Dichloroethene, Total	**0.56**		0.40	0.035	ppb v/v			04/07/16 07:08	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 07:08	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 07:08	1
1,1,1-Trichloroethane	**5.1**		0.20	0.046	ppb v/v			04/07/16 07:08	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 07:08	1
Carbon tetrachloride	**0.084**	**J**	0.20	0.032	ppb v/v			04/07/16 07:08	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/07/16 07:08	1
Benzene	**0.055**	**J**	0.20	0.042	ppb v/v			04/07/16 07:08	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 07:08	1
n-Heptane	**0.39**		0.20	0.040	ppb v/v			04/07/16 07:08	1
Trichloroethene	**2.6**		0.20	0.039	ppb v/v			04/07/16 07:08	1
Methyl methacrylate	**0.24**	**J**	0.50	0.040	ppb v/v			04/07/16 07:08	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 07:08	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 07:08	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 07:08	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 07:08	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 07:08	1
Toluene	**2.4**		0.20	0.093	ppb v/v			04/07/16 07:08	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 07:08	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 07:08	1
Tetrachloroethene	**0.11**	**J**	0.20	0.023	ppb v/v			04/07/16 07:08	1
Methyl Butyl Ketone (2-Hexanone)	**0.29**	**J**	0.50	0.057	ppb v/v			04/07/16 07:08	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 07:08	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 07:08	1
Ethylbenzene	**0.14**	**J**	0.20	0.033	ppb v/v			04/07/16 07:08	1
m,p-Xylene	**0.46**	**J**	0.50	0.071	ppb v/v			04/07/16 07:08	1
Xylene, o-	**0.18**	**J**	0.20	0.037	ppb v/v			04/07/16 07:08	1
Xylene (total)	**0.64**	**J**	0.70	0.037	ppb v/v			04/07/16 07:08	1
Styrene	**0.086**	**J**	0.20	0.043	ppb v/v			04/07/16 07:08	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 07:08	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 07:08	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 07:08	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 07:08	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 07:08	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1
1,2,4-Trimethylbenzene	**0.57**		0.20	0.043	ppb v/v			04/07/16 07:08	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 07:08	1

Client Sample ID: HC-6A

Lab Sample ID: 200-32860-6

Date Collected: 04/02/16 16:45
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	**0.45**		0.20	0.037	ppb v/v			04/07/16 07:08	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 07:08	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 07:08	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 07:08	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 07:08	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 07:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 07:08	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 07:08	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/07/16 07:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.40	ug/m3			04/07/16 07:08	1
Freon 22	**0.99**	**J**	1.8	0.20	ug/m3			04/07/16 07:08	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 07:08	1
Chloromethane	**1.6**		1.0	0.19	ug/m3			04/07/16 07:08	1
n-Butane	**3.6**		1.2	0.19	ug/m3			04/07/16 07:08	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 07:08	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 07:08	1
Bromomethane	**0.41**	**J**	0.78	0.22	ug/m3			04/07/16 07:08	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 07:08	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 07:08	1
Trichlorofluoromethane	**1.3**		1.1	0.21	ug/m3			04/07/16 07:08	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 07:08	1
1,1-Dichloroethene	**1.4**		0.79	0.14	ug/m3			04/07/16 07:08	1
Acetone	**54**		12	2.0	ug/m3			04/07/16 07:08	1
Isopropyl alcohol	**5.9**	**J**	12	2.4	ug/m3			04/07/16 07:08	1
Carbon disulfide	**1.2**	**J**	1.6	0.13	ug/m3			04/07/16 07:08	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 07:08	1
Methylene Chloride	**1.7**	**J**	1.7	0.63	ug/m3			04/07/16 07:08	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			04/07/16 07:08	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 07:08	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 07:08	1
n-Hexane	**0.45**	**J**	0.70	0.19	ug/m3			04/07/16 07:08	1
1,1-Dichloroethane	**0.67**	**J**	0.81	0.10	ug/m3			04/07/16 07:08	1
Methyl Ethyl Ketone	**4.2**		1.5	0.15	ug/m3			04/07/16 07:08	1
cis-1,2-Dichloroethene	**2.2**		0.79	0.14	ug/m3			04/07/16 07:08	1
1,2-Dichloroethene, Total	**2.2**		1.6	0.14	ug/m3			04/07/16 07:08	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 07:08	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 07:08	1
1,1,1-Trichloroethane	**28**		1.1	0.25	ug/m3			04/07/16 07:08	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 07:08	1
Carbon tetrachloride	**0.53**	**J**	1.3	0.20	ug/m3			04/07/16 07:08	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/07/16 07:08	1
Benzene	**0.18**	**J**	0.64	0.13	ug/m3			04/07/16 07:08	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 07:08	1
n-Heptane	**1.6**		0.82	0.16	ug/m3			04/07/16 07:08	1
Trichloroethene	**14**		1.1	0.21	ug/m3			04/07/16 07:08	1
Methyl methacrylate	**0.99**	**J**	2.0	0.16	ug/m3			04/07/16 07:08	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 07:08	1

Client Sample ID: HC-6A

Lab Sample ID: 200-32860-6

Date Collected: 04/02/16 16:45
Matrix: Air
Date Received: 04/05/16 10:15
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
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 07:08	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 07:08	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 07:08	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 07:08	1
Toluene	**9.0**		0.75	0.35	ug/m3			04/07/16 07:08	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 07:08	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 07:08	1
Tetrachloroethene	**0.75**	**J**	1.4	0.16	ug/m3			04/07/16 07:08	1
Methyl Butyl Ketone (2-Hexanone)	**1.2**	**J**	2.0	0.23	ug/m3			04/07/16 07:08	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 07:08	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 07:08	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 07:08	1
Ethylbenzene	**0.60**	**J**	0.87	0.14	ug/m3			04/07/16 07:08	1
m,p-Xylene	**2.0**	**J**	2.2	0.31	ug/m3			04/07/16 07:08	1
Xylene, o-	**0.76**	**J**	0.87	0.16	ug/m3			04/07/16 07:08	1
Xylene (total)	**2.8**	**J**	3.0	0.16	ug/m3			04/07/16 07:08	1
Styrene	**0.37**	**J**	0.85	0.18	ug/m3			04/07/16 07:08	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 07:08	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 07:08	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 07:08	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 07:08	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 07:08	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 07:08	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 07:08	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 07:08	1
1,2,4-Trimethylbenzene	**2.8**		0.98	0.21	ug/m3			04/07/16 07:08	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 07:08	1
4-Isopropyltoluene	**2.5**		1.1	0.20	ug/m3			04/07/16 07:08	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 07:08	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 07:08	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 07:08	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/07/16 07:08	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 07:08	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 07:08	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 07:08	1
Naphthalene	ND		2.6	0.30	ug/m3			04/07/16 07:08	1

Client Sample ID: HC-7A

Lab Sample ID: 200-32860-7

Date Collected: 04/02/16 16:40
Matrix: Air
Date Received: 04/05/16 10:15
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	**0.42**	**J**	0.50	0.080	ppb v/v			04/07/16 09:43	1
Freon 22	**0.20**	**J**	0.50	0.057	ppb v/v			04/07/16 09:43	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 09:43	1
Chloromethane	**0.62**		0.50	0.093	ppb v/v			04/07/16 09:43	1
n-Butane	**5.0**		0.50	0.078	ppb v/v			04/07/16 09:43	1

Client Sample ID: HC-7A

Lab Sample ID: 200-32860-7

Date Collected: 04/02/16 16:40
Matrix: Air
Date Received: 04/05/16 10:15
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
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 09:43	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 09:43	1
Bromomethane	**0.081**	**J**	0.20	0.056	ppb v/v			04/07/16 09:43	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 09:43	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 09:43	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			04/07/16 09:43	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 09:43	1
1,1-Dichloroethene	**0.29**		0.20	0.036	ppb v/v			04/07/16 09:43	1
Acetone	**25**		5.0	0.86	ppb v/v			04/07/16 09:43	1
Isopropyl alcohol	**3.9**	**J**	5.0	0.98	ppb v/v			04/07/16 09:43	1
Carbon disulfide	**0.52**		0.50	0.043	ppb v/v			04/07/16 09:43	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 09:43	1
Methylene Chloride	**2.8**		0.50	0.18	ppb v/v			04/07/16 09:43	1
tert-Butyl alcohol	**0.86**	**J**	5.0	0.85	ppb v/v			04/07/16 09:43	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 09:43	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 09:43	1
n-Hexane	**0.39**		0.20	0.054	ppb v/v			04/07/16 09:43	1
1,1-Dichloroethane	**0.16**	**J**	0.20	0.025	ppb v/v			04/07/16 09:43	1
Methyl Ethyl Ketone	**1.3**		0.50	0.052	ppb v/v			04/07/16 09:43	1
cis-1,2-Dichloroethene	**0.92**		0.20	0.035	ppb v/v			04/07/16 09:43	1
1,2-Dichloroethene, Total	**0.92**		0.40	0.035	ppb v/v			04/07/16 09:43	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 09:43	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 09:43	1
1,1,1-Trichloroethane	**3.0**		0.20	0.046	ppb v/v			04/07/16 09:43	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 09:43	1
Carbon tetrachloride	**0.039**	**J**	0.20	0.032	ppb v/v			04/07/16 09:43	1
2,2,4-Trimethylpentane	**0.36**		0.20	0.039	ppb v/v			04/07/16 09:43	1
Benzene	**0.42**		0.20	0.042	ppb v/v			04/07/16 09:43	1
1,2-Dichloroethane	**0.19**	**J**	0.20	0.041	ppb v/v			04/07/16 09:43	1
n-Heptane	**0.51**		0.20	0.040	ppb v/v			04/07/16 09:43	1
Trichloroethene	**1.9**		0.20	0.039	ppb v/v			04/07/16 09:43	1
Methyl methacrylate	**0.54**		0.50	0.040	ppb v/v			04/07/16 09:43	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 09:43	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 09:43	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 09:43	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 09:43	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 09:43	1
Toluene	**13**		0.20	0.093	ppb v/v			04/07/16 09:43	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 09:43	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 09:43	1
Tetrachloroethene	**0.13**	**J**	0.20	0.023	ppb v/v			04/07/16 09:43	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 09:43	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 09:43	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 09:43	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 09:43	1
Ethylbenzene	**3.4**		0.20	0.033	ppb v/v			04/07/16 09:43	1
m,p-Xylene	**17**		0.50	0.071	ppb v/v			04/07/16 09:43	1
Xylene, o-	**6.0**		0.20	0.037	ppb v/v			04/07/16 09:43	1

Client Sample ID: HC-7A

Lab Sample ID: 200-32860-7

Date Collected: 04/02/16 16:40
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	**23**		0.70	0.037	ppb v/v			04/07/16 09:43	1
Styrene	**0.096**	**J**	0.20	0.043	ppb v/v			04/07/16 09:43	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 09:43	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 09:43	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 09:43	1
n-Propylbenzene	**1.2**		0.20	0.043	ppb v/v			04/07/16 09:43	1
4-Ethyltoluene	**2.7**		0.20	0.044	ppb v/v			04/07/16 09:43	1
1,3,5-Trimethylbenzene	**1.8**		0.20	0.039	ppb v/v			04/07/16 09:43	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 09:43	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 09:43	1
1,2,4-Trimethylbenzene	**8.0**		0.20	0.043	ppb v/v			04/07/16 09:43	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 09:43	1
4-Isopropyltoluene	**0.24**		0.20	0.037	ppb v/v			04/07/16 09:43	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 09:43	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 09:43	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 09:43	1
n-Butylbenzene	**0.24**		0.20	0.047	ppb v/v			04/07/16 09:43	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 09:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 09:43	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 09:43	1
Naphthalene	**0.29**	**J**	0.50	0.057	ppb v/v			04/07/16 09:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.40	ug/m3			04/07/16 09:43	1
Freon 22	**0.71**	**J**	1.8	0.20	ug/m3			04/07/16 09:43	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 09:43	1
Chloromethane	**1.3**		1.0	0.19	ug/m3			04/07/16 09:43	1
n-Butane	**12**		1.2	0.19	ug/m3			04/07/16 09:43	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 09:43	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 09:43	1
Bromomethane	**0.31**	**J**	0.78	0.22	ug/m3			04/07/16 09:43	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 09:43	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 09:43	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			04/07/16 09:43	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 09:43	1
1,1-Dichloroethene	**1.1**		0.79	0.14	ug/m3			04/07/16 09:43	1
Acetone	**59**		12	2.0	ug/m3			04/07/16 09:43	1
Isopropyl alcohol	**9.5**	**J**	12	2.4	ug/m3			04/07/16 09:43	1
Carbon disulfide	**1.6**		1.6	0.13	ug/m3			04/07/16 09:43	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 09:43	1
Methylene Chloride	**9.9**		1.7	0.63	ug/m3			04/07/16 09:43	1
tert-Butyl alcohol	**2.6**	**J**	15	2.6	ug/m3			04/07/16 09:43	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 09:43	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 09:43	1
n-Hexane	**1.4**		0.70	0.19	ug/m3			04/07/16 09:43	1
1,1-Dichloroethane	**0.63**	**J**	0.81	0.10	ug/m3			04/07/16 09:43	1
Methyl Ethyl Ketone	**3.9**		1.5	0.15	ug/m3			04/07/16 09:43	1
cis-1,2-Dichloroethene	**3.6**		0.79	0.14	ug/m3			04/07/16 09:43	1
1,2-Dichloroethene, Total	**3.6**		1.6	0.14	ug/m3			04/07/16 09:43	1

Client Sample ID: HC-7A

Lab Sample ID: 200-32860-7

Date Collected: 04/02/16 16:40
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 09:43	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 09:43	1
1,1,1-Trichloroethane	**16**		1.1	0.25	ug/m3			04/07/16 09:43	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 09:43	1
Carbon tetrachloride	**0.24**	**J**	1.3	0.20	ug/m3			04/07/16 09:43	1
2,2,4-Trimethylpentane	**1.7**		0.93	0.18	ug/m3			04/07/16 09:43	1
Benzene	**1.3**		0.64	0.13	ug/m3			04/07/16 09:43	1
1,2-Dichloroethane	**0.75**	**J**	0.81	0.17	ug/m3			04/07/16 09:43	1
n-Heptane	**2.1**		0.82	0.16	ug/m3			04/07/16 09:43	1
Trichloroethene	**10**		1.1	0.21	ug/m3			04/07/16 09:43	1
Methyl methacrylate	**2.2**		2.0	0.16	ug/m3			04/07/16 09:43	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 09:43	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 09:43	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 09:43	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 09:43	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 09:43	1
Toluene	**49**		0.75	0.35	ug/m3			04/07/16 09:43	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 09:43	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 09:43	1
Tetrachloroethene	**0.89**	**J**	1.4	0.16	ug/m3			04/07/16 09:43	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 09:43	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 09:43	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 09:43	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 09:43	1
Ethylbenzene	**15**		0.87	0.14	ug/m3			04/07/16 09:43	1
m,p-Xylene	**74**		2.2	0.31	ug/m3			04/07/16 09:43	1
Xylene, o-	**26**		0.87	0.16	ug/m3			04/07/16 09:43	1
Xylene (total)	**100**		3.0	0.16	ug/m3			04/07/16 09:43	1
Styrene	**0.41**	**J**	0.85	0.18	ug/m3			04/07/16 09:43	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 09:43	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 09:43	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 09:43	1
n-Propylbenzene	**6.1**		0.98	0.21	ug/m3			04/07/16 09:43	1
4-Ethyltoluene	**13**		0.98	0.22	ug/m3			04/07/16 09:43	1
1,3,5-Trimethylbenzene	**8.9**		0.98	0.19	ug/m3			04/07/16 09:43	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 09:43	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 09:43	1
1,2,4-Trimethylbenzene	**39**		0.98	0.21	ug/m3			04/07/16 09:43	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 09:43	1
4-Isopropyltoluene	**1.3**		1.1	0.20	ug/m3			04/07/16 09:43	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 09:43	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 09:43	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 09:43	1
n-Butylbenzene	**1.3**		1.1	0.26	ug/m3			04/07/16 09:43	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 09:43	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 09:43	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 09:43	1
Naphthalene	**1.5**	**J**	2.6	0.30	ug/m3			04/07/16 09:43	1

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-8A

Lab Sample ID: 200-32860-8

Date Collected: 04/02/16 16:55
Matrix: Air
Date Received: 04/05/16 10:15
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	**0.43**	**J**	0.50	0.080	ppb v/v			04/07/16 10:37	1
Freon 22	**0.24**	**J**	0.50	0.057	ppb v/v			04/07/16 10:37	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 10:37	1
Chloromethane	**0.61**		0.50	0.093	ppb v/v			04/07/16 10:37	1
n-Butane	**3.6**		0.50	0.078	ppb v/v			04/07/16 10:37	1
Vinyl chloride	**0.092**	**J**	0.20	0.032	ppb v/v			04/07/16 10:37	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 10:37	1
Bromomethane	**0.063**	**J**	0.20	0.056	ppb v/v			04/07/16 10:37	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 10:37	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1
Trichlorofluoromethane	**0.20**		0.20	0.038	ppb v/v			04/07/16 10:37	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 10:37	1
1,1-Dichloroethene	**0.32**		0.20	0.036	ppb v/v			04/07/16 10:37	1
Acetone	**36**		5.0	0.86	ppb v/v			04/07/16 10:37	1
Isopropyl alcohol	**4.1**	**J**	5.0	0.98	ppb v/v			04/07/16 10:37	1
Carbon disulfide	**1.2**		0.50	0.043	ppb v/v			04/07/16 10:37	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 10:37	1
Methylene Chloride	**0.28**	**J**	0.50	0.18	ppb v/v			04/07/16 10:37	1
tert-Butyl alcohol	**1.2**	**J**	5.0	0.85	ppb v/v			04/07/16 10:37	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 10:37	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 10:37	1
n-Hexane	**0.27**		0.20	0.054	ppb v/v			04/07/16 10:37	1
1,1-Dichloroethane	**0.15**	**J**	0.20	0.025	ppb v/v			04/07/16 10:37	1
Methyl Ethyl Ketone	**0.90**		0.50	0.052	ppb v/v			04/07/16 10:37	1
cis-1,2-Dichloroethene	**1.1**		0.20	0.035	ppb v/v			04/07/16 10:37	1
1,2-Dichloroethene, Total	**1.1**		0.40	0.035	ppb v/v			04/07/16 10:37	1
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 10:37	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 10:37	1
1,1,1-Trichloroethane	**2.8**		0.20	0.046	ppb v/v			04/07/16 10:37	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 10:37	1
Carbon tetrachloride	**0.064**	**J**	0.20	0.032	ppb v/v			04/07/16 10:37	1
2,2,4-Trimethylpentane	**0.064**	**J**	0.20	0.039	ppb v/v			04/07/16 10:37	1
Benzene	**0.13**	**J**	0.20	0.042	ppb v/v			04/07/16 10:37	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 10:37	1
n-Heptane	**0.65**		0.20	0.040	ppb v/v			04/07/16 10:37	1
Trichloroethene	**2.3**		0.20	0.039	ppb v/v			04/07/16 10:37	1
Methyl methacrylate	**0.19**	**J**	0.50	0.040	ppb v/v			04/07/16 10:37	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 10:37	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 10:37	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 10:37	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 10:37	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 10:37	1
Toluene	**2.4**		0.20	0.093	ppb v/v			04/07/16 10:37	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 10:37	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 10:37	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			04/07/16 10:37	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 10:37	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1

Client Sample ID: HC-8A

Lab Sample ID: 200-32860-8

Date Collected: 04/02/16 16:55
Matrix: Air
Date Received: 04/05/16 10:15
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			04/07/16 10:37	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 10:37	1
Ethylbenzene	**0.14**	**J**	0.20	0.033	ppb v/v			04/07/16 10:37	1
m,p-Xylene	**0.42**	**J**	0.50	0.071	ppb v/v			04/07/16 10:37	1
Xylene, o-	**0.15**	**J**	0.20	0.037	ppb v/v			04/07/16 10:37	1
Xylene (total)	**0.57**	**J**	0.70	0.037	ppb v/v			04/07/16 10:37	1
Styrene	**0.098**	**J**	0.20	0.043	ppb v/v			04/07/16 10:37	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 10:37	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 10:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 10:37	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 10:37	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 10:37	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1
1,2,4-Trimethylbenzene	**0.77**		0.20	0.043	ppb v/v			04/07/16 10:37	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 10:37	1
4-Isopropyltoluene	**0.66**		0.20	0.037	ppb v/v			04/07/16 10:37	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 10:37	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 10:37	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 10:37	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 10:37	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 10:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/07/16 10:37	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 10:37	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/07/16 10:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.40	ug/m3			04/07/16 10:37	1
Freon 22	**0.86**	**J**	1.8	0.20	ug/m3			04/07/16 10:37	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 10:37	1
Chloromethane	**1.2**		1.0	0.19	ug/m3			04/07/16 10:37	1
n-Butane	**8.6**		1.2	0.19	ug/m3			04/07/16 10:37	1
Vinyl chloride	**0.24**	**J**	0.51	0.082	ug/m3			04/07/16 10:37	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 10:37	1
Bromomethane	**0.25**	**J**	0.78	0.22	ug/m3			04/07/16 10:37	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 10:37	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 10:37	1
Trichlorofluoromethane	**1.1**		1.1	0.21	ug/m3			04/07/16 10:37	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 10:37	1
1,1-Dichloroethene	**1.3**		0.79	0.14	ug/m3			04/07/16 10:37	1
Acetone	**86**		12	2.0	ug/m3			04/07/16 10:37	1
Isopropyl alcohol	**10**	**J**	12	2.4	ug/m3			04/07/16 10:37	1
Carbon disulfide	**3.9**		1.6	0.13	ug/m3			04/07/16 10:37	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 10:37	1
Methylene Chloride	**0.96**	**J**	1.7	0.63	ug/m3			04/07/16 10:37	1
tert-Butyl alcohol	**3.7**	**J**	15	2.6	ug/m3			04/07/16 10:37	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 10:37	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 10:37	1

Client Sample ID: HC-8A

Lab Sample ID: 200-32860-8

Date Collected: 04/02/16 16:55
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

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	**0.96**		0.70	0.19	ug/m3			04/07/16 10:37	1
1,1-Dichloroethane	**0.61**	**J**	0.81	0.10	ug/m3			04/07/16 10:37	1
Methyl Ethyl Ketone	**2.6**		1.5	0.15	ug/m3			04/07/16 10:37	1
cis-1,2-Dichloroethene	**4.4**		0.79	0.14	ug/m3			04/07/16 10:37	1
1,2-Dichloroethene, Total	**4.4**		1.6	0.14	ug/m3			04/07/16 10:37	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 10:37	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 10:37	1
1,1,1-Trichloroethane	**15**		1.1	0.25	ug/m3			04/07/16 10:37	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 10:37	1
Carbon tetrachloride	**0.40**	**J**	1.3	0.20	ug/m3			04/07/16 10:37	1
2,2,4-Trimethylpentane	**0.30**	**J**	0.93	0.18	ug/m3			04/07/16 10:37	1
Benzene	**0.42**	**J**	0.64	0.13	ug/m3			04/07/16 10:37	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 10:37	1
n-Heptane	**2.7**		0.82	0.16	ug/m3			04/07/16 10:37	1
Trichloroethene	**12**		1.1	0.21	ug/m3			04/07/16 10:37	1
Methyl methacrylate	**0.76**	**J**	2.0	0.16	ug/m3			04/07/16 10:37	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 10:37	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 10:37	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 10:37	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 10:37	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 10:37	1
Toluene	**9.0**		0.75	0.35	ug/m3			04/07/16 10:37	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 10:37	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 10:37	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			04/07/16 10:37	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 10:37	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 10:37	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 10:37	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 10:37	1
Ethylbenzene	**0.61**	**J**	0.87	0.14	ug/m3			04/07/16 10:37	1
m,p-Xylene	**1.8**	**J**	2.2	0.31	ug/m3			04/07/16 10:37	1
Xylene, o-	**0.67**	**J**	0.87	0.16	ug/m3			04/07/16 10:37	1
Xylene (total)	**2.5**	**J**	3.0	0.16	ug/m3			04/07/16 10:37	1
Styrene	**0.42**	**J**	0.85	0.18	ug/m3			04/07/16 10:37	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 10:37	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 10:37	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 10:37	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 10:37	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 10:37	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 10:37	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 10:37	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 10:37	1
1,2,4-Trimethylbenzene	**3.8**		0.98	0.21	ug/m3			04/07/16 10:37	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 10:37	1
4-Isopropyltoluene	**3.6**		1.1	0.20	ug/m3			04/07/16 10:37	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 10:37	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 10:37	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 10:37	1

Client Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-8A

Lab Sample ID: 200-32860-8

Date Collected: 04/02/16 16:55
Date Received: 04/05/16 10:15
Sample Container: Summa Canister 6L

Matrix: Air

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			04/07/16 10:37	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 10:37	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/07/16 10:37	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 10:37	1
Naphthalene	ND		2.6	0.30	ug/m3			04/07/16 10:37	1

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

Lab Sample ID: MB 200-102833/5
Matrix: Air
Analysis Batch: 102833

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			04/06/16 15:05	1
Freon 22	ND		0.50	0.057	ppb v/v			04/06/16 15:05	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/06/16 15:05	1
Chloromethane	ND		0.50	0.093	ppb v/v			04/06/16 15:05	1
n-Butane	ND		0.50	0.078	ppb v/v			04/06/16 15:05	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/06/16 15:05	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/06/16 15:05	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/06/16 15:05	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/06/16 15:05	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1
Trichlorofluoromethane	ND		0.20	0.038	ppb v/v			04/06/16 15:05	1
Freon TF	ND		0.20	0.075	ppb v/v			04/06/16 15:05	1
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			04/06/16 15:05	1
Acetone	ND		5.0	0.86	ppb v/v			04/06/16 15:05	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			04/06/16 15:05	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			04/06/16 15:05	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/06/16 15:05	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			04/06/16 15:05	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			04/06/16 15:05	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/06/16 15:05	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/06/16 15:05	1
n-Hexane	ND		0.20	0.054	ppb v/v			04/06/16 15:05	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			04/06/16 15:05	1
Methyl Ethyl Ketone	ND		0.50	0.052	ppb v/v			04/06/16 15:05	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			04/06/16 15:05	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			04/06/16 15:05	1
Chloroform	ND		0.20	0.082	ppb v/v			04/06/16 15:05	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/06/16 15:05	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			04/06/16 15:05	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/06/16 15:05	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			04/06/16 15:05	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/06/16 15:05	1
Benzene	ND		0.20	0.042	ppb v/v			04/06/16 15:05	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/06/16 15:05	1
n-Heptane	ND		0.20	0.040	ppb v/v			04/06/16 15:05	1
Trichloroethene	ND		0.20	0.039	ppb v/v			04/06/16 15:05	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			04/06/16 15:05	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/06/16 15:05	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/06/16 15:05	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/06/16 15:05	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/06/16 15:05	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/06/16 15:05	1
Toluene	ND		0.20	0.093	ppb v/v			04/06/16 15:05	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/06/16 15:05	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/06/16 15:05	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			04/06/16 15:05	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/06/16 15:05	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1

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

Lab Sample ID: MB 200-102833/5
Matrix: Air
Analysis Batch: 102833

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			04/06/16 15:05	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/06/16 15:05	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			04/06/16 15:05	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			04/06/16 15:05	1
Xylene, o-	ND		0.20	0.037	ppb v/v			04/06/16 15:05	1
Xylene (total)	ND		0.70	0.037	ppb v/v			04/06/16 15:05	1
Styrene	ND		0.20	0.043	ppb v/v			04/06/16 15:05	1
Bromoform	ND		0.20	0.056	ppb v/v			04/06/16 15:05	1
Cumene	ND		0.20	0.030	ppb v/v			04/06/16 15:05	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/06/16 15:05	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/06/16 15:05	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/06/16 15:05	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			04/06/16 15:05	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/06/16 15:05	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			04/06/16 15:05	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/06/16 15:05	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/06/16 15:05	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/06/16 15:05	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/06/16 15:05	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/06/16 15:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.068	ppb v/v			04/06/16 15:05	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/06/16 15:05	1
Naphthalene	ND		0.50	0.057	ppb v/v			04/06/16 15:05	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.40	ug/m3			04/06/16 15:05	1
Freon 22	ND		1.8	0.20	ug/m3			04/06/16 15:05	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/06/16 15:05	1
Chloromethane	ND		1.0	0.19	ug/m3			04/06/16 15:05	1
n-Butane	ND		1.2	0.19	ug/m3			04/06/16 15:05	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/06/16 15:05	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/06/16 15:05	1
Bromomethane	ND		0.78	0.22	ug/m3			04/06/16 15:05	1
Chloroethane	ND		1.3	0.22	ug/m3			04/06/16 15:05	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/06/16 15:05	1
Trichlorofluoromethane	ND		1.1	0.21	ug/m3			04/06/16 15:05	1
Freon TF	ND		1.5	0.57	ug/m3			04/06/16 15:05	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			04/06/16 15:05	1
Acetone	ND		12	2.0	ug/m3			04/06/16 15:05	1
Isopropyl alcohol	ND		12	2.4	ug/m3			04/06/16 15:05	1
Carbon disulfide	ND		1.6	0.13	ug/m3			04/06/16 15:05	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/06/16 15:05	1
Methylene Chloride	ND		1.7	0.63	ug/m3			04/06/16 15:05	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			04/06/16 15:05	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/06/16 15:05	1

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

Lab Sample ID: MB 200-102833/5
Matrix: Air
Analysis Batch: 102833

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			04/06/16 15:05	1
n-Hexane	ND		0.70	0.19	ug/m3			04/06/16 15:05	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			04/06/16 15:05	1
Methyl Ethyl Ketone	ND		1.5	0.15	ug/m3			04/06/16 15:05	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			04/06/16 15:05	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			04/06/16 15:05	1
Chloroform	ND		0.98	0.40	ug/m3			04/06/16 15:05	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/06/16 15:05	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			04/06/16 15:05	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/06/16 15:05	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			04/06/16 15:05	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/06/16 15:05	1
Benzene	ND		0.64	0.13	ug/m3			04/06/16 15:05	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/06/16 15:05	1
n-Heptane	ND		0.82	0.16	ug/m3			04/06/16 15:05	1
Trichloroethene	ND		1.1	0.21	ug/m3			04/06/16 15:05	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			04/06/16 15:05	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/06/16 15:05	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/06/16 15:05	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/06/16 15:05	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/06/16 15:05	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/06/16 15:05	1
Toluene	ND		0.75	0.35	ug/m3			04/06/16 15:05	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/06/16 15:05	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/06/16 15:05	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			04/06/16 15:05	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/06/16 15:05	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/06/16 15:05	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/06/16 15:05	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/06/16 15:05	1
Ethylbenzene	ND		0.87	0.14	ug/m3			04/06/16 15:05	1
m,p-Xylene	ND		2.2	0.31	ug/m3			04/06/16 15:05	1
Xylene, o-	ND		0.87	0.16	ug/m3			04/06/16 15:05	1
Xylene (total)	ND		3.0	0.16	ug/m3			04/06/16 15:05	1
Styrene	ND		0.85	0.18	ug/m3			04/06/16 15:05	1
Bromoform	ND		2.1	0.58	ug/m3			04/06/16 15:05	1
Cumene	ND		0.98	0.15	ug/m3			04/06/16 15:05	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/06/16 15:05	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/06/16 15:05	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/06/16 15:05	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/06/16 15:05	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/06/16 15:05	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/06/16 15:05	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			04/06/16 15:05	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/06/16 15:05	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			04/06/16 15:05	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/06/16 15:05	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/06/16 15:05	1

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

Lab Sample ID: MB 200-102833/5
Matrix: Air
Analysis Batch: 102833

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			04/06/16 15:05	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/06/16 15:05	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/06/16 15:05	1
1,2,4-Trichlorobenzene	ND		3.7	0.50	ug/m3			04/06/16 15:05	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/06/16 15:05	1
Naphthalene	ND		2.6	0.30	ug/m3			04/06/16 15:05	1

Lab Sample ID: LCS 200-102833/4
Matrix: Air
Analysis Batch: 102833

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	9.83		ppb v/v		98	70 - 130
Freon 22	10.0	9.14		ppb v/v		91	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	10.9		ppb v/v		109	70 - 130
Chloromethane	10.0	8.49		ppb v/v		85	70 - 130
n-Butane	10.0	8.50		ppb v/v		85	70 - 130
Vinyl chloride	10.0	9.43		ppb v/v		94	70 - 130
1,3-Butadiene	10.0	8.99		ppb v/v		90	70 - 130
Bromomethane	10.0	9.77		ppb v/v		98	70 - 130
Chloroethane	10.0	9.36		ppb v/v		94	70 - 130
Bromoethene(Vinyl Bromide)	10.0	9.48		ppb v/v		95	70 - 130
Trichlorofluoromethane	10.0	9.73		ppb v/v		97	70 - 130
Freon TF	10.0	9.81		ppb v/v		98	70 - 130
1,1-Dichloroethene	10.0	9.42		ppb v/v		94	70 - 130
Acetone	10.0	8.66		ppb v/v		87	70 - 130
Isopropyl alcohol	10.0	7.25		ppb v/v		72	70 - 130
Carbon disulfide	10.0	10.8		ppb v/v		108	70 - 130
3-Chloropropene	10.0	8.00		ppb v/v		80	70 - 130
Methylene Chloride	10.0	8.40		ppb v/v		84	70 - 130
tert-Butyl alcohol	10.0	8.03		ppb v/v		80	70 - 130
Methyl tert-butyl ether	10.0	9.12		ppb v/v		91	70 - 130
trans-1,2-Dichloroethene	10.0	9.43		ppb v/v		94	70 - 130
n-Hexane	10.0	9.15		ppb v/v		91	70 - 130
1,1-Dichloroethane	10.0	9.12		ppb v/v		91	70 - 130
Methyl Ethyl Ketone	10.0	8.89		ppb v/v		89	70 - 130
cis-1,2-Dichloroethene	10.0	9.16		ppb v/v		92	70 - 130
Chloroform	10.0	9.58		ppb v/v		96	70 - 130
Tetrahydrofuran	10.0	8.62		ppb v/v		86	70 - 130
1,1,1-Trichloroethane	10.0	9.69		ppb v/v		97	70 - 130
Cyclohexane	10.0	9.44		ppb v/v		94	70 - 130
Carbon tetrachloride	10.0	10.3		ppb v/v		103	70 - 130
2,2,4-Trimethylpentane	10.0	8.65		ppb v/v		87	70 - 130
Benzene	10.0	9.31		ppb v/v		93	70 - 130
1,2-Dichloroethane	10.0	9.40		ppb v/v		94	70 - 130
n-Heptane	10.0	8.10		ppb v/v		81	70 - 130
Trichloroethene	10.0	9.60		ppb v/v		96	70 - 130
Methyl methacrylate	10.0	9.33		ppb v/v		93	70 - 130

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

Lab Sample ID: LCS 200-102833/4
Matrix: Air
Analysis Batch: 102833

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	8.92		ppb v/v		89	70 - 130
1,4-Dioxane	10.0	9.39		ppb v/v		94	70 - 130
Bromodichloromethane	10.0	9.53		ppb v/v		95	70 - 130
cis-1,3-Dichloropropene	10.0	9.26		ppb v/v		93	70 - 130
methyl isobutyl ketone	10.0	8.13		ppb v/v		81	70 - 130
Toluene	10.0	9.70		ppb v/v		97	70 - 130
trans-1,3-Dichloropropene	10.0	9.38		ppb v/v		94	70 - 130
1,1,2-Trichloroethane	10.0	9.87		ppb v/v		99	70 - 130
Tetrachloroethene	10.0	10.7		ppb v/v		107	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.39		ppb v/v		84	70 - 130
Dibromochloromethane	10.0	10.2		ppb v/v		102	70 - 130
1,2-Dibromoethane	10.0	10.1		ppb v/v		101	70 - 130
Chlorobenzene	10.0	10.1		ppb v/v		101	70 - 130
Ethylbenzene	10.0	9.81		ppb v/v		98	70 - 130
m,p-Xylene	20.0	19.6		ppb v/v		98	70 - 130
Xylene, o-	10.0	9.73		ppb v/v		97	70 - 130
Styrene	10.0	9.95		ppb v/v		99	70 - 130
Bromoform	10.0	11.7		ppb v/v		117	70 - 130
Cumene	10.0	10.0		ppb v/v		100	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.3		ppb v/v		103	70 - 130
n-Propylbenzene	10.0	10.1		ppb v/v		101	70 - 130
4-Ethyltoluene	10.0	10.4		ppb v/v		104	70 - 130
1,3,5-Trimethylbenzene	10.0	10.1		ppb v/v		101	70 - 130
2-Chlorotoluene	10.0	9.95		ppb v/v		100	70 - 130
tert-Butylbenzene	10.0	10.2		ppb v/v		102	70 - 130
1,2,4-Trimethylbenzene	10.0	10.1		ppb v/v		101	70 - 130
sec-Butylbenzene	10.0	10.3		ppb v/v		103	70 - 130
4-Isopropyltoluene	10.0	10.4		ppb v/v		104	70 - 130
1,3-Dichlorobenzene	10.0	10.8		ppb v/v		108	70 - 130
1,4-Dichlorobenzene	10.0	10.7		ppb v/v		107	70 - 130
Benzyl chloride	10.0	11.3		ppb v/v		113	70 - 130
n-Butylbenzene	10.0	10.4		ppb v/v		104	70 - 130
1,2-Dichlorobenzene	10.0	10.9		ppb v/v		109	70 - 130
1,2,4-Trichlorobenzene	10.0	10.2		ppb v/v		102	70 - 130
Hexachlorobutadiene	10.0	11.5		ppb v/v		115	70 - 130
Naphthalene	10.0	8.87		ppb v/v		89	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	48.6		ug/m3		98	70 - 130
Freon 22	35	32.3		ug/m3		91	70 - 130
1,2-Dichlorotetrafluoroethane	70	76.3		ug/m3		109	70 - 130
Chloromethane	21	17.5		ug/m3		85	70 - 130
n-Butane	24	20.2		ug/m3		85	70 - 130
Vinyl chloride	26	24.1		ug/m3		94	70 - 130
1,3-Butadiene	22	19.9		ug/m3		90	70 - 130
Bromomethane	39	38.0		ug/m3		98	70 - 130
Chloroethane	26	24.7		ug/m3		94	70 - 130

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

Lab Sample ID: LCS 200-102833/4
Matrix: Air
Analysis Batch: 102833

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	41.5		ug/m3		95	70 - 130
Trichlorofluoromethane	56	54.7		ug/m3		97	70 - 130
Freon TF	77	75.2		ug/m3		98	70 - 130
1,1-Dichloroethene	40	37.3		ug/m3		94	70 - 130
Acetone	24	20.6		ug/m3		87	70 - 130
Isopropyl alcohol	25	17.8		ug/m3		72	70 - 130
Carbon disulfide	31	33.6		ug/m3		108	70 - 130
3-Chloropropene	31	25.0		ug/m3		80	70 - 130
Methylene Chloride	35	29.2		ug/m3		84	70 - 130
tert-Butyl alcohol	30	24.3		ug/m3		80	70 - 130
Methyl tert-butyl ether	36	32.9		ug/m3		91	70 - 130
trans-1,2-Dichloroethene	40	37.4		ug/m3		94	70 - 130
n-Hexane	35	32.2		ug/m3		91	70 - 130
1,1-Dichloroethane	40	36.9		ug/m3		91	70 - 130
Methyl Ethyl Ketone	29	26.2		ug/m3		89	70 - 130
cis-1,2-Dichloroethene	40	36.3		ug/m3		92	70 - 130
Chloroform	49	46.8		ug/m3		96	70 - 130
Tetrahydrofuran	29	25.4		ug/m3		86	70 - 130
1,1,1-Trichloroethane	55	52.9		ug/m3		97	70 - 130
Cyclohexane	34	32.5		ug/m3		94	70 - 130
Carbon tetrachloride	63	65.1		ug/m3		103	70 - 130
2,2,4-Trimethylpentane	47	40.4		ug/m3		87	70 - 130
Benzene	32	29.8		ug/m3		93	70 - 130
1,2-Dichloroethane	40	38.1		ug/m3		94	70 - 130
n-Heptane	41	33.2		ug/m3		81	70 - 130
Trichloroethene	54	51.6		ug/m3		96	70 - 130
Methyl methacrylate	41	38.2		ug/m3		93	70 - 130
1,2-Dichloropropane	46	41.2		ug/m3		89	70 - 130
1,4-Dioxane	36	33.8		ug/m3		94	70 - 130
Bromodichloromethane	67	63.8		ug/m3		95	70 - 130
cis-1,3-Dichloropropene	45	42.0		ug/m3		93	70 - 130
methyl isobutyl ketone	41	33.3		ug/m3		81	70 - 130
Toluene	38	36.5		ug/m3		97	70 - 130
trans-1,3-Dichloropropene	45	42.6		ug/m3		94	70 - 130
1,1,2-Trichloroethane	55	53.9		ug/m3		99	70 - 130
Tetrachloroethene	68	72.5		ug/m3		107	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	34.4		ug/m3		84	70 - 130
Dibromochloromethane	85	87.1		ug/m3		102	70 - 130
1,2-Dibromoethane	77	77.8		ug/m3		101	70 - 130
Chlorobenzene	46	46.4		ug/m3		101	70 - 130
Ethylbenzene	43	42.6		ug/m3		98	70 - 130
m,p-Xylene	87	85.0		ug/m3		98	70 - 130
Xylene, o-	43	42.3		ug/m3		97	70 - 130
Styrene	43	42.4		ug/m3		99	70 - 130
Bromoform	100	121		ug/m3		117	70 - 130
Cumene	49	49.2		ug/m3		100	70 - 130
1,1,2,2-Tetrachloroethane	69	70.9		ug/m3		103	70 - 130

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

Lab Sample ID: LCS 200-102833/4
Matrix: Air
Analysis Batch: 102833

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	49.4		ug/m3		101	70 - 130
4-Ethyltoluene	49	51.1		ug/m3		104	70 - 130
1,3,5-Trimethylbenzene	49	49.6		ug/m3		101	70 - 130
2-Chlorotoluene	52	51.5		ug/m3		100	70 - 130
tert-Butylbenzene	55	56.1		ug/m3		102	70 - 130
1,2,4-Trimethylbenzene	49	49.8		ug/m3		101	70 - 130
sec-Butylbenzene	55	56.4		ug/m3		103	70 - 130
4-Isopropyltoluene	55	57.0		ug/m3		104	70 - 130
1,3-Dichlorobenzene	60	64.8		ug/m3		108	70 - 130
1,4-Dichlorobenzene	60	64.3		ug/m3		107	70 - 130
Benzyl chloride	52	58.6		ug/m3		113	70 - 130
n-Butylbenzene	55	57.2		ug/m3		104	70 - 130
1,2-Dichlorobenzene	60	65.4		ug/m3		109	70 - 130
1,2,4-Trichlorobenzene	74	75.9		ug/m3		102	70 - 130
Hexachlorobutadiene	110	122		ug/m3		115	70 - 130
Naphthalene	52	46.5		ug/m3		89	70 - 130

Lab Sample ID: MB 200-102871/4
Matrix: Air
Analysis Batch: 102871

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			04/07/16 13:07	1
Freon 22	ND		0.50	0.057	ppb v/v			04/07/16 13:07	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.038	ppb v/v			04/07/16 13:07	1
Chloromethane	ND		0.50	0.093	ppb v/v			04/07/16 13:07	1
n-Butane	ND		0.50	0.078	ppb v/v			04/07/16 13:07	1
Vinyl chloride	ND		0.20	0.032	ppb v/v			04/07/16 13:07	1
1,3-Butadiene	ND		0.20	0.089	ppb v/v			04/07/16 13:07	1
Bromomethane	ND		0.20	0.056	ppb v/v			04/07/16 13:07	1
Chloroethane	ND		0.50	0.085	ppb v/v			04/07/16 13:07	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
Trichlorofluoromethane	ND		0.20	0.038	ppb v/v			04/07/16 13:07	1
Freon TF	ND		0.20	0.075	ppb v/v			04/07/16 13:07	1
1,1-Dichloroethene	ND		0.20	0.036	ppb v/v			04/07/16 13:07	1
Acetone	ND		5.0	0.86	ppb v/v			04/07/16 13:07	1
Isopropyl alcohol	ND		5.0	0.98	ppb v/v			04/07/16 13:07	1
Carbon disulfide	ND		0.50	0.043	ppb v/v			04/07/16 13:07	1
3-Chloropropene	ND		0.50	0.068	ppb v/v			04/07/16 13:07	1
Methylene Chloride	ND		0.50	0.18	ppb v/v			04/07/16 13:07	1
tert-Butyl alcohol	ND		5.0	0.85	ppb v/v			04/07/16 13:07	1
Methyl tert-butyl ether	ND		0.20	0.089	ppb v/v			04/07/16 13:07	1
trans-1,2-Dichloroethene	ND		0.20	0.043	ppb v/v			04/07/16 13:07	1
n-Hexane	ND		0.20	0.054	ppb v/v			04/07/16 13:07	1
1,1-Dichloroethane	ND		0.20	0.025	ppb v/v			04/07/16 13:07	1
Methyl Ethyl Ketone	ND		0.50	0.052	ppb v/v			04/07/16 13:07	1
cis-1,2-Dichloroethene	ND		0.20	0.035	ppb v/v			04/07/16 13:07	1
1,2-Dichloroethene, Total	ND		0.40	0.035	ppb v/v			04/07/16 13:07	1

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

Lab Sample ID: MB 200-102871/4
Matrix: Air
Analysis Batch: 102871

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.082	ppb v/v			04/07/16 13:07	1
Tetrahydrofuran	ND		5.0	1.4	ppb v/v			04/07/16 13:07	1
1,1,1-Trichloroethane	ND		0.20	0.046	ppb v/v			04/07/16 13:07	1
Cyclohexane	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
Carbon tetrachloride	ND		0.20	0.032	ppb v/v			04/07/16 13:07	1
2,2,4-Trimethylpentane	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
Benzene	ND		0.20	0.042	ppb v/v			04/07/16 13:07	1
1,2-Dichloroethane	ND		0.20	0.041	ppb v/v			04/07/16 13:07	1
n-Heptane	ND		0.20	0.040	ppb v/v			04/07/16 13:07	1
Trichloroethene	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
Methyl methacrylate	ND		0.50	0.040	ppb v/v			04/07/16 13:07	1
1,2-Dichloropropane	ND		0.20	0.027	ppb v/v			04/07/16 13:07	1
1,4-Dioxane	ND		5.0	0.56	ppb v/v			04/07/16 13:07	1
Bromodichloromethane	ND		0.20	0.030	ppb v/v			04/07/16 13:07	1
cis-1,3-Dichloropropene	ND		0.20	0.023	ppb v/v			04/07/16 13:07	1
methyl isobutyl ketone	ND		0.50	0.050	ppb v/v			04/07/16 13:07	1
Toluene	ND		0.20	0.093	ppb v/v			04/07/16 13:07	1
trans-1,3-Dichloropropene	ND		0.20	0.034	ppb v/v			04/07/16 13:07	1
1,1,2-Trichloroethane	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
Tetrachloroethene	ND		0.20	0.023	ppb v/v			04/07/16 13:07	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.057	ppb v/v			04/07/16 13:07	1
Dibromochloromethane	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
1,2-Dibromoethane	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
Chlorobenzene	ND		0.20	0.049	ppb v/v			04/07/16 13:07	1
Ethylbenzene	ND		0.20	0.033	ppb v/v			04/07/16 13:07	1
m,p-Xylene	ND		0.50	0.071	ppb v/v			04/07/16 13:07	1
Xylene, o-	ND		0.20	0.037	ppb v/v			04/07/16 13:07	1
Xylene (total)	ND		0.70	0.037	ppb v/v			04/07/16 13:07	1
Styrene	ND		0.20	0.043	ppb v/v			04/07/16 13:07	1
Bromoform	ND		0.20	0.056	ppb v/v			04/07/16 13:07	1
Cumene	ND		0.20	0.030	ppb v/v			04/07/16 13:07	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
n-Propylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 13:07	1
4-Ethyltoluene	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
1,3,5-Trimethylbenzene	ND		0.20	0.039	ppb v/v			04/07/16 13:07	1
2-Chlorotoluene	ND		0.20	0.033	ppb v/v			04/07/16 13:07	1
tert-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
1,2,4-Trimethylbenzene	ND		0.20	0.043	ppb v/v			04/07/16 13:07	1
sec-Butylbenzene	ND		0.20	0.044	ppb v/v			04/07/16 13:07	1
4-Isopropyltoluene	ND		0.20	0.037	ppb v/v			04/07/16 13:07	1
1,3-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 13:07	1
1,4-Dichlorobenzene	ND		0.20	0.057	ppb v/v			04/07/16 13:07	1
Benzyl chloride	ND		0.20	0.053	ppb v/v			04/07/16 13:07	1
n-Butylbenzene	ND		0.20	0.047	ppb v/v			04/07/16 13:07	1
1,2-Dichlorobenzene	ND		0.20	0.055	ppb v/v			04/07/16 13:07	1
1,2,4-Trichlorobenzene	0.0969	J	0.50	0.068	ppb v/v			04/07/16 13:07	1
Hexachlorobutadiene	ND		0.20	0.082	ppb v/v			04/07/16 13:07	1
Naphthalene	0.0718	J	0.50	0.057	ppb v/v			04/07/16 13:07	1

QC Sample Results

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.40	ug/m3			04/07/16 13:07	1
Freon 22	ND		1.8	0.20	ug/m3			04/07/16 13:07	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.27	ug/m3			04/07/16 13:07	1
Chloromethane	ND		1.0	0.19	ug/m3			04/07/16 13:07	1
n-Butane	ND		1.2	0.19	ug/m3			04/07/16 13:07	1
Vinyl chloride	ND		0.51	0.082	ug/m3			04/07/16 13:07	1
1,3-Butadiene	ND		0.44	0.20	ug/m3			04/07/16 13:07	1
Bromomethane	ND		0.78	0.22	ug/m3			04/07/16 13:07	1
Chloroethane	ND		1.3	0.22	ug/m3			04/07/16 13:07	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.19	ug/m3			04/07/16 13:07	1
Trichlorofluoromethane	ND		1.1	0.21	ug/m3			04/07/16 13:07	1
Freon TF	ND		1.5	0.57	ug/m3			04/07/16 13:07	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			04/07/16 13:07	1
Acetone	ND		12	2.0	ug/m3			04/07/16 13:07	1
Isopropyl alcohol	ND		12	2.4	ug/m3			04/07/16 13:07	1
Carbon disulfide	ND		1.6	0.13	ug/m3			04/07/16 13:07	1
3-Chloropropene	ND		1.6	0.21	ug/m3			04/07/16 13:07	1
Methylene Chloride	ND		1.7	0.63	ug/m3			04/07/16 13:07	1
tert-Butyl alcohol	ND		15	2.6	ug/m3			04/07/16 13:07	1
Methyl tert-butyl ether	ND		0.72	0.32	ug/m3			04/07/16 13:07	1
trans-1,2-Dichloroethene	ND		0.79	0.17	ug/m3			04/07/16 13:07	1
n-Hexane	ND		0.70	0.19	ug/m3			04/07/16 13:07	1
1,1-Dichloroethane	ND		0.81	0.10	ug/m3			04/07/16 13:07	1
Methyl Ethyl Ketone	ND		1.5	0.15	ug/m3			04/07/16 13:07	1
cis-1,2-Dichloroethene	ND		0.79	0.14	ug/m3			04/07/16 13:07	1
1,2-Dichloroethene, Total	ND		1.6	0.14	ug/m3			04/07/16 13:07	1
Chloroform	ND		0.98	0.40	ug/m3			04/07/16 13:07	1
Tetrahydrofuran	ND		15	4.1	ug/m3			04/07/16 13:07	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/m3			04/07/16 13:07	1
Cyclohexane	ND		0.69	0.13	ug/m3			04/07/16 13:07	1
Carbon tetrachloride	ND		1.3	0.20	ug/m3			04/07/16 13:07	1
2,2,4-Trimethylpentane	ND		0.93	0.18	ug/m3			04/07/16 13:07	1
Benzene	ND		0.64	0.13	ug/m3			04/07/16 13:07	1
1,2-Dichloroethane	ND		0.81	0.17	ug/m3			04/07/16 13:07	1
n-Heptane	ND		0.82	0.16	ug/m3			04/07/16 13:07	1
Trichloroethene	ND		1.1	0.21	ug/m3			04/07/16 13:07	1
Methyl methacrylate	ND		2.0	0.16	ug/m3			04/07/16 13:07	1
1,2-Dichloropropane	ND		0.92	0.12	ug/m3			04/07/16 13:07	1
1,4-Dioxane	ND		18	2.0	ug/m3			04/07/16 13:07	1
Bromodichloromethane	ND		1.3	0.20	ug/m3			04/07/16 13:07	1
cis-1,3-Dichloropropene	ND		0.91	0.10	ug/m3			04/07/16 13:07	1
methyl isobutyl ketone	ND		2.0	0.20	ug/m3			04/07/16 13:07	1
Toluene	ND		0.75	0.35	ug/m3			04/07/16 13:07	1
trans-1,3-Dichloropropene	ND		0.91	0.15	ug/m3			04/07/16 13:07	1
1,1,2-Trichloroethane	ND		1.1	0.21	ug/m3			04/07/16 13:07	1
Tetrachloroethene	ND		1.4	0.16	ug/m3			04/07/16 13:07	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.23	ug/m3			04/07/16 13:07	1
Dibromochloromethane	ND		1.7	0.37	ug/m3			04/07/16 13:07	1
1,2-Dibromoethane	ND		1.5	0.30	ug/m3			04/07/16 13:07	1
Chlorobenzene	ND		0.92	0.23	ug/m3			04/07/16 13:07	1
Ethylbenzene	ND		0.87	0.14	ug/m3			04/07/16 13:07	1
m,p-Xylene	ND		2.2	0.31	ug/m3			04/07/16 13:07	1
Xylene, o-	ND		0.87	0.16	ug/m3			04/07/16 13:07	1
Xylene (total)	ND		3.0	0.16	ug/m3			04/07/16 13:07	1

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

Lab Sample ID: MB 200-102871/4
Matrix: Air
Analysis Batch: 102871

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.85	0.18	ug/m3			04/07/16 13:07	1
Bromoform	ND		2.1	0.58	ug/m3			04/07/16 13:07	1
Cumene	ND		0.98	0.15	ug/m3			04/07/16 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.30	ug/m3			04/07/16 13:07	1
n-Propylbenzene	ND		0.98	0.21	ug/m3			04/07/16 13:07	1
4-Ethyltoluene	ND		0.98	0.22	ug/m3			04/07/16 13:07	1
1,3,5-Trimethylbenzene	ND		0.98	0.19	ug/m3			04/07/16 13:07	1
2-Chlorotoluene	ND		1.0	0.17	ug/m3			04/07/16 13:07	1
tert-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 13:07	1
1,2,4-Trimethylbenzene	ND		0.98	0.21	ug/m3			04/07/16 13:07	1
sec-Butylbenzene	ND		1.1	0.24	ug/m3			04/07/16 13:07	1
4-Isopropyltoluene	ND		1.1	0.20	ug/m3			04/07/16 13:07	1
1,3-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 13:07	1
1,4-Dichlorobenzene	ND		1.2	0.34	ug/m3			04/07/16 13:07	1
Benzyl chloride	ND		1.0	0.27	ug/m3			04/07/16 13:07	1
n-Butylbenzene	ND		1.1	0.26	ug/m3			04/07/16 13:07	1
1,2-Dichlorobenzene	ND		1.2	0.33	ug/m3			04/07/16 13:07	1
1,2,4-Trichlorobenzene	0.719	J	3.7	0.50	ug/m3			04/07/16 13:07	1
Hexachlorobutadiene	ND		2.1	0.87	ug/m3			04/07/16 13:07	1
Naphthalene	0.377	J	2.6	0.30	ug/m3			04/07/16 13:07	1

Lab Sample ID: LCS 200-102871/3
Matrix: Air
Analysis Batch: 102871

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	8.89		ppb v/v		89	70 - 130
Freon 22	10.0	8.49		ppb v/v		85	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	9.78		ppb v/v		98	70 - 130
Chloromethane	10.0	8.29		ppb v/v		83	70 - 130
n-Butane	10.0	8.75		ppb v/v		88	70 - 130
Vinyl chloride	10.0	8.40		ppb v/v		84	70 - 130
1,3-Butadiene	10.0	8.36		ppb v/v		84	70 - 130
Bromomethane	10.0	8.80		ppb v/v		88	70 - 130
Chloroethane	10.0	8.71		ppb v/v		87	70 - 130
Bromoethene(Vinyl Bromide)	10.0	8.69		ppb v/v		87	70 - 130
Trichlorofluoromethane	10.0	8.63		ppb v/v		86	70 - 130
Freon TF	10.0	8.87		ppb v/v		89	70 - 130
1,1-Dichloroethene	10.0	8.48		ppb v/v		85	70 - 130
Acetone	10.0	9.13		ppb v/v		91	70 - 130
Isopropyl alcohol	10.0	7.18		ppb v/v		72	70 - 130
Carbon disulfide	10.0	9.99		ppb v/v		100	70 - 130
3-Chloropropene	10.0	8.89		ppb v/v		89	70 - 130
Methylene Chloride	10.0	8.55		ppb v/v		86	70 - 130
tert-Butyl alcohol	10.0	7.57		ppb v/v		76	70 - 130
Methyl tert-butyl ether	10.0	8.79		ppb v/v		88	70 - 130
trans-1,2-Dichloroethene	10.0	9.34		ppb v/v		93	70 - 130
n-Hexane	10.0	9.11		ppb v/v		91	70 - 130

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

Lab Sample ID: LCS 200-102871/3
Matrix: Air
Analysis Batch: 102871

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	10.0	9.02		ppb v/v		90	70 - 130
Methyl Ethyl Ketone	10.0	8.19		ppb v/v		82	70 - 130
cis-1,2-Dichloroethene	10.0	8.65		ppb v/v		86	70 - 130
Chloroform	10.0	8.87		ppb v/v		89	70 - 130
Tetrahydrofuran	10.0	7.84		ppb v/v		78	70 - 130
1,1,1-Trichloroethane	10.0	8.19		ppb v/v		82	70 - 130
Cyclohexane	10.0	8.16		ppb v/v		82	70 - 130
Carbon tetrachloride	10.0	8.30		ppb v/v		83	70 - 130
2,2,4-Trimethylpentane	10.0	7.90		ppb v/v		79	70 - 130
Benzene	10.0	8.14		ppb v/v		81	70 - 130
1,2-Dichloroethane	10.0	8.19		ppb v/v		82	70 - 130
n-Heptane	10.0	7.63		ppb v/v		76	70 - 130
Trichloroethene	10.0	7.68		ppb v/v		77	70 - 130
Methyl methacrylate	10.0	8.36		ppb v/v		84	70 - 130
1,2-Dichloropropane	10.0	8.04		ppb v/v		80	70 - 130
1,4-Dioxane	10.0	7.54		ppb v/v		75	70 - 130
Bromodichloromethane	10.0	8.22		ppb v/v		82	70 - 130
cis-1,3-Dichloropropene	10.0	8.50		ppb v/v		85	70 - 130
methyl isobutyl ketone	10.0	7.22		ppb v/v		72	70 - 130
Toluene	10.0	8.46		ppb v/v		85	70 - 130
trans-1,3-Dichloropropene	10.0	8.66		ppb v/v		87	70 - 130
1,1,2-Trichloroethane	10.0	8.48		ppb v/v		85	70 - 130
Tetrachloroethene	10.0	8.29		ppb v/v		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	7.23		ppb v/v		72	70 - 130
Dibromochloromethane	10.0	8.62		ppb v/v		86	70 - 130
1,2-Dibromoethane	10.0	8.69		ppb v/v		87	70 - 130
Chlorobenzene	10.0	8.46		ppb v/v		85	70 - 130
Ethylbenzene	10.0	8.45		ppb v/v		85	70 - 130
m,p-Xylene	20.0	16.8		ppb v/v		84	70 - 130
Xylene, o-	10.0	8.25		ppb v/v		82	70 - 130
Styrene	10.0	8.40		ppb v/v		84	70 - 130
Bromoform	10.0	9.09		ppb v/v		91	70 - 130
Cumene	10.0	8.27		ppb v/v		83	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.43		ppb v/v		84	70 - 130
n-Propylbenzene	10.0	8.42		ppb v/v		84	70 - 130
4-Ethyltoluene	10.0	8.73		ppb v/v		87	70 - 130
1,3,5-Trimethylbenzene	10.0	8.45		ppb v/v		85	70 - 130
2-Chlorotoluene	10.0	8.40		ppb v/v		84	70 - 130
tert-Butylbenzene	10.0	8.29		ppb v/v		83	70 - 130
1,2,4-Trimethylbenzene	10.0	8.42		ppb v/v		84	70 - 130
sec-Butylbenzene	10.0	8.43		ppb v/v		84	70 - 130
4-Isopropyltoluene	10.0	8.57		ppb v/v		86	70 - 130
1,3-Dichlorobenzene	10.0	8.55		ppb v/v		85	70 - 130
1,4-Dichlorobenzene	10.0	8.19		ppb v/v		82	70 - 130
Benzyl chloride	10.0	8.62		ppb v/v		86	70 - 130
n-Butylbenzene	10.0	8.54		ppb v/v		85	70 - 130
1,2-Dichlorobenzene	10.0	8.53		ppb v/v		85	70 - 130

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

Lab Sample ID: LCS 200-102871/3
Matrix: Air
Analysis Batch: 102871

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	7.33		ppb v/v		73	70 - 130
Hexachlorobutadiene	10.0	8.60		ppb v/v		86	70 - 130
Naphthalene	10.0	6.81	*	ppb v/v		68	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	44.0		ug/m3		89	70 - 130
Freon 22	35	30.0		ug/m3		85	70 - 130
1,2-Dichlorotetrafluoroethane	70	68.4		ug/m3		98	70 - 130
Chloromethane	21	17.1		ug/m3		83	70 - 130
n-Butane	24	20.8		ug/m3		88	70 - 130
Vinyl chloride	26	21.5		ug/m3		84	70 - 130
1,3-Butadiene	22	18.5		ug/m3		84	70 - 130
Bromomethane	39	34.2		ug/m3		88	70 - 130
Chloroethane	26	23.0		ug/m3		87	70 - 130
Bromoethene(Vinyl Bromide)	44	38.0		ug/m3		87	70 - 130
Trichlorofluoromethane	56	48.5		ug/m3		86	70 - 130
Freon TF	77	68.0		ug/m3		89	70 - 130
1,1-Dichloroethene	40	33.6		ug/m3		85	70 - 130
Acetone	24	21.7		ug/m3		91	70 - 130
Isopropyl alcohol	25	17.6		ug/m3		72	70 - 130
Carbon disulfide	31	31.1		ug/m3		100	70 - 130
3-Chloropropene	31	27.8		ug/m3		89	70 - 130
Methylene Chloride	35	29.7		ug/m3		86	70 - 130
tert-Butyl alcohol	30	23.0		ug/m3		76	70 - 130
Methyl tert-butyl ether	36	31.7		ug/m3		88	70 - 130
trans-1,2-Dichloroethene	40	37.0		ug/m3		93	70 - 130
n-Hexane	35	32.1		ug/m3		91	70 - 130
1,1-Dichloroethane	40	36.5		ug/m3		90	70 - 130
Methyl Ethyl Ketone	29	24.2		ug/m3		82	70 - 130
cis-1,2-Dichloroethene	40	34.3		ug/m3		86	70 - 130
Chloroform	49	43.3		ug/m3		89	70 - 130
Tetrahydrofuran	29	23.1		ug/m3		78	70 - 130
1,1,1-Trichloroethane	55	44.7		ug/m3		82	70 - 130
Cyclohexane	34	28.1		ug/m3		82	70 - 130
Carbon tetrachloride	63	52.2		ug/m3		83	70 - 130
2,2,4-Trimethylpentane	47	36.9		ug/m3		79	70 - 130
Benzene	32	26.0		ug/m3		81	70 - 130
1,2-Dichloroethane	40	33.2		ug/m3		82	70 - 130
n-Heptane	41	31.3		ug/m3		76	70 - 130
Trichloroethene	54	41.3		ug/m3		77	70 - 130
Methyl methacrylate	41	34.2		ug/m3		84	70 - 130
1,2-Dichloropropane	46	37.1		ug/m3		80	70 - 130
1,4-Dioxane	36	27.2		ug/m3		75	70 - 130
Bromodichloromethane	67	55.1		ug/m3		82	70 - 130
cis-1,3-Dichloropropene	45	38.6		ug/m3		85	70 - 130
methyl isobutyl ketone	41	29.6		ug/m3		72	70 - 130
Toluene	38	31.9		ug/m3		85	70 - 130
trans-1,3-Dichloropropene	45	39.3		ug/m3		87	70 - 130

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

Lab Sample ID: LCS 200-102871/3
Matrix: Air
Analysis Batch: 102871

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	55	46.2		ug/m3		85	70 - 130
Tetrachloroethene	68	56.2		ug/m3		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	29.6		ug/m3		72	70 - 130
Dibromochloromethane	85	73.4		ug/m3		86	70 - 130
1,2-Dibromoethane	77	66.8		ug/m3		87	70 - 130
Chlorobenzene	46	38.9		ug/m3		85	70 - 130
Ethylbenzene	43	36.7		ug/m3		85	70 - 130
m,p-Xylene	87	73.0		ug/m3		84	70 - 130
Xylene, o-	43	35.8		ug/m3		82	70 - 130
Styrene	43	35.8		ug/m3		84	70 - 130
Bromoform	100	93.9		ug/m3		91	70 - 130
Cumene	49	40.7		ug/m3		83	70 - 130
1,1,2,2-Tetrachloroethane	69	57.8		ug/m3		84	70 - 130
n-Propylbenzene	49	41.4		ug/m3		84	70 - 130
4-Ethyltoluene	49	42.9		ug/m3		87	70 - 130
1,3,5-Trimethylbenzene	49	41.6		ug/m3		85	70 - 130
2-Chlorotoluene	52	43.5		ug/m3		84	70 - 130
tert-Butylbenzene	55	45.5		ug/m3		83	70 - 130
1,2,4-Trimethylbenzene	49	41.4		ug/m3		84	70 - 130
sec-Butylbenzene	55	46.3		ug/m3		84	70 - 130
4-Isopropyltoluene	55	47.0		ug/m3		86	70 - 130
1,3-Dichlorobenzene	60	51.4		ug/m3		85	70 - 130
1,4-Dichlorobenzene	60	49.2		ug/m3		82	70 - 130
Benzyl chloride	52	44.6		ug/m3		86	70 - 130
n-Butylbenzene	55	46.9		ug/m3		85	70 - 130
1,2-Dichlorobenzene	60	51.3		ug/m3		85	70 - 130
1,2,4-Trichlorobenzene	74	54.4		ug/m3		73	70 - 130
Hexachlorobutadiene	110	91.8		ug/m3		86	70 - 130
Naphthalene	52	35.7	*	ug/m3		68	70 - 130

Lab Sample ID: 200-32860-1 DU
Matrix: Air
Analysis Batch: 102871

Client Sample ID: HC-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	0.42	J	0.501		ppb v/v		18	25
Freon 22	0.16	J	0.263	J F5	ppb v/v		50	25
1,2-Dichlorotetrafluoroethane	ND		ND		ppb v/v		NC	25
Chloromethane	0.59		0.767	F5	ppb v/v		27	25
n-Butane	0.14	J	0.230	J F5	ppb v/v		48	25
Vinyl chloride	0.22		0.267		ppb v/v		18	25
1,3-Butadiene	ND		ND		ppb v/v		NC	25
Bromomethane	ND		0.0761	J	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		0.226		ppb v/v		10	25
Freon TF	ND		0.0791	J	ppb v/v		NC	25
1,1-Dichloroethene	0.22		0.306	F5	ppb v/v		31	25

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

Lab Sample ID: 200-32860-1 DU
Matrix: Air
Analysis Batch: 102871

Client Sample ID: HC-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acetone	2.9	J		4.38	J F5	ppb v/v				42	25
Isopropyl alcohol	ND			ND		ppb v/v				NC	25
Carbon disulfide	0.20	J		0.301	J F5	ppb v/v				42	25
3-Chloropropene	ND			ND		ppb v/v				NC	25
Methylene Chloride	ND			ND		ppb v/v				NC	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	ND			ND		ppb v/v				NC	25
1,1-Dichloroethane	0.12	J		0.168	J F5	ppb v/v				37	25
Methyl Ethyl Ketone	0.35	J		0.430	J	ppb v/v				21	25
cis-1,2-Dichloroethene	2.5			2.93		ppb v/v				14	25
1,2-Dichloroethene, Total	2.5			2.93		ppb v/v				16	25
Chloroform	ND			ND		ppb v/v				NC	25
Tetrahydrofuran	ND			ND		ppb v/v				NC	25
1,1,1-Trichloroethane	0.28			0.296		ppb v/v				5	25
Cyclohexane	ND			ND		ppb v/v				NC	25
Carbon tetrachloride	0.082	J		0.0748	J	ppb v/v				9	25
2,2,4-Trimethylpentane	ND			ND		ppb v/v				NC	25
Benzene	ND			0.0617	J	ppb v/v				NC	25
1,2-Dichloroethane	ND			ND		ppb v/v				NC	25
n-Heptane	ND			ND		ppb v/v				NC	25
Trichloroethene	0.49			0.493		ppb v/v				0.3	25
Methyl methacrylate	ND			ND		ppb v/v				NC	25
1,2-Dichloropropane	ND			ND		ppb v/v				NC	25
1,4-Dioxane	ND			ND		ppb v/v				NC	25
Bromodichloromethane	ND			ND		ppb v/v				NC	25
cis-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
methyl isobutyl ketone	ND			ND		ppb v/v				NC	25
Toluene	0.096	J		0.129	J F5	ppb v/v				29	25
trans-1,3-Dichloropropene	ND			ND		ppb v/v				NC	25
1,1,2-Trichloroethane	ND			ND		ppb v/v				NC	25
Tetrachloroethene	ND			ND		ppb v/v				NC	25
Methyl Butyl Ketone (2-Hexanone)	ND			ND		ppb v/v				NC	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	ND			ND		ppb v/v				NC	25
m,p-Xylene	ND			0.0737	J	ppb v/v				NC	25
Xylene, o-	ND			ND		ppb v/v				NC	25
Xylene (total)	ND			0.0737	J	ppb v/v				NC	25
Styrene	ND			ND		ppb v/v				NC	25
Bromoform	ND			ND		ppb v/v				NC	25
Cumene	ND			ND		ppb v/v				NC	25
1,1,2,2-Tetrachloroethane	ND			ND		ppb v/v				NC	25
n-Propylbenzene	ND			ND		ppb v/v				NC	25
4-Ethyltoluene	ND			ND		ppb v/v				NC	25

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

Lab Sample ID: 200-32860-1 DU
Matrix: Air
Analysis Batch: 102871

Client Sample ID: HC-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,3,5-Trimethylbenzene	ND			ND		ppb v/v				NC	25
2-Chlorotoluene	ND			ND		ppb v/v				NC	25
tert-Butylbenzene	ND			ND		ppb v/v				NC	25
1,2,4-Trimethylbenzene	ND			ND		ppb v/v				NC	25
sec-Butylbenzene	ND			ND		ppb v/v				NC	25
4-Isopropyltoluene	0.054	J		0.0606	J	ppb v/v				11	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	ND			ND		ppb v/v				NC	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
Naphthalene	ND			ND	*	ppb v/v				NC	25

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	2.1	J		2.48		ug/m3				18	25
Freon 22	0.56	J		0.931	J F5	ug/m3				50	25
1,2-Dichlorotetrafluoroethane	ND			ND		ug/m3				NC	25
Chloromethane	1.2			1.58	F5	ug/m3				27	25
n-Butane	0.33	J		0.546	J F5	ug/m3				48	25
Vinyl chloride	0.57			0.682		ug/m3				18	25
1,3-Butadiene	ND			ND		ug/m3				NC	25
Bromomethane	ND			0.296	J	ug/m3				NC	25
Chloroethane	ND			ND		ug/m3				NC	25
Bromoethene(Vinyl Bromide)	ND			ND		ug/m3				NC	25
Trichlorofluoromethane	1.1			1.27		ug/m3				10	25
Freon TF	ND			0.606	J	ug/m3				NC	25
1,1-Dichloroethene	0.89			1.21	F5	ug/m3				31	25
Acetone	6.8	J		10.4	J F5	ug/m3				42	25
Isopropyl alcohol	ND			ND		ug/m3				NC	25
Carbon disulfide	0.61	J		0.939	J F5	ug/m3				42	25
3-Chloropropene	ND			ND		ug/m3				NC	25
Methylene Chloride	ND			ND		ug/m3				NC	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	ND			ND		ug/m3				NC	25
1,1-Dichloroethane	0.47	J		0.681	J F5	ug/m3				37	25
Methyl Ethyl Ketone	1.0	J		1.27	J	ug/m3				21	25
cis-1,2-Dichloroethene	10			11.6		ug/m3				14	25
1,2-Dichloroethene, Total	9.9			11.6		ug/m3				16	25
Chloroform	ND			ND		ug/m3				NC	25
Tetrahydrofuran	ND			ND		ug/m3				NC	25
1,1,1-Trichloroethane	1.5			1.61		ug/m3				5	25
Cyclohexane	ND			ND		ug/m3				NC	25
Carbon tetrachloride	0.52	J		0.471	J	ug/m3				9	25
2,2,4-Trimethylpentane	ND			ND		ug/m3				NC	25

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

Lab Sample ID: 200-32860-1 DU
Matrix: Air
Analysis Batch: 102871

Client Sample ID: HC-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	ND			0.197	J	ug/m3				NC	25
1,2-Dichloroethane	ND			ND		ug/m3				NC	25
n-Heptane	ND			ND		ug/m3				NC	25
Trichloroethene	2.6			2.65		ug/m3				0.3	25
Methyl methacrylate	ND			ND		ug/m3				NC	25
1,2-Dichloropropane	ND			ND		ug/m3				NC	25
1,4-Dioxane	ND			ND		ug/m3				NC	25
Bromodichloromethane	ND			ND		ug/m3				NC	25
cis-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
methyl isobutyl ketone	ND			ND		ug/m3				NC	25
Toluene	0.36	J		0.487	J F5	ug/m3				29	25
trans-1,3-Dichloropropene	ND			ND		ug/m3				NC	25
1,1,2-Trichloroethane	ND			ND		ug/m3				NC	25
Tetrachloroethene	ND			ND		ug/m3				NC	25
Methyl Butyl Ketone (2-Hexanone)	ND			ND		ug/m3				NC	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	ND			ND		ug/m3				NC	25
m,p-Xylene	ND			0.320	J	ug/m3				NC	25
Xylene, o-	ND			ND		ug/m3				NC	25
Xylene (total)	ND			0.320	J	ug/m3				NC	25
Styrene	ND			ND		ug/m3				NC	25
Bromoform	ND			ND		ug/m3				NC	25
Cumene	ND			ND		ug/m3				NC	25
1,1,2,2-Tetrachloroethane	ND			ND		ug/m3				NC	25
n-Propylbenzene	ND			ND		ug/m3				NC	25
4-Ethyltoluene	ND			ND		ug/m3				NC	25
1,3,5-Trimethylbenzene	ND			ND		ug/m3				NC	25
2-Chlorotoluene	ND			ND		ug/m3				NC	25
tert-Butylbenzene	ND			ND		ug/m3				NC	25
1,2,4-Trimethylbenzene	ND			ND		ug/m3				NC	25
sec-Butylbenzene	ND			ND		ug/m3				NC	25
4-Isopropyltoluene	0.30	J		0.333	J	ug/m3				11	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	ND			ND		ug/m3				NC	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	ND			ND	*	ug/m3				NC	25

QC Association Summary

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Air - GC/MS VOA

Analysis Batch: 102833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-32860-1	HC-1A	Total/NA	Air	TO-15	
200-32860-2	HC-2A	Total/NA	Air	TO-15	
200-32860-3	HC-3A	Total/NA	Air	TO-15	
200-32860-4	HC-4A	Total/NA	Air	TO-15	
200-32860-5	HC-5A	Total/NA	Air	TO-15	
200-32860-6	HC-6A	Total/NA	Air	TO-15	
200-32860-7	HC-7A	Total/NA	Air	TO-15	
200-32860-8	HC-8A	Total/NA	Air	TO-15	
LCS 200-102833/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-102833/5	Method Blank	Total/NA	Air	TO-15	

Analysis Batch: 102871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-32860-1 DU	HC-1A	Total/NA	Air	TO-15	
200-32860-2 - DL	HC-2A	Total/NA	Air	TO-15	
200-32860-3 - DL	HC-3A	Total/NA	Air	TO-15	
200-32860-4 - DL	HC-4A	Total/NA	Air	TO-15	
LCS 200-102871/3	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-102871/4	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-1A — Lab Sample ID: 200-32860-1

Date Collected: 04/02/16 17:20 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	102833	04/07/16 02:27	GGG	TAL BUR

Client Sample ID: HC-2A — Lab Sample ID: 200-32860-2

Date Collected: 04/02/16 17:10 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	DL	3.03	102871	04/08/16 07:08	GGG	TAL BUR
Total/NA	Analysis	TO-15		1	102833	04/07/16 03:21	GGG	TAL BUR

Client Sample ID: HC-3A — Lab Sample ID: 200-32860-3

Date Collected: 04/02/16 17:15 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	DL	2.5	102871	04/08/16 09:24	GGG	TAL BUR
Total/NA	Analysis	TO-15		1	102833	04/07/16 04:14	GGG	TAL BUR

Client Sample ID: HC-4A — Lab Sample ID: 200-32860-4

Date Collected: 04/02/16 17:00 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	DL	2	102871	04/08/16 10:15	GGG	TAL BUR
Total/NA	Analysis	TO-15		1	102833	04/07/16 05:08	GGG	TAL BUR

Client Sample ID: HC-5A — Lab Sample ID: 200-32860-5

Date Collected: 04/02/16 16:50 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	102833	04/07/16 06:01	GGG	TAL BUR

Client Sample ID: HC-6A — Lab Sample ID: 200-32860-6

Date Collected: 04/02/16 16:45 — **Matrix: Air**
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	102833	04/07/16 07:08	GGG	TAL BUR

Lab Chronicle

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

TestAmerica Job ID: 200-32860-1
SDG: 200-32860-1

Client Sample ID: HC-7A

Lab Sample ID: 200-32860-7
Date Collected: 04/02/16 16:40
Matrix: Air
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	102833	04/07/16 09:43	GGG	TAL BUR

Client Sample ID: HC-8A

Lab Sample ID: 200-32860-8
Date Collected: 04/02/16 16:55
Matrix: Air
Date Received: 04/05/16 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	102833	04/07/16 10:37	GGG	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: 200-32860-1
SDG: 200-32860-1

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	02-02-17
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	04-01-17 *
Pennsylvania	NELAP	3	68-00489	04-30-16 *
Rhode Island	State Program	1	LAO00298	12-30-16
US Fish & Wildlife	Federal		LE-058448-0	10-31-16
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: 200-32860-1
SDG: 200-32860-1

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: 200-32860-1
SDG: 200-32860-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-32860-1	HC-1A	Air	04/02/16 17:20	04/05/16 10:15
200-32860-2	HC-2A	Air	04/02/16 17:10	04/05/16 10:15
200-32860-3	HC-3A	Air	04/02/16 17:15	04/05/16 10:15
200-32860-4	HC-4A	Air	04/02/16 17:00	04/05/16 10:15
200-32860-5	HC-5A	Air	04/02/16 16:50	04/05/16 10:15
200-32860-6	HC-6A	Air	04/02/16 16:45	04/05/16 10:15
200-32860-7	HC-7A	Air	04/02/16 16:40	04/05/16 10:15
200-32860-8	HC-8A	Air	04/02/16 16:55	04/05/16 10:15

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: STEVE TYLER 1 of 2 COCs
Company: CORR ENV. RES.	Phone: 972-523-0487	
Address: 4609 CANDLE STICK/GARLAND	Email: correre@verizon.net	
City/State/Zip ~~Candle Stick~~ /TX/75043		
Phone: 972-523-0487	Site Contact: Steve Tyler	
FAX:	TA Contact:	
Project Name: DAIKIN	**Analysis Turnaround Time**	
Site:	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-1a	4.2.16	0905	1720	+1.8	-3	2616	2637	✓											
HC-2a		0900	1710	+1	-4	2768	2885	✓											
HC-3a		0900	1715	0	-5	4747	4347	✓											
HC-4a		0855	1700	+1	-3	5342	3515	✓											
HC-5a		0845	1650	0	-5	4041	3200	✓											
HC-6a		0840	1645	0	-18	3296	4325	✓											

20006359

Temperature (Fahrenheit)	Interior	Ambient
Start	69	69
Stop	71	72

Pressure (inches of Hg)	Interior	Ambient
Start	29.68	29.68
Stop	29.75	29.75

200-32860 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: STEVE TYLER	Date/Time: 4.4.16 / 0900	Samples Received by:	4/5/16 ~~1010~~ 1015 SV
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only 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 Robin	Samples Collected By: Steve Tyler	2 of 2 COCs
Company: CORR ENV. RES.	Phone: 972-523-0487		
Address: 4609 Cowan Stick	Email: Correr@verizon.net		
City/State/Zip Garland / TX / 75043			
Phone: 972-523-0487	Site Contact: Steve Tyler		
FAX:	TA Contact:		
Project Name:	**Analysis Turnaround Time**		
Site:	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-7a	4.2.16	0830	1640	0	-5	4492	2876	✓											
HC-8a	"	0850	1655	0	-3	3933	3217	✓											

20006359

Temperature (Fahrenheit)	Interior	Ambient
Start	69	69
Stop	71	72

Pressure (inches of Hg)	Interior	Ambient
Start	29.68	29.68
Stop	29.75	29.75

Special Instructions/QC Requirements & Comments:

Samples Shipped by: Steve Tyler	Date/Time: 4.4.16 / 0900	Samples Received by:	4/5/16 ~~1010~~ 1015 SL
Samples Relinquished by:	Date/Time:	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

ORIGIN ID:BTVA (910) 792-1515
C/O STEVE TYLER
S&R PACKING AND CRATING
602 SUNNYVALE DRIVE

WILMINGTON, NC 28412
UNITED STATES US

SHIP DATE: 29MAR16
ACTWGT: 5.0 LB MAN
CAD: 000890364/CAFE2912
DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S200-15971
RMA: S200-15971

FedEx Express

TRK# 0221 6702 0029 0631

RETURNS MON-FRI
PRIORITY OVERNIGHT

FedEx
TRK# 0221 6702 0029 0631

TUE - 05 APR 10:30A
PRIORITY OVERNIGHT

NC BTVA

05403
VT-US BTV

ORIGIN ID:BTVA (910) 792-1515
C/O STEVE TYLER
S&R PACKING AND CRATING
602 SUNNYVALE DRIVE

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SHIP DATE: 29MAR16
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DIMS: 20x20x14 IN

BILL SENDER

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S200-15971
RMA: S200-15971

FedEx Express

FedEx
TRK# 0221 6702 0029 0642

TUE - 05 APR 10:30A
PRIORITY OVERNIGHT

NC BTVA

05403
VT-US BTV

12/2016

Login Sample Receipt Checklist

Client: CORR Environmental Resources Inc

Job Number: 200-32860-1
SDG Number: 200-32860-1

Login Number: 32860
List Number: 1
Creator: Lavigne III, Scott M

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	Not present
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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

200-32706-A-10
4778
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/26/2016 12:00 AM 200-913211

Loc: 200
32706
#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		
Bottom	50	3/26/16	MS	6L	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4325		-29.7	-29.7	0
2	4808		-29.5		+0.2
3	2637		-29.7		0
4	4347		-29.7		0
5	2876		-29.7		0
6	3217		-29.7		0
7	3642		-29.7		0
8	2815		-29.7		0
9	3200		-29.7		0
~~10~~	4778	-28.5	-30.0	-30.0	0
11	2885		-29.7		0
12	4015		-29.7		0

Initial Reading	Final Reading	~~Final Reading~~
Gauge ID: 69	Gauge ID: 69	69
Date: 3/28/16	Date: 3/29/16	3/28/16
Time: 900	Time: 1540	945
Tech: MS	Tech: S	MS
BP: 29.4 ("Hg)	BP: 29.6 ("Hg)	29.9 ("Hg)
Temp 23 (℃)	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
4778	3/29/16	19024	VMD		✓				3/29/16	ANI

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.: 200-32706-1

SDG No.:

Client Sample ID: 4778 | Lab Sample ID: 200-32706-10

Matrix: Air | Lab File ID: 19024_17.D

Analysis Method: TO-15 | Date Collected: 03/26/2016 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 03/28/2016 23:59

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.: 102329 | 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.: 200-32706-1
SDG No.:
Client Sample ID: 4778
Lab Sample ID: 200-32706-10
Matrix: Air
Lab File ID: 19024_17.D
Analysis Method: TO-15
Date Collected: 03/26/2016 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 03/28/2016 23:59
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.: 102329
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.: 200-32706-1

SDG No.:

Client Sample ID: 4778 Lab Sample ID: 200-32706-10

Matrix: Air Lab File ID: 19024_17.D

Analysis Method: TO-15 Date Collected: 03/26/2016 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/28/2016 23:59

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.: 102329 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\20160328-19024.b\19024_17.D
Lims ID: 200-32706-A-10 Lab Sample ID: 200-32706-10
Client ID: 4778
Sample Type: Client
Inject. Date: 28-Mar-2016 23:59:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0019024-017
Misc. Info.: 32706-10
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20160328-19024.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Mar-2016 12:27:13 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: XAWRK002

First Level Reviewer: desjardinsb Date: 29-Mar-2016 12:27:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.092				ND	
2 Dichlorodifluoromethane	85		3.161				ND	
3 Chlorodifluoromethane	51		3.209				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423				ND	
5 Chloromethane	50		3.557				ND	
6 Butane	43		3.750				ND	
7 Vinyl chloride	62		3.798				ND	
8 Butadiene	54		3.873				ND	
9 Bromomethane	94		4.536				ND	
10 Chloroethane	64		4.761				ND	
12 Vinyl bromide	106		5.141				ND	
13 Trichlorofluoromethane	101		5.232				ND	
15 Ethanol	45		5.825				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.280				ND	
20 1,1-Dichloroethene	96		6.339				ND	
21 Acetone	43		6.590				ND	
22 Carbon disulfide	76		6.740				ND	
23 Isopropyl alcohol	45		6.906				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.425	7.420	0.005	80	2553	0.1369	
28 2-Methyl-2-propanol	59		7.698				ND	
29 Methyl tert-butyl ether	73		7.837				ND	
30 trans-1,2-Dichloroethene	61		7.858				ND	
32 Hexane	57		8.238				ND	
33 1,1-Dichloroethane	63		8.757				ND	
34 Vinyl acetate	43		8.827				ND	
35 cis-1,2-Dichloroethene	96		9.907				ND	
36 2-Butanone (MEK)	72		9.961				ND	
37 Ethyl acetate	88		9.993				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.394	10.405	-0.011	76	232048	10.0	

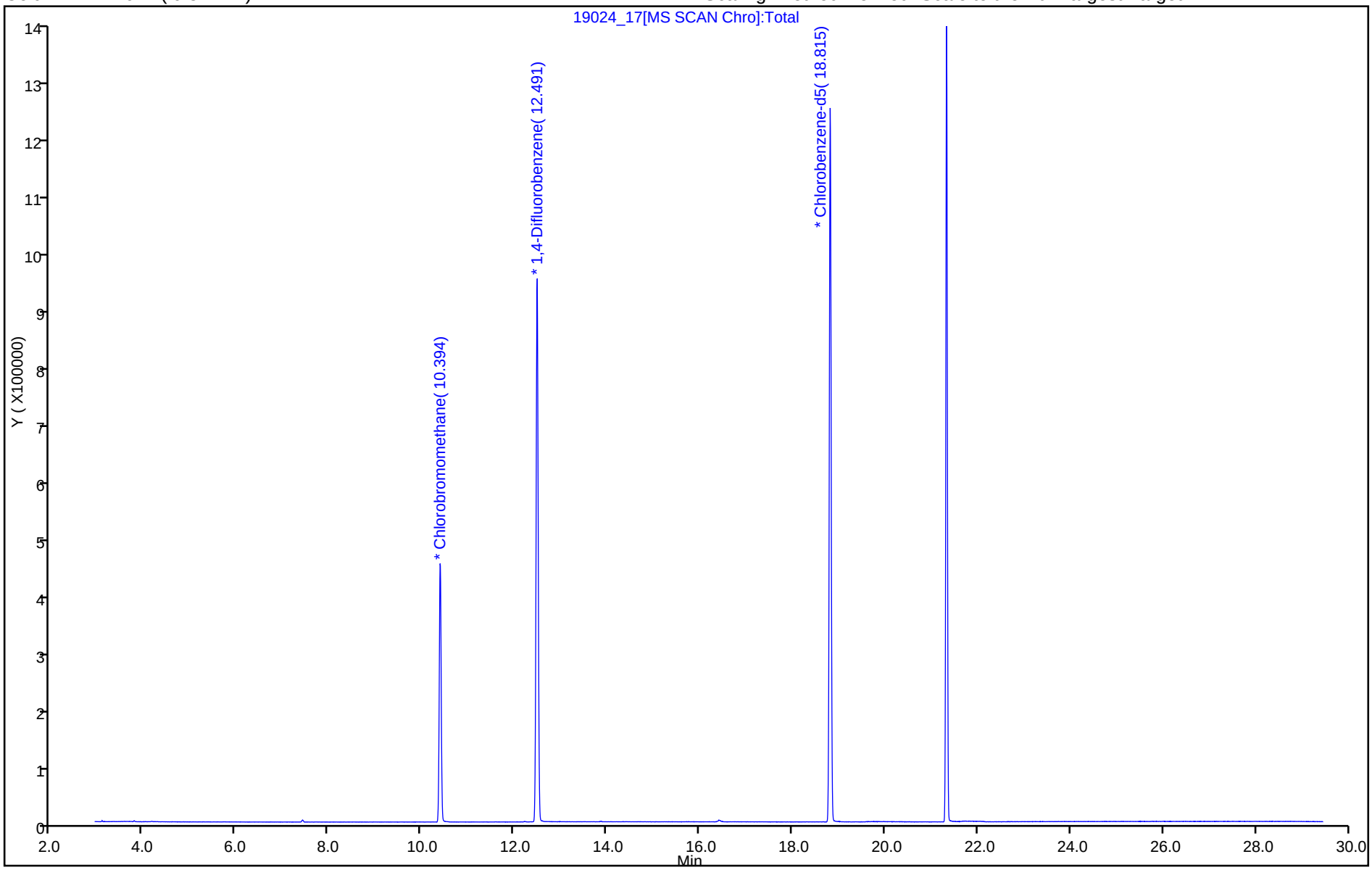
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.410				ND	
41 Chloroform	83		10.533				ND	
42 Cyclohexane	84		10.785				ND	
43 1,1,1-Trichloroethane	97		10.817				ND	
44 Carbon tetrachloride	117		11.084				ND	
45 Isooctane	57		11.539				ND	
46 Benzene	78		11.587				ND	
47 1,2-Dichloroethane	62		11.790				ND	
48 n-Heptane	43		11.956				ND	
* 50 1,4-Difluorobenzene	114	12.491	12.491	0.000	92	1491170	10.0	
52 Trichloroethene	95		12.994				ND	
53 1,2-Dichloropropane	63		13.588				ND	
54 Methyl methacrylate	69		13.759				ND	
55 1,4-Dioxane	88		13.834				ND	
56 Dibromomethane	174	13.866	13.861	0.005	56	525	0.0101	
57 Dichlorobromomethane	83		14.171				ND	
58 cis-1,3-Dichloropropene	75		15.139				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.460				ND	
62 Toluene	92		15.749				ND	
67 trans-1,3-Dichloropropene	75		16.391				ND	
68 1,1,2-Trichloroethane	83		16.787				ND	
69 Tetrachloroethene	166		16.883				ND	
70 2-Hexanone	43		17.263				ND	
71 Chlorodibromomethane	129		17.589				ND	
72 Ethylene Dibromide	107		17.878				ND	
* 73 Chlorobenzene-d5	117	18.815	18.815	0.000	82	1351031	10.0	
74 Chlorobenzene	112		18.879				ND	
75 Ethylbenzene	91		19.034				ND	
77 m-Xylene & p-Xylene	106		19.296				ND	
S 80 Xylenes, Total	106		20.000				ND	
78 o-Xylene	106		20.195				ND	
79 Styrene	104		20.254				ND	
81 Bromoform	173		20.719				ND	
82 Isopropylbenzene	105		20.928				ND	
85 1,1,2,2-Tetrachloroethane	83		21.634				ND	
86 N-Propylbenzene	91		21.693				ND	
89 4-Ethyltoluene	105		21.891				ND	
90 2-Chlorotoluene	91		21.901				ND	
91 1,3,5-Trimethylbenzene	105		22.003				ND	
93 tert-Butylbenzene	119		22.517				ND	
94 1,2,4-Trimethylbenzene	105		22.613				ND	
95 sec-Butylbenzene	105		22.854				ND	
96 4-Isopropyltoluene	119		23.062				ND	
97 1,3-Dichlorobenzene	146		23.100				ND	
98 1,4-Dichlorobenzene	146		23.239				ND	
99 Benzyl chloride	91		23.447				ND	
101 n-Butylbenzene	91		23.656				ND	
102 1,2-Dichlorobenzene	146		23.795				ND	
104 1,2,4-Trichlorobenzene	180		26.395				ND	
105 Hexachlorobutadiene	225		26.582				ND	
106 Naphthalene	128		26.898				ND	

Reagents:

ATTO15GIS_00013 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 29-Mar-2016 12:27:14 Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20160328-19024.b\19024_17.D				
Injection Date:	28-Mar-2016 23:59:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-32706-A-10	Lab Sample ID:	200-32706-10	Worklist Smp#:	17
Client ID:	4778				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	16
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