

**C&S Companies**

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December 1, 2020

Anthony Lopes, P.E.  
NYSDEC - Region 9, Buffalo  
Division of Environmental Remediation  
270 Michigan Avenue  
Buffalo, New York, 14203

Re: *Soil Vapor Intrusion Investigation Report*  
*240 - 260 Lakefront Boulevard Site (C915340), Buffalo, New York*

Mr. Lopes:

On behalf of Lakefront Boulevard, LLC, C&S Engineers (C&S) is providing this report on collected soil vapor samples within the new building located at 240 Lakefront Boulevard in Buffalo, New York.

## **I. PROJECT UNDERSTANDING**

The Site is an approximately a 2.09-acre area and is bounded by the Lakefront Boulevard to the northeast, Marina Parks townhomes to the south, Ojibwa Circle to the east, and Erie Basin Marina to the west.

Lakefront Boulevard, LLC entered into a Brownfield Cleanup Agreement (BCA) on February 13, 2019 with the NYSDEC to remediate the Site to achieve a Track 4 Restricted Residential Use Level Cleanup. A Site Management Plan (SMP) was prepared and approved by the NYSDEC and NYSDOH to manage the remaining contamination at the Site. The SMP states that after each building is enclosed, indoor air samples and air samples from the vent piping will be collected to evaluate if the passive system will need to be converted to an active system.

## **II. NATURE AND EXTENT OF GROUNDWATER CONTAMINATION**

### **A. Historic Fill Material**

Environmental impacts to the Site consist of unregulated historic fill material. Based on investigations conducted to date, the known contaminants of concern in the historic fill include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals. The variation in analyte concentrations across the Site indicates that the source of contamination in soil samples is the variable historic fill material and no discrete source is located on-site or off-site.

Remaining contaminated historic fill is present throughout the Site from underneath the demarcation layer (2 feet below grade) to a depth of 32 feet below grade. Contaminated historic fill extends horizontally across the entire BCP boundary. The approximate area of contaminated material is 91,040 square feet (2.09 acres).

## B. Groundwater

The Remedial Investigation included second round of groundwater sampling in May 2019. The results of the groundwater sampling are provided below:

### VOCs

- Acetone was detected above the TOGS in only two wells (MW-01 and MW-04). Benzene was detected slightly above TOGS in MW-03 and MW-04. Concentrations ranged from 1.1 ug/l to 2.9 ug/l.

### SVOCs

- Phenol was detected above the TOGS in two wells (MW-01 and MW-04); concentrations were 320 ug/l and 790 ug/l, respectively.
- Naphthalene was detected at 35 ug/l in MW-03.
- Multiple PAHs including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Indeno(1,2,3-cd) pyrene were detected above TOGS in all six monitoring wells.
- Pentachlorophenol was detected in MW-04 at 3.4 ug/l.

### PCBs

- PCBs were detected above TOGS in MW-03 and MW-05. Total PCB concentrations are 0.102 ug/l and 0.605 ug/l, respectively.

### Metals

- Metals commonly found in regional groundwater such as aluminum, iron, magnesium, manganese, and sodium were detected at concentrations above TOGS in all six wells.
- Lead was detected in four wells (MW-01, MW-04, MW-05 and MW-06). Concentrations ranged from 70 ug/l to 339 ug/l.

## C. Soil Vapor

The Remedial Investigation included sampling of soil vapor in April 2019. The results of the two soil vapor samples are provided below:

### VOCs

- Sample SVI-01: only one chlorinated VOC, methylene chloride, was detected at 1.7 micrograms per cubic meter (ug/m<sup>3</sup>). Total concentration of other VOCs in this sample is 2,515 ug/m<sup>3</sup>. Acetone was detected at 1,900 ug/m<sup>3</sup> in this sample; however, acetone is a common

laboratory contaminant. This acetone concentration may indicate a residual laboratory artifact.

- Sample SVI-02: two chlorinated VOCs, methylene chloride and vinyl chloride, were both detected at 1.8 ug/m<sup>3</sup>. Total concentration of other VOCs in this sample is 1,215 ug/m<sup>3</sup>. Acetone was detected at 870 ug/m<sup>3</sup> in this sample

### III. **BUILDING CONSTRUCTION AND USAGE**

The Site was purchased in order to redevelop the property under the BCP to construct one eight-unit townhome and three four-unit townhomes. Each townhome is a slab-on-grade construction with a garage on the first floor and the living spaces above.

#### A. Passive Sub-slab Depressurization System

Each building was constructed with a passive sub-slab depressurization system. The system underneath all building floor slabs consists of a 10 mil vapor barrier and a network of perforated pipes to collect and passively exhaust sub-slab air. **Figure 3** shows the as-built layout of the sub-slab depressurization system (SSDS) installed on the new eight-unit townhome. These systems were designed such that each could be converted to an active SSDS if sampling results indicate that elevated VOC concentrations are detected in the buildings.

### IV. **SOIL VAPOR SAMPLING**

The sampling program was designed to determine if sub-slab and interior conditions require the passive SSDS to be converted into an active SSDS.

The sampling program was completed in accordance with the NYSDOH, "Guidance for Evaluating Soil Vapor Intrusion in New York State, 2006." The air sampling locations for this investigation are shown on **Figure 1**.

#### ***Sub-slab Sampling***

The following approach was used to collect the sub-slab samples:

- C&S collected three sub-slab air samples within the building using the following methods:
  - Sub-slab samples were collected from the risers of the new passive SSDS.
  - Prior to sampling from the SSDS, the exhaust pipes on the roof of the building were plugged.
  - The sub-slab sampling point was purged 1 to 3 tubing volumes at a rate that did not exceed 0.2 L/m to ensure that a representative sample of soil vapor were obtained. During purging, the purged soil gas was tested for the tracer gas by an appropriate meter (i.e., a meter capable of measuring the concentration of the tracer gas in at least percentage increments). Tracer gas was not detected at a concentration of 10% or greater.
  - Subsequent to purging, a certified clean summa canister equipped with a laboratory calibrated regulator was connected to the tubing to collect the sample over a 24-hour period.
  - At the end of sampling, at least one inch of vacuum remained in the summa canister to meet data quality objectives.

- C&S also collected three air samples to evaluate indoor air quality. The indoor air samples were co-located with the sub-slab vapor samples. The sampling devices were placed approximately three to five feet off the ground floor for sample collection purposes and samples will be collected using a Summa canister equipped with a laboratory calibrated regulator over a 24-hour period.
- C&S collected one outdoor air sample to characterize background air quality in the vicinity of the building as a means to evaluate the sub-slab and indoor air results. The sampling device was placed approximately three to five feet off the ground for sample collection purposes. The outdoor air sample was collected using a Summa canister equipped with a laboratory calibrated regulator over a 24-hour period.
- A total of seven air samples were collected from the new building.
- Sampling was conducted on November 19, 2020 through November 20, 2020. Weather conditions were partly sunny, approximately 50 F to 60 F with 25 mph wind gusts from the west.
- Air samples were collected from the first of four buildings to be constructed on this Site. The only building constructed on this Site to date is a three-story eight unit townhome.
- At the time of sampling, the townhome was still under construction. The townhomes were vacant and unfurnished. The heating system was operational during the sample event.

### ***Laboratory Analysis of Air Samples***

The collected samples were sent to Centek laboratories in Syracuse, New York on November 20, 2020 and analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method TO-15. Centek is an NYSDOH ELAP certified laboratory.

## **V. FINDINGS**

The analytical results for the samples have been compared to the guidance values outlined in the NYSDOH 2006 guidance document (updated May 2017, including updates to the matrices). Results are summarized in **Table 1**. The findings of this investigation are provided below:

- Regulated chlorinated volatile organic compounds (CVOC) were non-detect or detected at low concentrations that are below NYSDOH matrices in all samples.
- All air samples, including the outdoor air sample, contained low level concentrations of methylene chloride that ranged from 0.52 ug/m<sup>3</sup> to 1.9 ug/m<sup>3</sup>. The highest concentration of methylene chloride was detected in the outdoor air sample, OA-01. Based on NYSDOH Matrix B, No Further Action for methylene chloride consists of the following:

<b>Indoor Air Concentration (ug/m<sup>3</sup>)</b>	< 3	< 3	3 to < 10
<b>Sub-slab Vapor Concentration (ug/m<sup>3</sup>)</b>	< 100	100 to < 1,000	< 100

- All indoor air samples contained low level concentrations of carbon tetrachloride that ranged from 0.38 ug/m<sup>3</sup> to 0.44 ug/m<sup>3</sup>. Carbon tetrachloride was not detected in sub-slab samples. Based on NYSDOH Matrix A, No Further Action for carbon tetrachloride consists of the following:

<b>Indoor Air Concentration (ug/m<sup>3</sup>)</b>	< 0.2	< 0.2	0.2 to < 1
<b>Sub-slab Vapor Concentration (ug/m<sup>3</sup>)</b>	< 6	6 to < 60	< 6

- The highest concentration of regulated CVOCs was vinyl chloride in SS-01 at 3.5 ug/m<sup>3</sup>. This sample was collected from the sub-slab vapor system. Vinyl chloride was not detected in the indoor air sample collected at this location. Based on NYSDOH Matrix C, No Further Action for vinyl chloride consists of the following:

<b>Indoor Air Concentration (ug/m<sup>3</sup>)</b>	< 0.2
<b>Sub-slab Vapor Concentration (ug/m<sup>3</sup>)</b>	< 6

- Petroleum based VOCs were not detected or detected at low concentrations.
- Previous soil vapor samples collected during Remedial Investigation detected acetone at concentrations of 870 ug/m<sup>3</sup> and 1,900 ug/m<sup>3</sup>. Acetone was detected at lower concentrations and ranged from 12 ug/m<sup>3</sup> to 180 ug/m<sup>3</sup>. The highest concentration of acetone was detected in SS-03 at 180 ug/m<sup>3</sup>; however, the indoor air sample, IA-02, contained acetone at 12 ug/m<sup>3</sup>.

## VI. RECOMMENDATIONS

Based on the results of this investigation, C&S Engineers, recommends the passive sub-slab depressurization system remain operational for the eight unit townhome. This system does not require modification to an active sub-slab depressurization system.

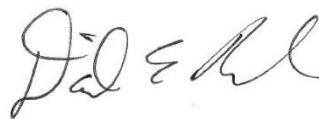
Should you have any questions regarding this work plan, please feel free to contact me at (716) 847-1630.

Sincerely,

C&S ENGINEERS, INC.



Cody Martin  
Project Environmental Scientist



Daniel E. Riker, P.G.  
Department Manager – Environmental Services

TABLE 1

**VAPOR SAMPLING RESULTS**  
**240-260 LAKEFRONT BOULEVARD**  
**BUFFALO, NEW YORK**



Location ID	SS-01	IA-01	SS-02	IA-02	SS-03	IA-03	OA-01
Date Sampled	11/20/2020	11/20/2020	11/21/2020	11/20/2020	11/22/2020	11/20/2020	11/20/2020
Sample Matrix	Air	Air	Air	Air	Air	Air	Air
Units	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>	ug/m <sup>3</sup>
<b>VOCs</b>							
Trichloroethene	ND	ND	ND	ND	ND	ND	0.48
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.24	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	0.44	ND	0.38	ND	0.44	0.38
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.76	0.76	0.73	0.66	0.63	0.52	1.9
Vinyl Chloride	3.5	ND	ND	ND	1.3	ND	ND

Indicates analyte concentration exceeds NYDOH Matric A, B or C

ND indicates analyte was not detected.

Blank space indicates analyte was not analyzed for in that sample.

Only analytes detected in at least one sample are shown.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

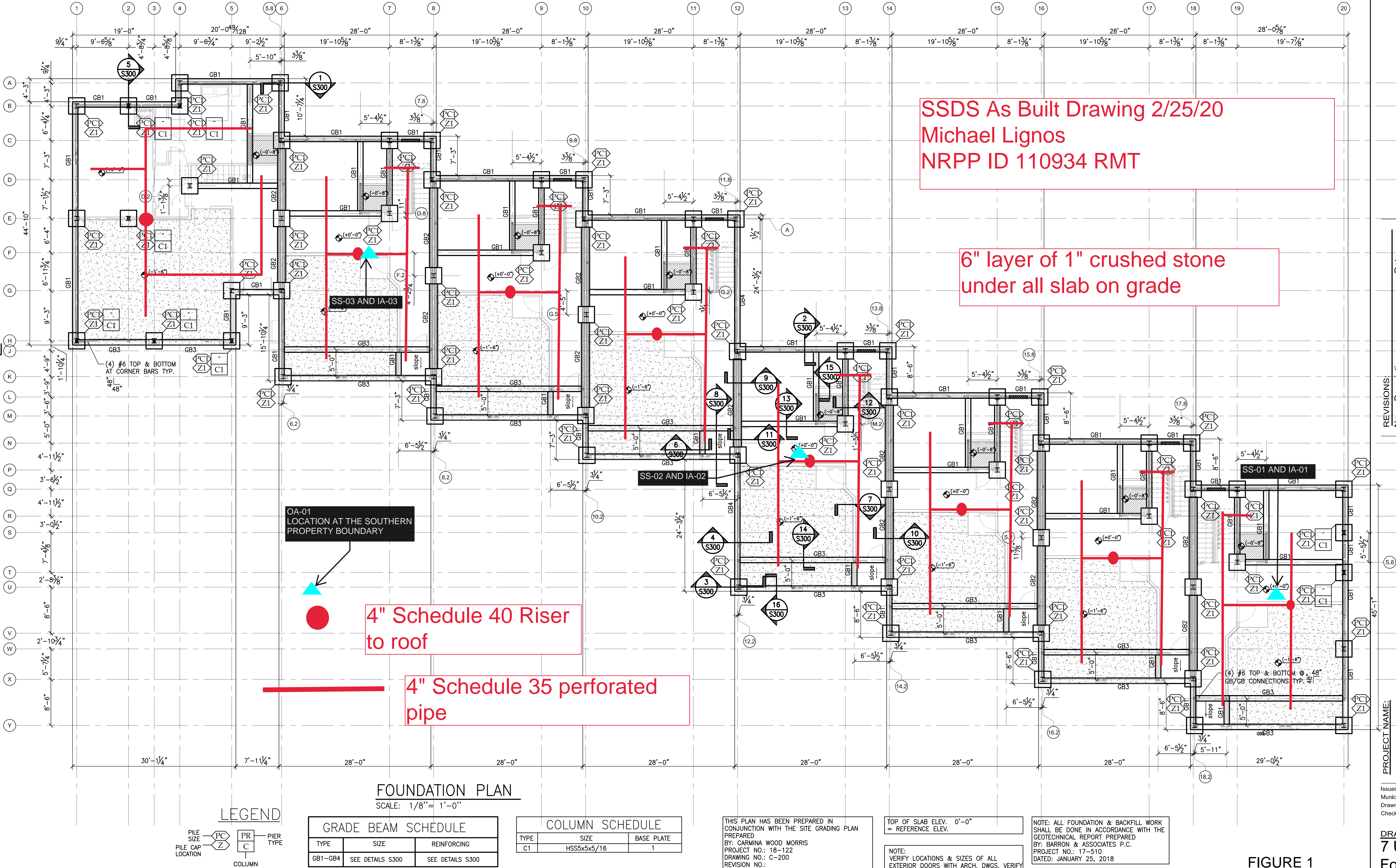
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%. (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference. (Inorganics) - The sample/duplicate %RPD was above the control limit.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

M - Matrix spike recoveries outside QC limits. Matrix bias indicated.

< indicates analyte was not detected. Method Detection Limit shown.





GRADE BEAM SCHEDULE		
TYPE	SIZE	REINFORCING
GB1-GB4	SEE DETAILS S300	SEE DETAILS S300

COLUMN SCHEDULE		
TYPE	SIZE	BASE PLATE
C1	HSS5x5x5/16	1

PILE SCHEDULE	
TYPE	SIZE
PC1	SEE DETAILS S302

PILE LOCATION SCHEDULE		
TYPE	TOP PILE CAP ELEVATION	LOCATION
Z1	(-1'-6") ● BUILDING 'A' (-2'-0") ● BUILDING 'B' (-2'-9") ● BUILDING 'C'	PER PLAN; SEE DETAIL

THIS PLAN HAS BEEN PREPARED IN CONJUNCTION WITH THE SITE GRADING PLAN PREPARED BY: CARMINA WOOD MORRIS PROJECT NO.: 18-122 DRAWING NO.: C-200 REVISION NO.: 17-510 DATED: 6-29-18

ALL PILES MUST BE INSTALLED PER THE SOILS REPORT NOTED BELOW

NOTE: VERIFY ALL COLUMN LOCATIONS WITH ARCH. DRAWINGS

TOP OF SLAB ELEV. 0'-0" = REFERENCE ELEV.

NOTE: VERIFY LOCATIONS & SIZES OF ALL EXTERIOR DOORS WITH ARCH. DWGS. VERIFY DIMENSIONS WITH ARCH. DWGS.

NOTE: VERIFY ALL SLAB RECESS DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.

NOTE: ALL FOUNDATION & BACKFILL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY: BARRON & ASSOCIATES P.C. PROJECT NO.: 17-510 DATED: JANUARY 25, 2018

FLOOR CONSTRUCTION: 4" CONCRETE SLAB ON GRADE WITH FIBERMESH REINFORCING ON COMPACTED GRANULAR FILL PER GEOTECHNICAL ENGINEERS REPORT. GENERAL CONTRACTOR MUST REVIEW FLOOR SLAB CONSTRUCTION REQ'TS. IN SOILS REPORT PRIOR TO PREPARING SUBGRADE FOR SLAB ON GRADE.

FIGURE 1

REVISIONS:	
No.	Description

Date

PROFESSIONAL SEAL





# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-001A

**Client Sample ID:** SS-01  
**Tag Number:** 234,393  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 3:43:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 3:43:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 3:43:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 3:43:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 3:43:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 3:43:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 3:43:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 3:43:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 3:43:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 3:43:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 3:43:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 3:43:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 3:43:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 3:43:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 3:43:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 3:43:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 3:43:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 3:43:00 AM
Acetone	18	7.1		ug/m3	10	11/24/2020 3:49:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 3:43:00 AM
Benzene	1.3	0.48		ug/m3	1	11/24/2020 3:43:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 3:43:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 3:43:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 3:43:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 3:43:00 AM
Carbon disulfide	1.4	0.47		ug/m3	1	11/24/2020 3:43:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	11/24/2020 3:43:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 3:43:00 AM
Chloroethane	2.0	0.40		ug/m3	1	11/24/2020 3:43:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 3:43:00 AM
Chloromethane	15	3.1		ug/m3	10	11/24/2020 3:49:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 3:43:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 3:43:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 3:43:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 3:43:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 3:43:00 AM
Ethylbenzene	0.52	0.65	J	ug/m3	1	11/24/2020 3:43:00 AM
Freon 11	1.2	0.84		ug/m3	1	11/24/2020 3:43:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 3:43:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 3:43:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit



# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-001A

**Client Sample ID:** SS-01  
**Tag Number:** 234,393  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.3	0.74		ug/m3	1	11/24/2020 3:43:00 AM
Heptane	< 0.61	0.61		ug/m3	1	11/24/2020 3:43:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 3:43:00 AM
Hexane	< 0.53	0.53		ug/m3	1	11/24/2020 3:43:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	11/24/2020 3:43:00 AM
m&p-Xylene	1.8	1.3		ug/m3	1	11/24/2020 3:43:00 AM
Methyl Butyl Ketone	9.1	1.2		ug/m3	1	11/24/2020 3:43:00 AM
Methyl Ethyl Ketone	27	8.8		ug/m3	10	11/24/2020 3:49:00 PM
Methyl Isobutyl Ketone	0.98	1.2	J	ug/m3	1	11/24/2020 3:43:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 3:43:00 AM
Methylene chloride	0.76	0.52		ug/m3	1	11/24/2020 3:43:00 AM
o-Xylene	0.61	0.65	J	ug/m3	1	11/24/2020 3:43:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 3:43:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 3:43:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 3:43:00 AM
Tetrahydrofuran	6.5	4.4		ug/m3	10	11/24/2020 3:49:00 PM
Toluene	2.1	0.57		ug/m3	1	11/24/2020 3:43:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 3:43:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 3:43:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	11/24/2020 3:43:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 3:43:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 3:43:00 AM
Vinyl chloride	3.5	0.38		ug/m3	1	11/24/2020 3:43:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-002A

**Client Sample ID:** IA-01  
**Tag Number:** 1318,447  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 12:46:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 12:46:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 12:46:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 12:46:00 AM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 12:46:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 12:46:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 12:46:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 12:46:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 12:46:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 12:46:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 12:46:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 12:46:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 12:46:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 12:46:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 12:46:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 12:46:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 12:46:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 12:46:00 AM
Acetone	20	7.1		ug/m3	10	11/24/2020 12:15:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 12:46:00 AM
Benzene	0.32	0.48	J	ug/m3	1	11/24/2020 12:46:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 12:46:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 12:46:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 12:46:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 12:46:00 AM
Carbon disulfide	< 0.47	0.47		ug/m3	1	11/24/2020 12:46:00 AM
Carbon tetrachloride	0.44	0.19		ug/m3	1	11/24/2020 12:46:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 12:46:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	11/24/2020 12:46:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 12:46:00 AM
Chloromethane	0.76	0.31		ug/m3	1	11/24/2020 12:46:00 AM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 12:46:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 12:46:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 12:46:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 12:46:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 12:46:00 AM
Ethylbenzene	< 0.65	0.65		ug/m3	1	11/24/2020 12:46:00 AM
Freon 11	1.2	0.84		ug/m3	1	11/24/2020 12:46:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 12:46:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 12:46:00 AM

<b>Qualifiers:</b>	SC Sub-Contracted	.	Results reported are not blank corrected
	B Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-002A

**Client Sample ID:** IA-01  
**Tag Number:** 1318,447  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.2	0.74		ug/m3	1	11/24/2020 12:46:00 AM
Heptane	1.1	0.61		ug/m3	1	11/24/2020 12:46:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 12:46:00 AM
Hexane	0.49	0.53	J	ug/m3	1	11/24/2020 12:46:00 AM
Isopropyl alcohol	2.2	0.37		ug/m3	1	11/24/2020 12:46:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	11/24/2020 12:46:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 12:46:00 AM
Methyl Ethyl Ketone	1.2	0.88		ug/m3	1	11/24/2020 12:46:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 12:46:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 12:46:00 AM
Methylene chloride	0.76	0.52		ug/m3	1	11/24/2020 12:46:00 AM
o-Xylene	< 0.65	0.65		ug/m3	1	11/24/2020 12:46:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 12:46:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 12:46:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 12:46:00 AM
Tetrahydrofuran	6.5	4.4		ug/m3	10	11/24/2020 12:15:00 PM
Toluene	0.79	0.57		ug/m3	1	11/24/2020 12:46:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 12:46:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 12:46:00 AM
Trichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 12:46:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 12:46:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 12:46:00 AM
Vinyl chloride	< 0.10	0.10		ug/m3	1	11/24/2020 12:46:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-003A

**Client Sample ID:** SS-02  
**Tag Number:** 158,391  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 4:31:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 4:31:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 4:31:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 4:31:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 4:31:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 4:31:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 4:31:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 4:31:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 4:31:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 4:31:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 4:31:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 4:31:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 4:31:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 4:31:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 4:31:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 4:31:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 4:31:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 4:31:00 AM
Acetone	23	7.1		ug/m3	10	11/24/2020 5:15:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 4:31:00 AM
Benzene	0.77	0.48		ug/m3	1	11/24/2020 4:31:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 4:31:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 4:31:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 4:31:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 4:31:00 AM
Carbon disulfide	< 0.47	0.47		ug/m3	1	11/24/2020 4:31:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	11/24/2020 4:31:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 4:31:00 AM
Chloroethane	0.26	0.40	J	ug/m3	1	11/24/2020 4:31:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 4:31:00 AM
Chloromethane	1.1	0.31		ug/m3	1	11/24/2020 4:31:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 4:31:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 4:31:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 4:31:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 4:31:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 4:31:00 AM
Ethylbenzene	0.56	0.65	J	ug/m3	1	11/24/2020 4:31:00 AM
Freon 11	1.1	0.84		ug/m3	1	11/24/2020 4:31:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 4:31:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 4:31:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit



# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-003A

**Client Sample ID:** SS-02  
**Tag Number:** 158,391  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.2	0.74		ug/m3	1	11/24/2020 4:31:00 AM
Heptane	9.3	0.61		ug/m3	1	11/24/2020 4:31:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 4:31:00 AM
Hexane	< 0.53	0.53		ug/m3	1	11/24/2020 4:31:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	11/24/2020 4:31:00 AM
m&p-Xylene	1.8	1.3		ug/m3	1	11/24/2020 4:31:00 AM
Methyl Butyl Ketone	4.9	1.2		ug/m3	1	11/24/2020 4:31:00 AM
Methyl Ethyl Ketone	40	8.8		ug/m3	10	11/24/2020 5:15:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 4:31:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 4:31:00 AM
Methylene chloride	0.73	0.52		ug/m3	1	11/24/2020 4:31:00 AM
o-Xylene	0.56	0.65	J	ug/m3	1	11/24/2020 4:31:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 4:31:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 4:31:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 4:31:00 AM
Tetrahydrofuran	13	4.4		ug/m3	10	11/24/2020 5:15:00 PM
Toluene	1.1	0.57		ug/m3	1	11/24/2020 4:31:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 4:31:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 4:31:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	11/24/2020 4:31:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 4:31:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 4:31:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	11/24/2020 4:31:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-004A

**Client Sample ID:** IA-02  
**Tag Number:** 141,436  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 1:30:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 1:30:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 1:30:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 1:30:00 AM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 1:30:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 1:30:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 1:30:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 1:30:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 1:30:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 1:30:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 1:30:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 1:30:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 1:30:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 1:30:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 1:30:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 1:30:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 1:30:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 1:30:00 AM
Acetone	15	7.1		ug/m3	10	11/24/2020 12:57:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 1:30:00 AM
Benzene	0.35	0.48	J	ug/m3	1	11/24/2020 1:30:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 1:30:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 1:30:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 1:30:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 1:30:00 AM
Carbon disulfide	< 0.47	0.47		ug/m3	1	11/24/2020 1:30:00 AM
Carbon tetrachloride	0.38	0.19		ug/m3	1	11/24/2020 1:30:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 1:30:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	11/24/2020 1:30:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 1:30:00 AM
Chloromethane	0.95	0.31		ug/m3	1	11/24/2020 1:30:00 AM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 1:30:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 1:30:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 1:30:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 1:30:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 1:30:00 AM
Ethylbenzene	< 0.65	0.65		ug/m3	1	11/24/2020 1:30:00 AM
Freon 11	1.3	0.84		ug/m3	1	11/24/2020 1:30:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 1:30:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 1:30:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-004A

**Client Sample ID:** IA-02  
**Tag Number:** 141,436  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.3	0.74		ug/m3	1	11/24/2020 1:30:00 AM
Heptane	1.0	0.61		ug/m3	1	11/24/2020 1:30:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 1:30:00 AM
Hexane	0.67	0.53		ug/m3	1	11/24/2020 1:30:00 AM
Isopropyl alcohol	2.4	0.37		ug/m3	1	11/24/2020 1:30:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	11/24/2020 1:30:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 1:30:00 AM
Methyl Ethyl Ketone	1.4	0.88		ug/m3	1	11/24/2020 1:30:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 1:30:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 1:30:00 AM
Methylene chloride	0.66	0.52		ug/m3	1	11/24/2020 1:30:00 AM
o-Xylene	< 0.65	0.65		ug/m3	1	11/24/2020 1:30:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 1:30:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 1:30:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 1:30:00 AM
Tetrahydrofuran	4.8	0.44		ug/m3	1	11/24/2020 1:30:00 AM
Toluene	0.57	0.57		ug/m3	1	11/24/2020 1:30:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 1:30:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 1:30:00 AM
Trichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 1:30:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 1:30:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 1:30:00 AM
Vinyl chloride	< 0.10	0.10		ug/m3	1	11/24/2020 1:30:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-005A

**Client Sample ID:** SS-03  
**Tag Number:** 478,394  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 5:15:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 5:15:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 5:15:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 5:15:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 5:15:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 5:15:00 AM
1,2,4-Trimethylbenzene	0.59	0.74	J	ug/m3	1	11/24/2020 5:15:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 5:15:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 5:15:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 5:15:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 5:15:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 5:15:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 5:15:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 5:15:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 5:15:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 5:15:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 5:15:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 5:15:00 AM
Acetone	180	57		ug/m3	81	11/24/2020 6:43:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 5:15:00 AM
Benzene	1.4	0.48		ug/m3	1	11/24/2020 5:15:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 5:15:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 5:15:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 5:15:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 5:15:00 AM
Carbon disulfide	0.72	0.47		ug/m3	1	11/24/2020 5:15:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	11/24/2020 5:15:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 5:15:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	11/24/2020 5:15:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 5:15:00 AM
Chloromethane	4.5	3.1		ug/m3	10	11/24/2020 7:04:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 5:15:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 5:15:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 5:15:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 5:15:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 5:15:00 AM
Ethylbenzene	0.69	0.65		ug/m3	1	11/24/2020 5:15:00 AM
Freon 11	1.1	0.84		ug/m3	1	11/24/2020 5:15:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 5:15:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 5:15:00 AM

<b>Qualifiers:</b>	SC Sub-Contracted	.	Results reported are not blank corrected
	B Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S Spike Recovery outside accepted recovery limits	DL	Detection Limit



# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-005A

**Client Sample ID:** SS-03  
**Tag Number:** 478,394  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.2	0.74		ug/m3	1	11/24/2020 5:15:00 AM
Heptane	< 0.61	0.61		ug/m3	1	11/24/2020 5:15:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 5:15:00 AM
Hexane	< 0.53	0.53		ug/m3	1	11/24/2020 5:15:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	11/24/2020 5:15:00 AM
m&p-Xylene	2.3	1.3		ug/m3	1	11/24/2020 5:15:00 AM
Methyl Butyl Ketone	11	12	J	ug/m3	10	11/24/2020 7:04:00 AM
Methyl Ethyl Ketone	74	71		ug/m3	81	11/24/2020 6:43:00 PM
Methyl Isobutyl Ketone	2.9	1.2		ug/m3	1	11/24/2020 5:15:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 5:15:00 AM
Methylene chloride	0.63	0.52		ug/m3	1	11/24/2020 5:15:00 AM
o-Xylene	0.87	0.65		ug/m3	1	11/24/2020 5:15:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 5:15:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 5:15:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 5:15:00 AM
Tetrahydrofuran	960	350		ug/m3	810	11/24/2020 7:25:00 PM
Toluene	1.8	0.57		ug/m3	1	11/24/2020 5:15:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 5:15:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 5:15:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	11/24/2020 5:15:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 5:15:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 5:15:00 AM
Vinyl chloride	1.3	0.38		ug/m3	1	11/24/2020 5:15:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-006A

**Client Sample ID:** IA-03  
**Tag Number:** 353,454  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 2:14:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 2:14:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 2:14:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 2:14:00 AM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 2:14:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 2:14:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 2:14:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 2:14:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:14:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 2:14:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 2:14:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	11/24/2020 2:14:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 2:14:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:14:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:14:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 2:14:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 2:14:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 2:14:00 AM
Acetone	12	7.1		ug/m3	10	11/24/2020 1:41:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 2:14:00 AM
Benzene	< 0.48	0.48		ug/m3	1	11/24/2020 2:14:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 2:14:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 2:14:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 2:14:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 2:14:00 AM
Carbon disulfide	< 0.47	0.47		ug/m3	1	11/24/2020 2:14:00 AM
Carbon tetrachloride	0.44	0.19		ug/m3	1	11/24/2020 2:14:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 2:14:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	11/24/2020 2:14:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 2:14:00 AM
Chloromethane	0.70	0.31		ug/m3	1	11/24/2020 2:14:00 AM
cis-1,2-Dichloroethene	0.24	0.16		ug/m3	1	11/24/2020 2:14:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 2:14:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 2:14:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 2:14:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	11/24/2020 2:14:00 AM
Ethylbenzene	< 0.65	0.65		ug/m3	1	11/24/2020 2:14:00 AM
Freon 11	1.2	0.84		ug/m3	1	11/24/2020 2:14:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 2:14:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 2:14:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-006A

**Client Sample ID:** IA-03  
**Tag Number:** 353,454  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.3	0.74		ug/m3	1	11/24/2020 2:14:00 AM
Heptane	0.61	0.61		ug/m3	1	11/24/2020 2:14:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 2:14:00 AM
Hexane	< 0.53	0.53		ug/m3	1	11/24/2020 2:14:00 AM
Isopropyl alcohol	1.4	0.37		ug/m3	1	11/24/2020 2:14:00 AM
m&p-Xylene	< 1.3	1.3		ug/m3	1	11/24/2020 2:14:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 2:14:00 AM
Methyl Ethyl Ketone	0.94	0.88		ug/m3	1	11/24/2020 2:14:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 2:14:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 2:14:00 AM
Methylene chloride	0.52	0.52		ug/m3	1	11/24/2020 2:14:00 AM
o-Xylene	< 0.65	0.65		ug/m3	1	11/24/2020 2:14:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 2:14:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 2:14:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 2:14:00 AM
Tetrahydrofuran	0.53	0.44		ug/m3	1	11/24/2020 2:14:00 AM
Toluene	< 0.57	0.57		ug/m3	1	11/24/2020 2:14:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 2:14:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 2:14:00 AM
Trichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 2:14:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 2:14:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 2:14:00 AM
Vinyl chloride	< 0.10	0.10		ug/m3	1	11/24/2020 2:14:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-007A

**Client Sample ID:** OA-01  
**Tag Number:** 316,374  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 2:59:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	11/24/2020 2:59:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	11/24/2020 2:59:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 2:59:00 AM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 2:59:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	11/24/2020 2:59:00 AM
1,2,4-Trimethylbenzene	1.3	0.74		ug/m3	1	11/24/2020 2:59:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	11/24/2020 2:59:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:59:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	11/24/2020 2:59:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	11/24/2020 2:59:00 AM
1,3,5-Trimethylbenzene	0.64	0.74	J	ug/m3	1	11/24/2020 2:59:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	11/24/2020 2:59:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:59:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	11/24/2020 2:59:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	11/24/2020 2:59:00 AM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	11/24/2020 2:59:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	11/24/2020 2:59:00 AM
Acetone	63	28		ug/m3	40	11/24/2020 3:06:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	11/24/2020 2:59:00 AM
Benzene	9.3	4.8		ug/m3	10	11/24/2020 2:23:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	11/24/2020 2:59:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	11/24/2020 2:59:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	11/24/2020 2:59:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	11/24/2020 2:59:00 AM
Carbon disulfide	2.9	0.47		ug/m3	1	11/24/2020 2:59:00 AM
Carbon tetrachloride	0.38	0.19		ug/m3	1	11/24/2020 2:59:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	11/24/2020 2:59:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	11/24/2020 2:59:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	11/24/2020 2:59:00 AM
Chloromethane	1.1	0.31		ug/m3	1	11/24/2020 2:59:00 AM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	11/24/2020 2:59:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 2:59:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	11/24/2020 2:59:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	11/24/2020 2:59:00 AM
Ethyl acetate	1.0	0.54		ug/m3	1	11/24/2020 2:59:00 AM
Ethylbenzene	0.52	0.65	J	ug/m3	1	11/24/2020 2:59:00 AM
Freon 11	1.1	0.84		ug/m3	1	11/24/2020 2:59:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	11/24/2020 2:59:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	11/24/2020 2:59:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit



# Centek Laboratories, LLC

Date: 01-Dec-20

**CLIENT:** C&S Companies  
**Lab Order:** C2011036  
**Project:** Lakefront  
**Lab ID:** C2011036-007A

**Client Sample ID:** OA-01  
**Tag Number:** 316,374  
**Collection Date:** 11/20/2020  
**Matrix:** AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
<b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	2.1	0.74		ug/m3	1	11/24/2020 2:59:00 AM
Heptane	14	6.1		ug/m3	10	11/24/2020 2:23:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	11/24/2020 2:59:00 AM
Hexane	4.5	0.53		ug/m3	1	11/24/2020 2:59:00 AM
Isopropyl alcohol	6.9	3.7		ug/m3	10	11/24/2020 2:23:00 PM
m&p-Xylene	1.2	1.3	J	ug/m3	1	11/24/2020 2:59:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	11/24/2020 2:59:00 AM
Methyl Ethyl Ketone	27	8.8		ug/m3	10	11/24/2020 2:23:00 PM
Methyl Isobutyl Ketone	0.61	1.2	J	ug/m3	1	11/24/2020 2:59:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	11/24/2020 2:59:00 AM
Methylene chloride	1.9	0.52		ug/m3	1	11/24/2020 2:59:00 AM
o-Xylene	0.43	0.65	J	ug/m3	1	11/24/2020 2:59:00 AM
Propylene	< 0.26	0.26		ug/m3	1	11/24/2020 2:59:00 AM
Styrene	< 0.64	0.64		ug/m3	1	11/24/2020 2:59:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	11/24/2020 2:59:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	11/24/2020 2:59:00 AM
Toluene	12	5.7		ug/m3	10	11/24/2020 2:23:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	11/24/2020 2:59:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	11/24/2020 2:59:00 AM
Trichloroethene	0.48	0.16		ug/m3	1	11/24/2020 2:59:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	11/24/2020 2:59:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	11/24/2020 2:59:00 AM
Vinyl chloride	< 0.10	0.10		ug/m3	1	11/24/2020 2:59:00 AM

<b>Qualifiers:</b>	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

