

**REMEDIAL ACTION SUMMARY REPORT**  
**(Including Sub-slab Soil Gas Evaluation & Vapor Intrusion Investigation Report)**

**Site # V-00456-3**  
**Index # W3-0884-01-05**

**Congers Colonial Plaza**  
**285 Route 303**  
**Congers, New York 10920**

**Prepared for:**

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**DePaulis Enterprise IV, Ltd.**  
**285 Route 303**  
**Congers, New York 10920**

**Prepared by:**

**RND Services Inc.**  
**10 Waldron Avenue**  
**Nyack, NY 10960**

**December 7, 2005**

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**(Including Sub-slab Soil Gas Evaluation & Vapor Intrusion Investigation Report)**  
**Congers Colonial Plaza**  
**285 Route 303**  
**Congers, New York 10920**

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**Remedial Action Summary Report  
(Including Sub-slab Soil Gas Evaluation & Vapor Intrusion Investigation Report)  
Congers Colonial Plaza  
285 Route 303  
Congers, New York 10920**

**1.0 INTRODUCTION**

On August 9, 2001 DePaulis Enterprise IV, Ltd., entered into a Voluntary Cleanup Agreement with the New York State Department of Environmental Protection to identify and remediate Perchloroethylene (PCE) contamination at 285 Colonial Plaza, Route 303, Congers, New York.

PCE contamination was initially identified at the site through sampling of the indoor air of two (2) units of the building located on-site. One of the units is currently vacant but was previously occupied by First Class Dry Cleaners (Drycleaner); the other unit is occupied by Tutor Time (TT), a franchised day care and pre-school learning center. Results of ambient air levels indicated that PCE levels exceeded the New York State Department of Health (NYSDOH) guidelines. Further investigation to determine the cause for the PCE levels in air, led to the removal of PCE contaminated soil, a subsurface investigation, which included groundwater sampling, a preliminary groundwater investigation and the installation of two vapor extraction systems. Additional groundwater investigations were conducted and the data was ultimately used for a remediating the spill using potassium permanganate. Based on the work conducted at the site, the following reports were prepared for the property: Perchloroethylene Investigation Report (Revision 02) dated August 2002, Results of the Investigation Work Plan dated September 2003, Potassium Permanganate Work Plan Report dated May 16, 2005, Potassium Permanganate Work Plan Report Addendum 1 dated June 6, 2005 and the results of groundwater sampling events completed through 2005.

## **2.0 SITE DESCRIPTION**

The Property is located at 285 Route 303, Congers, Rockland County, New York (**Figure 1**) and is identified as Section 129, Block A, Parcel 14 on the Town of Clarkstown Tax Assessor's Map (the Property). The Property measures approximately 2.8 acres and has been improved with a one-story masonry and brick structure currently used as the Congers Colonial Plaza, a mini-mall complex. Portions of the Property not occupied by the building, landscaping and/or woods, are covered by asphalt parking and driveways. The retail occupants of the complex have changed over the duration of the project but current occupants of the complex include the following: Taichi Fitness, Clarkstown Smile Center, Halfmoon Pizza, Tutor Time Day Care & Learning Center, Launder Station Laundry, Hong Kong Kitchen, Russo Chiropractic, Colonial Food Market & Deli, Cornerstone Restaurant, Allstate Insurance Agency, Art & Nail Spa and Podiatrist Physical Therapy.

A general site plan of the Property is provided as **Figure 2**. The Property is bordered on the north by a gravel driveway beyond which is an adjacent property owned by Orchard Realty, Inc., which is currently vacant. To the south of the Property is Meola Road beyond which is a small residential community consisting of four single-family dwellings. To the west of the Property is undeveloped woods and to the east of the Property is New York State Highway #5002 i.e. Route 303. Rockland Masonry, a masonry supply center and an office building are located along Route 303, east of the subject site. In the southwestern section of the Property is a low lying swamp area that is bermed and serves as a drainage basin for surface run-off from the Property.

The Property is serviced by municipal water and sewer service. There is one supply well located on the northwestern side of the Property that supplies the washing machines of the Laundromat only. A small lavatory is located inside the laundromat that is supplied with municipal water along with all other tenant units.

### **3.0 PROJECT HISTORY**

In October of 2000, dry cleaning equipment in the former First Class Drycleaner was dismantled and a spill occurred which was reported to consist of residual product and waste contained within the equipment. The spill had affected the subsurface and consequently, 197.66 tons of contaminated soil were excavated for disposal concurrent with the removal of 1,900 gallons of PCE contaminated water. Two vapor extraction systems were later installed in February/March of 2001 to aid in remediating the residual PCE contamination which was detected in the soil and groundwater above regulatory levels. To further remediate the property by oxidizing the residual PCE three applications of potassium permanganate were conducted. The following sections 3.1 through 3.4 summarizes the work and the conclusions presented in the reports previously prepared and submitted for the property.

#### **3.1 PERCHLOROETHYLENE INVESTIGATION REPORT**

This report, submitted August 2002 (Revision 01) summarized the investigative and remedial activities that had been conducted after the PCE contaminated soil and groundwater had been removed. The primary goal of the activities were to achieve acceptable indoor air levels of PCE to enable the opening of the TT facility. To determine this, RND began the investigation by screening the interstitial space between the concrete block wall and the interior gypsum wall in various locations of the basement of the TT facility. The results of this screening led to the screening of the void space below the concrete floor. Based on the locations and the levels of vapor readings, RND was able to make a determination of the location of the spill (along the northeast corner of the basement) and evaluate the effectiveness of two vapor extraction systems which were also installed during this phase of the work. The use of the VES's were and have been successful in reducing fugitive vapors below the concrete slab and controlling PCE levels in the building. They will continue to operate until the New York State Department of Health has approved discontinuance of the systems. Additional investigation activities included a soil boring investigation inside Tutor Time, installation and sampling of three overburden monitor wells, sampling of the groundwater supply well, sampling of two

storm water sewers and sampling of a sump pit that was installed in the basement of the former drycleaner. The data compiled by the additional sampling enabled a good basis for the understanding of the pathways that contributed to the dispersion of PCE and provided the groundwork for the consideration of the potassium permanganate treatment which was later utilized. The initial sampling from the monitoring wells indicated that PCE was present in one of the three wells. The presence of PCE in MW-03 remained consistent over the duration of the project until the completion of the final potassium permanganate treatment of the well in September 2005.

### **3.2 RESULTS OF THE INVESTIGATION WORK PLAN**

The goal of the tasks conducted as part of this investigation and presented in this report dated September 2003 were to more completely identify the radius of contamination beyond the footprint of the building. Four (4) additional overburden wells and three (3) bedrock wells were installed on the Property. Based on groundwater information obtained, local groundwater flow was determined to be to the southwest without any off site contaminant migration occurring. Additionally, sampling of the wells confirmed that the spill on the Property did not have an adverse effect on the quality of the water in the underlying aquifer as no contaminants were detected in the bedrock wells. Other work conducted during this phase of the work included sampling of the effluent and sediment from the west footing drain and the southwest drainage area, a well survey of the general area and an evaluation of the vapor extraction systems. The results indicated that the movement of VOC's was very limited as there was no evidence to suggest a widespread movement of contaminant beyond the footprint of the building and sampling confirmed that residual contamination remained within the footprint of the building. Samples obtained during the investigation indicated that no off-site migration of PCE occurred. Due to the presence of VOC's in one well, MW-3, RND continued to monitor this well which ultimately led to the application of potassium permanganate to chemically oxidize the residual VOC's.

The use of the VES systems continue to aide in controlling the indoor air levels of PCE inside TT by maintaining acceptable levels (levels below the health standards). The exhaust levels from the systems were shown to be below the acceptable rate of discharge.

### **3.3 POTASSIUM PERMANGANATE WORK PLAN REPORT (AND ADDENDUM 1)**

This report was submitted May 16, 2005 with a follow up addendum dated June 6, 2005 which included additional groundwater sampling results from MW-3. Three potassium permanganate injections were conducted as part of the remediation of the property to remediate the residual PCE remaining in the groundwater. Potassium permanganate was first applied through the pipe system installed below the concrete floor of the former dry cleaner followed by a second treatment which was applied directly to monitoring well MW-3. Due to a resurgence in PCE levels in MW-3 after the June 2005 sampling event, a third application of potassium permanganate was injected into MW-3. Two consecutive rounds of sampling after this third application confirmed the potassium permanganate treatment was and continues to be effective in remediating the site.

### **3.4 GROUNDWATER SAMPLING COMPLETED THROUGH 2005**

On February 28, and March 1, 2001, RND supervised the installation of three (3) groundwater monitoring wells (MW-01 – MW-03) at the Property. These monitoring wells were placed in the down gradient path of the PCE release. On July 2 and 3, 2002 RND installed (4) additional 2-inch diameter overburden monitoring wells (MW-4, MW-5, MW-6 and MW-7). Three (3) of the monitoring wells (MW-4, MW-5, and MW-7) were placed in the down gradient path of the PCE release radiating outward from the already three (3) existing monitoring wells and (1) monitoring well was placed in the east parking lot. Three (3) bedrock monitoring wells were also installed at the Property between October 24, 2002 and October 30, 2002. All bedrock wells were given the designation “B” corresponding to the associated overburden wells: one of the bedrock wells was constructed near existing MW-3; one in the up gradient location in the east parking lot near MW-6; and one near MW-7 in the west parking lot. The first sampling of the overburden wells on 3/13/01 indicated VOC’s above the groundwater criteria in MW-2

only. Sampling of all installed wells (overburden and bedrock) on 9/12/02 indicated VOC's above the groundwater criteria in one well only, MW-3. Subsequent sampling, consistently showed PCE above the groundwater criteria in MW-3. After the first injection of MW-3, the PCE levels consistently decreased but resurged in a sample obtained on 6/27/05. Because of this resurgence, a second potassium permanganate injection of MW-3 was done on 8/22/05 after which two consecutive rounds of sampling indicated non-detect levels for PCE. RND does not recommend additional sampling of the wells and NYSDEC is not requiring any further investigation or remediation of the groundwater. These samples were obtained on 9/8/05 and 10/19/05 and are included in this report in **Appendix A** along with the laboratory report from the 6/27/05 sample. All other groundwater data has been submitted with the reports prepared for the property and are not included here.



#### **4.0 SUB-SLAB SOIL GAS EVALUATION & VAPOR INTRUSION INVESTIGATION REPORT**

##### **4.1 INTRODUCTION**

A Sub-slab Soil Gas Evaluation & Vapor Intrusion Investigation Work Plan was prepared for the property and approved by the NYSDEC and the NYSDOH on November 22, 2005. The work was implemented November 24, through November 28, 2005. The work plan was prepared in order to evaluate the sub-slab soil gas (SSSG) conditions at the Tutor Time facility at the Congers Colonial Plaza and to determine the potential for vapor intrusion in the adjacent structures to the east and south of Tutor Time. To remediate the PCE spill three (3) potassium permanganate applications have been conducted (one below the slab of the former drycleaner and 2 injections of MW-3). The purpose of this investigation was to determine if residual volatile organic vapors, specifically, PCE vapors exists in unacceptable levels below the concrete slab. The work conducted was governed by the NYSDOH Soil Vapor Intrusion Guidance Document and directives from the NYSDEC Division of Environmental Remediation. The work was conducted after the Vapor Extractions Systems (which are normally in continuous operation) had been turned off. All indoor air samples were collected on 11/27/05 after the systems had been off for approximately 84 hours and all SSSG samples were collected on 11/28/05 after the systems had been off for approximately 108 hours. This work was conducted while the heating systems were in operation. All sampling locations are identified on **Figure 3**.

##### **4.2 SUB-SLAB SOIL GAS EVALUATION AT TUTOR TIME**

One of the two vapor extraction systems (VES) installed at the property is located beneath the floor of the southern most section of Tutor Time. This system (VES-2) was installed by drilling and installing three schedule 40 slotted PVC pipes (0.020 slot) horizontally 1' into the gravel bed beneath the concrete floor. Sample ports and isolation valves were installed in the manifold for each pipe and in the exhaust piping which terminates along the southern exterior building wall. An air sample from the discharge port of VES-2 was collected to represent the sub-slab soil gas conditions beneath Tutor

Time (SSVES2G) along its southern most section of the facility. One sample from below the slab towards the northern most edge of Tutor Time was also collected. This sample (SSVES2F) was collected from below the slab of the Toddler A classroom (current room name) which in ongoing air sampling reports has been designated Prepper Room 121. The sampling location was changed from what was originally proposed because the room is an unoccupied classroom and was therefore more convenient for conducting the boring. No footings or other obstructions separated the proposed probe location from the new probe location. The sample was collected by drilling through the floor and installing a temporary probe constructed of Polyethylene tubing approximately 2 inches into sub slab material. The implanted probe was sealed off at the surface with a bentonite seal. The temporary probe was purged up to three volumes (of the sample probe and tubing) before a sample was collected. The flow rates for the sampling did not exceed 0.2 liters per minute with sample duration lasting approximately 1 hour. The sample was collected using a 6 liter Summa Canister which was provided by Columbia Analytical Services, Inc., a NYSDOH ELAP approved laboratory (certification # 11221) and was analyzed using EPA Method TO-15 for the following compounds: vinyl chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethene, cis-1,2-Dichloroethene, Trichloroethene and Tetrachloroethene. The minimum reporting limit for this analysis was 0.54 microgram per cubic meter (1 ug/m<sup>3</sup>). The laboratory data is provided in **Appendix B**. The results of all sampling conducted during this phase of the work is discussed in section 4.3. The following are the SSSG samples collected to satisfy the NYSDEC requirement to evaluate the sub slab conditions below Tutor Time:

Sample ID	Location Description
SS Toddler A	Tutor Time basement level classroom adjacent to the former drycleaner
SS-VES1G	Exhaust valve for VES-1 located in basement level storage room – below Depaulis IV

### 4.3 VAPOR INTRUSION EVALUATION

To evaluate the potential for vapor intrusion into the adjacent units to the south and east of Tutor Time both sub-slab soil gas samples and indoor air samples were collected. The unit immediately east of Tutor Time is currently vacant (former drycleaner) and the next unit east is a Laundromat (Lauder Station Laundry). The office of DePaulis Enterprise IV is located to the south of Tutor Time.

#### 4.3.1 SSSG Sampling of Adjacent Units

A sub-slab vapor sample was collected from the unit immediately adjacent to the south of Tutor Time. This sample was collected using a temporary probe and sampling methods as outlined in section 4.2. This unit is on the basement level with access via a garage door from the rear of the property and is currently used as storage for one of the tenants of the complex. This unit is also the location of the manifold piping and blower for VES-2. Above this first level is the office of DePaulis Enterprise IV. A sub slab vapor sample was also collected from the unit to the east of Tutor Time which is the basement of the former drycleaner. This sample was collected from the sample port of VES-1. Sampling was conducted using Summa canisters as previously outlined. The following are the SSSG samples collected to satisfy the NYSDEC requirement to evaluate the sub slab conditions of the adjacent units to Tutor Time:

Sample ID	Location Description
SS-VES2G	Exhaust valve for VES-2 located in basement level storage room – below Depaulis IV office
SS-VES2F	Below the slab of basement level storage room – location of pipe and manifold for VES-2; below Depaulis IV office

#### 4.3.2 Indoor Air Samples

Six indoor air samples (including 1 background sample) were collected from the units to the south and east of Tutor Time. Throughout the duration of the sampling, the temperature of the building was maintained at approximately 70°F, the operating

temperature of the facility. Sampling locations were selected to minimize disturbances and were collected over an 8-hour period to reflect the typical occupation of the building.

RND had proposed collecting a sample from the first level office of DePaulis Enterprise IV but the office was closed upon arrival at the site, therefore the sample was collected from immediately outside the door in the interior stairwell connecting the basement level and first level of the building. One sample was also collected from the basement level i.e. the same unit as the location of the manifold piping and blower for VES-2. One sample each was collected from of the units to the east, the former drycleaner (upper level and basement level) and the Laundromat. The following are the indoor air samples collected:

Sample ID	Location Description
Garage	Basement level unit; location of VES-2 blower and manifold piping
Depaulis IV	First level in stairwell outside office door
Background	Outside Tutor Time (back play yard) by air conditioning units
Down Dry	Basement level of former drycleaner; location of VES-1 manifold piping and blower
Up Dry	First level former dry cleaner
Laundromat	Launder Station Laundromat on desk by front window

All samples were collected using 6 liter Summa Canisters provided by Columbia Analytical Services, Inc. and were analyzed using EPA Method TO-15 for the following compounds: vinyl chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethene, cis-1,2-Dichloroethene, Trichloroethene and Tetrachloroethene. The flow rates for sampling did not exceed 0.2 liters per minute. Although a duplicate sample was planned, due to sampling error (valve was not opened on canister) no duplicate sample was analyzed.

#### 4.4 DISCUSSION AND CONCLUSIONS

The laboratory results of the indoor air samples are tabulated below. Of the six compounds analyzed, PCE was detected in the samples. None of the locations sampled indicated PCE levels above the NYSDOH guideline of 100 micrograms per cubic meters ( $\text{ug}/\text{m}^3$ ). The results ranged from 3.1 in a basement unit to 21  $\text{ug}/\text{m}^3$  in the basement of the former drycleaner. The background outdoor air sample collected indicated non-detectable PCE levels.

##### Indoor Air Samples

Sample ID	Location Description	Result $\text{ug}/\text{m}^3$ (PCE)	Method Reporting Limits
Garage	Basement level unit; location of VES-2 blower and manifold piping	3.1	0.74
Depaulis IV	First level in stairwell outside office door	4.2	0.75
Background	Outside Tutor Time (back play yard) by air conditioning units	ND	0.58
Down Dry	Basement level of former drycleaner; location of VES-1 manifold piping and blower	21	0.73
Up Dry	First level former dry cleaner	13	0.71
Laundromat	Launder Station Laundromat on desk by front window	13	0.73

The laboratory results of the SSGV samples are tabulated below. Of the six compounds analyzed, only PCE was detected in the samples. Of the locations sampled, one indicated

PCE levels above the NYSDOH guideline of 100 micrograms per cubic meters ( $\mu\text{g}/\text{m}^3$ ). This sample was obtained from beneath the slab of the Tutor Time classroom.

#### SSSG Samples

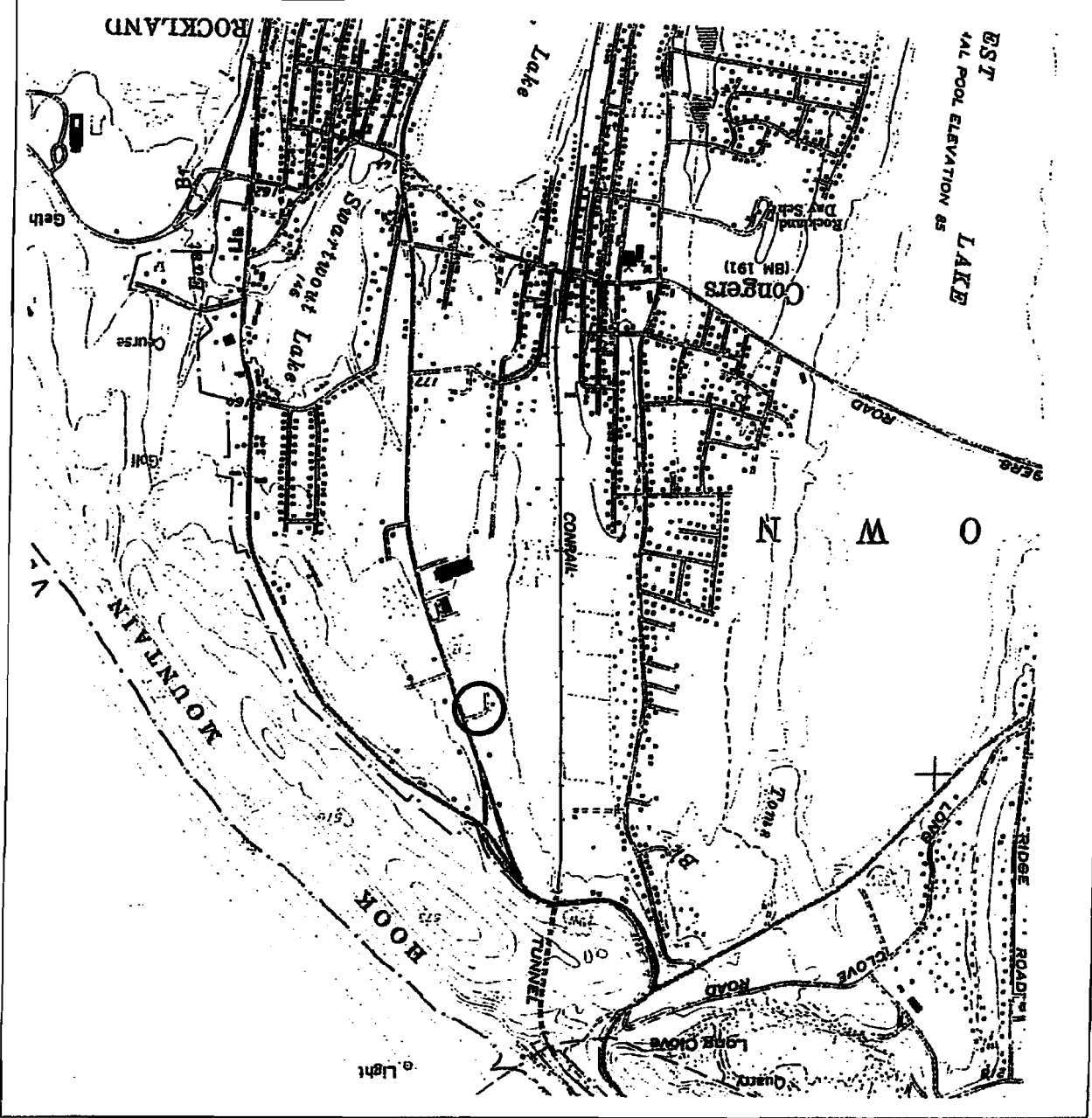
Sample ID	Location Description	Result $\mu\text{g}/\text{m}^3$ (PCE)
SS Toddler A	Tutor Time basement level classroom adjacent to the former drycleaner; below floor slab	140
SS-VES1G	Exhaust valve for VES-1 located in basement level former drycleaner	32
SS-VES2G	Exhaust valve for VES-2 located in basement level storage room – below Depaulis IV office	0.69
SS-VES2F	Below the slab of basement level storage room – location of pipe and manifold for VES-2; below Depaulis IV office	3.2

The results indicate that the remedial efforts have been effective as the only PCE containing sample above the NYSDOH guideline after having the systems off was the SSSG sample, SS Toddler A. RND concludes that there is potential for vapor intrusion but the levels seen in all indoor air samples are below the NYSDOH guideline and are also below the OSHA TWA of  $678 \mu\text{g}/\text{m}^3$ . Because the adjacent units are retail establishments and are only occupied for 8 hours per day, RND does not recommend additional remedial action at the site except for keeping the VES's in operation. The systems will continue to remove residual PCE vapors as an ongoing remedial effort. RND recommends bi-annual sampling of the indoor air until the NYSDOH has agreed that the systems may cease operation. The ongoing sampling of the indoor air at the Tutor Time facility has already shown that the indoor air concentration is less than  $12 \mu\text{g}/\text{m}^3$  (6/7/04 data) with the systems in continuous operation. RND does not recommend additional sampling SSGV or indoor air sampling at this time.

## **5.0 SUMMARY OF INDOOR AIR SAMPLING OF TUTOR TIME FACILITY**

Six (6) locations have been sampled at the Tutor Time facility since 12/7/00. Prior to the sampling discussed in the preceding section, the last routine sampling occurred on November 27, 2004. This round of sampling was also conducted in order to determine the effect of turning off the two vapor extraction systems currently operating at the property. The sampling method utilized was the 3500 Organic Diffusion Monitor manufactured by 3M, not the Summa canister method subsequently used. None of the locations sampled inside TT indicated PCE levels above the NYSDOH guideline of 100 micrograms per cubic meters ( $\mu\text{g}/\text{m}^3$ ). The data accumulated to date indicates that the systems are effective in maintaining PCE levels below the NYSDOH guideline. With the systems turned off for 84 hours, PCE levels were also found to be below the guideline. No other indoor air sampling of Tutor Time is currently scheduled.

Scale: Drawing No:	USGS Topographic
2001-60 RND Project No:	Installation Date:
285 Route 303, Congers NY Site Location Map	
<div> <div> <b>RND</b>            Services Inc.            10 Valerion Avenue            Nyack, NY 10959         </div> </div>	







**RND**  
Services Inc.

10 Waldron Ave  
Nyack, New York 10960

Congers Colonial Plaza

RND Project No.:  
2000-86

Drawing No.:  
Figure 2



**APPENDIX A**  
**LABORATORY DATA**  
**(GROUNDWATER SAMPLES 6/27/05, 9/8/05,**  
**10/19/05)**

# Technical Report

prepared for

**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

Report Date: 6/29/2005  
**Re: Client Project ID: Congers**  
York Project No.: 05060878

CT License No. PH-0723

New York License No. 10854



Report Date: 6/29/2005  
Client Project ID: Congers  
York Project No.: 05060878

**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/28/05. The project was identified as your project "Congers".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-3	
York Sample ID			05060878-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1

**YORK**

Client Sample ID			MW-3	
York Sample ID			05060878-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			2(cis-)	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
MTBE			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			110	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			2	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

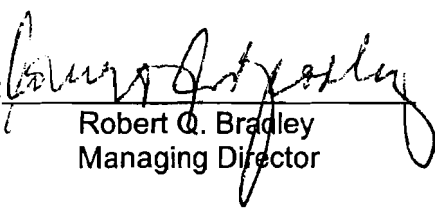
**YORK**

Report Date: 6/29/2005  
Client Project ID: Congers  
York Project No.: 05060878

**Notes for York Project No. 05060878**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 6/29/2005

**YORK**

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE  
STAMFORD, CT 06906  
(203) 325-1371 FAX (203) 357-0160


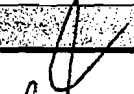
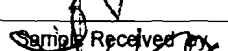

## Field Chain-of-Custody Record

050608 18

Page 1 of 1

<u>Company Name</u> RWD	<u>Report To:</u> S. Ryan	<u>Invoice To:</u> S. Ryan	<u>Project ID/No.</u> Congers	<u>Sly</u> Samples Collected By (Signature) Sharina Ryan Name (Printed)
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[illegible]

<b>Chain-of-Custody Record</b>					
Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
			6/28/05 10 <sup>00</sup>		62805
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
					6/28 4P 4.00
Comments/Special Instructions				<b>Turn-Around Time</b> Standard <input checked="" type="checkbox"/> RUSH(define) 24HR	

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for

**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

Report Date: 9/16/2005  
***Re: Client Project ID: Congers***  
York Project No.: 05090280

CT License No. PH-0723

New York License No. 10854





**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/12/05. The project was identified as your project "Congers".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

### Analysis Results

Client Sample ID			MW-3	
York Sample ID			05090280-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>MW-3</b>	
<b>York Sample ID</b>			<b>05090280-01</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			1	1
Bromoform			18	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			5	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
MTBE			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

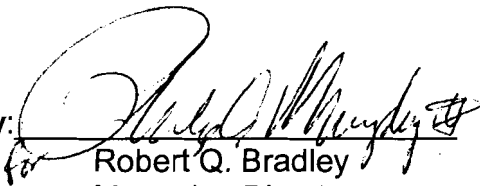
**YORK**

Report Date: 9/16/2005  
Client Project ID: Congers  
York Project No.: 05090280

**Notes for York Project No. 05090280**


1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
for Robert Q. Bradley  
Managing Director

Date: 9/16/2005

**YORK**

<u>Company Name</u>	<u>Report To:</u>	<u>Invoice To:</u>	<u>Project ID/No.</u>	<u>Sharima Ryan</u>
RND Services Inc.	S. Ryan	S. Ryan	Congers	<u>Samples Collected By (Signature)</u>  <u>Name (Printed)</u>

[illegible]

<b>Chain-of-Custody Record</b>					
Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
			9/12/05		9/12/05
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
Comments/Special Instructions				Turn-Around Time	
Purple Color is KMN04				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)	

# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for

**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

Report Date: 10/27/2005  
***Re: Client Project ID: Congers***  
York Project No.: 05100721

CT License No. PH-0723

New York License No. 10854



**RND Services, Inc.**  
10 Waldron Avenue  
Nyack, NY 10960  
Attention: Sharima Ryan

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 10/24/05. The project was identified as your project "Congers".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-3	
York Sample ID			05100721-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	10
1,1,1-Trichloroethane			Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethylene			Not detected	10
1,1-Dichloropropylene			Not detected	10
1,2,3-Trichlorobenzene			Not detected	10
1,2,3-Trichloropropane			Not detected	10
1,2,3-Trimethylbenzene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2,4-Trimethylbenzene			17	10
1,2-Dibromo-3-chloropropane			Not detected	10
1,2-Dibromoethane			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,2-Dichloroethane			Not detected	10

**YORK**

Client Sample ID			MW-3	
York Sample ID			05100721-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3,5-Trimethylbenzene			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,3-Dichloropropane			Not detected	10
1,4-Dichlorobenzene			Not detected	10
1-Chlorohexane			Not detected	10
2,2-Dichloropropane			Not detected	10
2-Chlorotoluene			Not detected	10
4-Chlorotoluene			Not detected	10
Benzene			Not detected	10
Bromobenzene			Not detected	10
Bromochloromethane			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropylene			Not detected	10
Dibromochloromethane			Not detected	10
Dibromomethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Hexachlorobutadiene			Not detected	10
Isopropylbenzene			Not detected	10
Methylene chloride			Not detected	10
MTBE			Not detected	10
Naphthalene			75	10
n-Butylbenzene			Not detected	10
n-Propylbenzene			Not detected	10
o-Xylene			Not detected	10
p- & m-Xylenes			13	10
p-Isopropyltoluene			Not detected	10
sec-Butylbenzene			Not detected	10
Styrene			Not detected	10
tert-Butylbenzene			Not detected	10
Tetrachloroethylene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropylene			Not detected	10
Trichloroethylene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

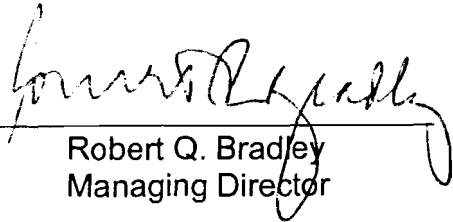
**YORK**

Report Date: 10/27/2005  
Client Project ID: Congers  
York Project No.: 05100721

**Notes for York Project No. 05100721**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

  
Robert Q. Bradley  
Managing Director

Date: 10/27/2005

**YORK**



ANALYTICAL LABORATORIES, INC.

12D RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page of

05100721

<u>Company Name</u>	<u>Report To:</u>	<u>Invoice To:</u>	<u>Project ID/No.</u>	<u>Sharima Ryan</u>
RND Services Inc.	S. Ryan	S. Ryan	Congers	Samples Collected By (Signature)
				Shy Name (Printed)

[illegible]

### Chain-of-Custody Record

Chain-of-Custody Record		830		830	
Bottles Relinquished from Lab by	Date/Time	Shy	10/24/05	Wayne	10/24/05
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
				Shy	10/24/05
				Sample Received in LAB by	Date/Time

Comments/Special Instructions	Turn-Around Time
	<del>X</del> Standard    RUSH(define)_____

**APPENDIX B**  
**LABORATORY DATA**  
**(SUB-SLAB SOIL GAS EVALUATION & VAPOR**  
**INTRUSION INVESTIGATION REPORT)**



2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

December 14, 2005

Sharima Ryan  
RND Services Inc.  
10 Waldron Avenue  
Nyack, NY 10960

**RE: P2502974**  
**Congers**

Dear Ms. Ryan:

Enclosed are the results of the sample(s) submitted to our laboratory on November 29, 2005.  
For your reference, these analyses have been assigned our service request number P2502974.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 11 pages.

Columbia Analytical Services is certified by the California Department of Health Services, Certificate No. 2380; Arizona Department of Health Services, Certificate No. AZ0550; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661. Please contact me for specific method(s) and analyte(s) corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

**Columbia Analytical Services, Inc.**

Michael Tuday  
Director of Research & Development

## LABORATORY REPORT

Client:	RND SERVICES INC.	Date of Report:	12/14/05
Address:	10 Waldron Avenue	Date Received:	11/29/05
	Nyack, NY 10960	CAS Project No:	P2502974
Contact:	Sharima Ryan	Purchase Order:	Verbal
Client Project ID:	Congers	New York Lab ID:	11221

Six (6) Stainless Steel Summa Canisters labeled: "Garage" "Depaulis IV" "Background"  
"Down Dry" "Up Dry" "Laundromat"

The samples were received at the laboratory under chain of custody on November 29, 2005. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973 inert GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT<sub>x</sub>-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

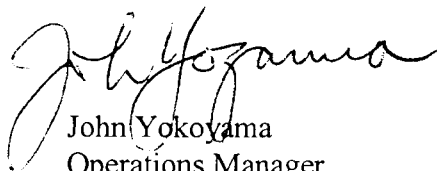
The results of analyses are given on the attached data sheets. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Reviewed and Approved:



Chris Parnell  
GCMS-VOA Team Leader  
Air Quality Laboratory

Reviewed and Approved:



John Yokoyama  
Operations Manager  
Air Quality Laboratory

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: RND Services Inc.

Client Sample ID: Garage

Client Project ID: Congers

CAS Project ID: P2502974

CAS Sample ID: P2502974-001

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Analyst: Chris Parnell

Sampling Media: Summa Canister

Test Notes:

Container ID: AC01014

Date Collected: 11/27/05

Date Received: 11/29/05

Date(s) Analyzed: 12/6/05

Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.3

Pf 1 = 3.6

Can D.F. = 1.48

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.74	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.74	ND	0.19	
156-60-5	trans-1,2-Dichloroethene	ND	0.74	ND	0.19	
56-59-2	cis-1,2-Dichloroethene	ND	0.74	ND	0.19	
79-01-6	Trichloroethene	ND	0.74	ND	0.14	
127-18-4	Tetrachloroethene	3.1	0.74	0.45	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: \_\_\_\_\_ Date: 12/13/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
Client Sample ID: **Depaulis IV**  
Client Project ID: **Congers**

CAS Project ID: P2502974  
CAS Sample ID: P2502974-002

Test Code: EPA TO-15  
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
Analyst: Chris Parnell  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC00758

Date Collected: 11/27/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/6/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.6

Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.75	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.75	ND	0.19	
156-60-5	trans-1,2-Dichloroethene	ND	0.75	ND	0.19	
56-59-2	cis-1,2-Dichloroethene	ND	0.75	ND	0.19	
79-01-6	Trichloroethene	ND	0.75	ND	0.14	
127-18-4	Tetrachloroethene	4.2	0.75	0.62	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/13/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
 Client Sample ID: **Background**  
 Client Project ID: **Congers**

CAS Project ID: P2502974  
 CAS Sample ID: P2502974-003

Test Code: EPA TO-15  
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
 Analyst: Chris Parnell  
 Sampling Media: Summa Canister  
 Test Notes:  
 Container ID: AC00620

Date Collected: 11/27/05  
 Date Received: 11/29/05  
 Date(s) Analyzed: 12/6/05  
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = 1.1

Pf 1 = 3.6

Can D.F. = 1.16

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.58	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.58	ND	0.15	
156-60-5	trans-1,2-Dichloroethene	ND	0.58	ND	0.15	
56-59-2	cis-1,2-Dichloroethene	ND	0.58	ND	0.15	
79-01-6	Trichloroethene	ND	0.58	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.58	ND	0.086	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RS Date: 12/13/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**Client Sample ID: **Down Dry**Client Project ID: **Congers**

CAS Project ID: P2502974

CAS Sample ID: P2502974-004

Test Code: EPA TO-15  
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
Analyst: Chris Parnell  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC00899

Date Collected: 11/27/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/6/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.2

Pf 1 = 3.5

Can D.F. = 1.46

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.73	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.73	ND	0.18	
156-60-5	trans-1,2-Dichloroethene	ND	0.73	ND	0.18	
56-59-2	cis-1,2-Dichloroethene	ND	0.73	ND	0.18	
79-01-6	Trichloroethene	ND	0.73	ND	0.14	
127-18-4	Tetrachloroethene	21	0.73	3.1	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
 Client Sample ID: **Up Dry**  
 Client Project ID: **Congers**

CAS Project ID: P2502974  
 CAS Sample ID: P2502974-005

Test Code: EPA TO-15  
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
 Analyst: Chris Parnell  
 Sampling Media: Summa Canister  
 Test Notes:  
 Container ID: AC00518

Date Collected: 11/27/05  
 Date Received: 11/29/05  
 Date(s) Analyzed: 12/6/05  
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -1.7

Pf 1 = 3.6

Can D.F. = 1.41

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.71	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	0.71	ND	0.18	
156-60-5	trans-1,2-Dichloroethene	ND	0.71	ND	0.18	
56-59-2	cis-1,2-Dichloroethene	ND	0.71	ND	0.18	
79-01-6	Trichloroethene	ND	0.71	ND	0.13	
127-18-4	Tetrachloroethene	13	0.71	1.9	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: R Date: 12/6/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
Client Sample ID: **Laundromat**  
Client Project ID: **Congers**

CAS Project ID: P2502974  
CAS Sample ID: P2502974-006

Test Code: EPA TO-15  
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
Analyst: Chris Parnell  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC00297

Date Collected: 11/27/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/6/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.2

Pf 1 = 3.6

Can D.F. = 1.46

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.73	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.73	ND	0.18	
156-60-5	trans-1,2-Dichloroethene	ND	0.73	ND	0.18	
56-59-2	cis-1,2-Dichloroethene	ND	0.73	ND	0.18	
79-01-6	Trichloroethene	ND	0.73	ND	0.14	
127-18-4	Tetrachloroethene	13	0.73	1.9	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Re Date: 12/15/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
 Client Sample ID: **Method Blank**  
 Client Project ID: **Congers**

CAS Project ID: P2502974  
 CAS Sample ID: P051205-MB

Test Code: EPA TO-15  
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8  
 Analyst: Chris Parnell  
 Sampling Media: Summa Canister  
 Test Notes:

Date Collected: NA  
 Date Received: NA  
 Date(s) Analyzed: 12/5/05  
 Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
56-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: EC Date: 12/13/05

**Columbia Analytical Services, Inc.**  
**Sample Acceptance Check Form**

Client: RND Services Inc.

Work order: P2502974

Project: Congers

Sample(s) received on: 11/29/05

Date opened: 11/29/05

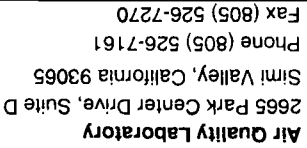
by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method SOP.

		<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	Were <b>custody seals</b> on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Were <b>sample containers</b> properly marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Did <b>sample containers</b> arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were <b>chain-of-custody</b> papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Did <b>sample container labels</b> and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Was <b>sample volume</b> received adequate for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Was proper <b>temperature</b> (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature <u>NA</u> °C			
	Blank Temperature <u>NA</u> °C			
9	Is pH (acid) <b>preservation</b> necessary, according to method/SOP or Client specified information?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Is there a client indication that the submitted samples are <b>pH</b> (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were <b>VOA vials</b> checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	<b>Tubes:</b> Are the tubes capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Do they contain moisture?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	<b>Badges:</b> Are the badges properly capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Are dual bed badges separated and individually capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2502974-001			NA	
P2502974-002			NA	
P2502974-003			NA	
P2502974-004			NA	
P2502974-005			NA	
P2502974-006			NA	

Explain any discrepancies: (include lab sample ID numbers): \_\_\_\_\_



CAS Project No.

**Comments**  
e.g. Preservative or  
specific instructions

P.O. # / Billing Information	
Project Name	Ungeles
Project Number	
Sampler (Print & Sign)	Shirley Ryan Stryker

[illegible]

RECEIVED  
12/22/05

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax



December 14, 2005

Sharima Ryan  
RND Services Inc.  
10 Waldron Avenue  
Nyack, NY 10960

**RE: P2502975**  
**Congers**

Dear Ms. Ryan:

Enclosed are the results of the sample(s) submitted to our laboratory on November 29, 2005.  
For your reference, these analyses have been assigned our service request number P2502975.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 11 pages.

Columbia Analytical Services is certified by the California Department of Health Services, Certificate No. 2380; Arizona Department of Health Services, Certificate No. AZ0550; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661. Please contact me for specific method(s) and analyte(s) corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

**Columbia Analytical Services, Inc.**

Michael Taday  
Director of Research & Development

Page  
1 of 11

## LABORATORY REPORT

Client:	RND SERVICES INC.	Date of Report:	12/14/05
Address:	10 Waldron Avenue	Date Received:	11/29/05
	Nyack, NY 10960	CAS Project No:	P2502975
Contact:	Sharima Ryan	Purchase Order:	Verbal
Client Project ID:	Congers	New York Lab ID:	11221

Four (4) Stainless Steel Summa Canisters labeled:

"SS-VES2G"	"SS-VES2F"	"SS-Toddler A"	"SS-VES1G"
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The samples were received at the laboratory under chain of custody on November 29, 2005. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

### Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) in selective ion monitoring (SIM) mode for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of an Agilent Model 5973N GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT<sub>x</sub>-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Reviewed and Approved:



Svetlana Walsh  
Analytical Chemist  
Air Quality Laboratory

Reviewed and Approved:



Chris Parnell  
GCMS-VOA Team Leader  
Air Quality Laboratory

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: RND Services Inc.  
Client Sample ID: SS-VES2G  
Client Project ID: Congers

CAS Project ID: P2502975  
CAS Sample ID: P2502975-001

Test Code: EPA TO-15 SIM  
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
Analyst: Svetlana Walsh  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC01106

Date Collected: 11/28/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/2/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -11.3

Pf 1 = 3.5

D.F. = 5.35

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.54	ND	0.21	
75-35-4	1,1-Dichloroethene	ND	0.54	ND	0.13	
75-60-5	trans-1,2-Dichloroethene	ND	0.54	ND	0.13	
75-59-2	cis-1,2-Dichloroethene	ND	0.54	ND	0.13	
79-01-6	Trichloroethene	ND	0.54	ND	0.10	
127-18-4	Tetrachloroethene	0.69	0.54	0.10	0.079	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: R Date: 12/13/05



# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
 Client Sample ID: **SS-VES2F**  
 Client Project ID: **Congers**

CAS Project ID: P2502975  
 CAS Sample ID: P2502975-002

Test Code: EPA TO-15 SIM  
 Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
 Analyst: Svetlana Walsh  
 Sampling Media: Summa Canister  
 Test Notes:  
 Container ID: AC00987

Date Collected: 11/28/05  
 Date Received: 11/29/05  
 Date(s) Analyzed: 12/2/05  
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -11.4      Pf 1 = 4.0

D.F. = 5.67

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.57	ND	0.22	
75-35-4	1,1-Dichloroethene	ND	0.57	ND	0.14	
156-60-5	trans-1,2-Dichloroethene	ND	0.57	ND	0.14	
56-59-2	cis-1,2-Dichloroethene	ND	0.57	ND	0.14	
79-01-6	Trichloroethene	ND	0.57	ND	0.11	
127-18-4	Tetrachloroethene	3.2	0.57	0.47	0.084	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/13/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: RND Services Inc.  
Client Sample ID: SS-VES2F  
Client Project ID: Congers

CAS Project ID: P2502975  
CAS Sample ID: P2502975-002DUP

Test Code: EPA TO-15 SIM  
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
Analyst: Svetlana Walsh  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC00987

Date Collected: 11/28/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/2/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -11.4

Pf 1 = 4.0

D.F. = 5.67

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.57	ND	0.22	
75-35-4	1,1-Dichloroethene	ND	0.57	ND	0.14	
156-60-5	trans-1,2-Dichloroethene	ND	0.57	ND	0.14	
156-59-2	cis-1,2-Dichloroethene	ND	0.57	ND	0.14	
79-01-6	Trichloroethene	ND	0.57	ND	0.11	
127-18-4	Tetrachloroethene	3.4	0.57	0.50	0.084	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RC Date: 12/12/05

# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

**Client:** RND Services Inc.  
**Client Sample ID:** SS-Toddler A  
**Client Project ID:** Congers

**CAS Project ID:** P2502975  
**CAS Sample ID:** P2502975-003

**Test Code:** EPA TO-15 SIM  
**Instrument ID:** Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
**Analyst:** Svetlana Walsh  
**Sampling Media:** Summa Canister  
**Test Notes:**  
**Container ID:** AC01025

**Date Collected:** 11/28/05  
**Date Received:** 11/29/05  
**Date(s) Analyzed:** 12/2/05 & 12/9/05  
**Volume(s) Analyzed:** 1.00 Liter(s)  
 0.10 Liter(s)

Pi 1 = -11.6      Pf 1 = 3.6

D.F. = 5.90

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.59	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.59	ND	0.15	
156-60-5	trans-1,2-Dichloroethene	ND	0.59	ND	0.15	
156-59-2	cis-1,2-Dichloroethene	ND	0.59	ND	0.15	
79-01-6	Trichloroethene	0.60	0.59	0.11	0.11	
127-18-4	Tetrachloroethene	140	0.59	21	0.087	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/13/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
Client Sample ID: **SS-VES1G**  
Client Project ID: **Congers**

CAS Project ID: P2502975  
CAS Sample ID: P2502975-004

Test Code: EPA TO-15 SIM  
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
Analyst: Svetlana Walsh  
Sampling Media: Summa Canister  
Test Notes:  
Container ID: AC00947

Date Collected: 11/28/05  
Date Received: 11/29/05  
Date(s) Analyzed: 12/2/05  
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -11.3

Pf 1 = 3.5

D.F. = 5.35

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.54	ND	0.21	
75-35-4	1,1-Dichloroethene	ND	0.54	ND	0.13	
156-60-5	trans-1,2-Dichloroethene	ND	0.54	ND	0.13	
56-59-2	cis-1,2-Dichloroethene	ND	0.54	ND	0.13	
79-01-6	Trichloroethene	ND	0.54	ND	0.10	
127-18-4	Tetrachloroethene	32	0.54	4.8	0.079	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RL Date: 12/13/05

## COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: RND Services Inc.  
Client Sample ID: Method Blank  
Client Project ID: Congers

CAS Project ID: P2502975  
CAS Sample ID: P051202-MB

Test Code: EPA TO-15 SIM  
Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
Analyst: Svetlana Walsh  
Sampling Media: Summa Canister  
Test Notes:

Date Collected: NA  
Date Received: NA  
Date(s) Analyzed: 12/2/05  
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.10	ND	0.039	
75-35-4	1,1-Dichloroethene	ND	0.10	ND	0.025	
156-60-5	trans-1,2-Dichloroethene	ND	0.10	ND	0.025	
756-59-2	cis-1,2-Dichloroethene	ND	0.10	ND	0.025	
79-01-6	Trichloroethene	ND	0.10	ND	0.019	
127-18-4	Tetrachloroethene	ND	0.10	ND	0.015	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

# COLUMBIA ANALYTICAL SERVICES, INC.

## RESULTS OF ANALYSIS

Page 1 of 1

Client: **RND Services Inc.**  
 Client Sample ID: **Method Blank**  
 Client Project ID: **Congers**

CAS Project ID: P2502975  
 CAS Sample ID: P051208-MB

Test Code: EPA TO-15 SIM  
 Instrument ID: Tekmar AUTOCAN/Agilent 5973N/HP6890A/MS7  
 Analyst: Svetlana Walsh  
 Sampling Media: Summa Canister  
 Test Notes:

Date Collected: NA  
 Date Received: NA  
 Date(s) Analyzed: 12/8/05  
 Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	0.10	ND	0.039	
75-35-4	1,1-Dichloroethene	ND	0.10	ND	0.025	
56-60-5	trans-1,2-Dichloroethene	ND	0.10	ND	0.025	
56-59-2	cis-1,2-Dichloroethene	ND	0.10	ND	0.025	
79-01-6	Trichloroethene	ND	0.10	ND	0.019	
127-18-4	Tetrachloroethene	ND	0.10	ND	0.015	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: 20 Date: 12/13/05

**Columbia Analytical Services, Inc.**  
**Sample Acceptance Check Form**

Client: RND Services Inc.

Work order: P2502975

Subject: Congers

Sample(s) received on: 11/29/05

Date opened: 11/29/05

by: mz

*Note:* This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	Were <b>custody seals</b> on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Were <b>sample containers</b> properly marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Did <b>sample containers</b> arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were <b>chain-of-custody</b> papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Did <b>sample container labels</b> and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Was <b>sample volume</b> received adequate for analysis?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Was proper <b>temperature</b> (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature <u>NA</u> °C			
	Blank Temperature <u>NA</u> °C			
9	Is pH (acid) <b>preservation</b> necessary, according to method/SOP or Client specified information?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Is there a client indication that the submitted samples are <b>pH</b> (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were <b>VOA vials</b> checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	<b>Tubes:</b> Are the tubes capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Do they contain moisture?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	<b>Badges:</b> Are the badges properly capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Are dual bed badges separated and individually capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2502975-001			NA	
P2502975-002			NA	
P2502975-003			NA	
P2502975-004			NA	

Explain any discrepancies: (include lab sample ID numbers): \_\_\_\_\_

**Air Quality Laboratory**  
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