



April 7, 2016

Ms. Kerry Maloney
NYSDEC
Bureau of Eastern Remedial Action
625 Broadway
Albany, NY 112233-7020

**Re: *Soil Vapor Intrusion Sampling Report
51 Nassau Street
Former Darby Site – OUII Off-Site
Rockville Centre, New York***

Dear Ms. Maloney:

Introduction

This Soil Vapor Intrusion (SVI) sampling report was prepared to document the results of vapor intrusion sampling performed at 51 Nassau Street in Rockville Centre, NY (**Figure 1**). This work was performed as part of the Former Darby Site – OUII off-site investigation to determine if chlorinated volatile organic compounds (CVOCs) present in groundwater in this area are negatively indoor air within the building.

All sampling was performed in accordance with the approved Vapor Intrusion Study Work Plan prepared by EBC in January 2016.

The property is located near the southwest corner of the Former Darby property (Avalon Rockville Centre) in-between Claude Street (driveway to the Avalon complex) to the west and the Morgan Days Park, parking lot to the west (**Figure 2**). The 51 Nassau Street property is improved with an 1,100 sf (approx.) 1-story masonry building which is currently used as a church (Celestial Church of Christ).

Building Conditions

EBC conducted an on-Site inspection of the building and subgrade levels on March 30, 2016. The property is improved with a single-story building currently occupied by a church with two basement levels. The first floor of the building contained the chapel, bathrooms and the offices for the Pastors. The first basement level includes changing rooms, a kitchenette, and a boiler room. The second basement level is at least partially below the static water table which is present approximately 6 ft below grade. The second basement level was not being used and was flooded at the time of the inspection. No active windows were identified in either of the two basement levels.

Chemical Inventory

During the on-Site inspection on March 30, 2016, EBC conducted an inventory of chemicals that were on-Site that could potentially have an impact on the indoor air quality of the building. The chemicals that were found were cleaning products, insect spray, air fresheners, Clorox



wipes, and general cleaning supplies. All chemical containers were noted to be in good condition or unopened and properly stored. Each chemical was screened for the presence of VOCs using a photo-ionization detector (PID). The PID readings and chemical information are shown in the Indoor Air Quality Questionnaire in **Appendix A**.

Indoor and Outdoor Ambient Air Sampling

EBC performed indoor and outdoor ambient air sampling on March 30, 2016. The sampling event consisted of the collection and laboratory analysis of two indoor air samples: IA1 located in the second basement level and IA2 located within the Chapel area of the first floor, and one outdoor air sample: OA1 to provide background air quality information.

All of the air samples were collected from within the breathing zone approximately 3-5 feet above the floor in the main area of the building. The sampling locations are shown in **Figure 3**. Air samples were collected over an 8-hr period with 6-liter Summa canisters equipped with flow controllers calibrated at an appropriate flow rate by the analytical laboratory. Prior to initiating sample collection, the canister identification number, flow regulator identification number and sample ID were recorded in a bound field note book. The sample ID was also recorded on the sample tag attached to each canister.

Sampling was initiated by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 8 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag. All doors and ventilation points (windows, skylights, etc.) were closed for 24 hrs prior to conducting the test. All collected air samples were submitted by Phoenix Environmental Labs of Manchester Connecticut (NYSDOH Lab I.D. No. 11301) for analysis of VOCs EPA Method TO-15.

A copy of the laboratory analytical report is included in **Appendix B**. Analytical results of the indoor and outdoor ambient air samples are compared to the Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values, 2003) and NYSDOH Final Guidance on Soil Vapor Intrusion (October 2006) Matrix 1 and Matrix 2 values on **Table 1**.

Standing Water Sampling

Due to flooding conditions within the lower basement and its depth below the static water table, collection of a sub-slab soil gas sample as specified in the Vapor Intrusion Study Work Plan was not possible. However, since the water in the second basement level likely represents groundwater intrusion through an inactive sump pit, a sample of the water was collected during the March 30 SVI sampling event.

The water sample was collected using dedicated polyethylene tubing and a peristaltic pump. The water sample was collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260. A copy of the laboratory analytical report is included in **Appendix C**. Analytical results of the water sample are compared to the New York State 6NYCRR Part 703.5 Class GA water quality standards (GQS) on **Table 2**.

Indoor and Outdoor Air Sampling Results

As shown on **Table 1**, VOCs were detected at low concentrations within the indoor ambient air and outdoor ambient air samples. The VOCs detected within the indoor and outdoor air samples are typically detected in ambient air samples because VOCs are common in many household products and building materials and furnishings. For comparison purposes, the NYS Department of Health 2003 indoor air study results are provided in the first column. This study was performed in 250 homes in upstate New York and can be used as a general guide in determining background concentrations.

The maximum BTEX concentration detected within the indoor ambient air samples was 5.09 $\mu\text{g}/\text{m}^3$. Toluene was detected within each of the indoor air samples at a maximum concentration of 2.85 $\mu\text{g}/\text{m}^3$. The chlorinated VOCs tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, and carbon tetrachloride were not detected within either of the indoor air samples or the outdoor ambient air sample.

Groundwater Sampling Results

As shown in **Table 2**, no VOCs were detected above their respective Groundwater Quality Standards (GQS). One VOC, acetone (3.3 $\mu\text{g}/\text{L}$), was detected at trace amounts in the basement groundwater sample collected. Acetone is known to be a common laboratory contaminant and was not reported as a COC for this Site.

Conclusions

Petroleum related VOCs were detected at low concentrations within both the indoor and outdoor ambient air samples and were consistent with background levels. No chlorinated VOCs were detected within either of the indoor air samples or the outdoor ambient air sample. Likewise, no chlorinated VOCs were detected in the water sample from the basement.

Based on these findings, the chlorinated VOCs previously identified in the groundwater in the area are not negatively impacting indoor air within the 51 Nassau Street building. Please call if you have any questions or if you wish to discuss the findings of this report.

Sincerely,

Environmental Business Consultants



Patrick Recio
Environmental Scientist



Charles B. Sosik, P.G., P.H.G.
Principal



ENVIRONMENTAL BUSINESS CONSULTANTS

TABLES



ENVIRONMENTAL BUSINESS CONSULTANTS

**1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961**

**PHONE 631.504.6000
FAX 631.924.2870**

TABLE 1
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	IA1		IA2		OA1	
			3/30/2016 ($\mu\text{g}/\text{m}^3$)		3/30/2016 ($\mu\text{g}/\text{m}^3$)		3/30/2016 ($\mu\text{g}/\text{m}^3$)	
			Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	8.76	1.00	8.21	1.00	7	1.00
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane		<1.0 - 1.4	1.23	1.00	1.28	1.00	1.18	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane		NA	1.97	1.00	2.02	1.00	2.09	1.00
Ethanol			95.5	1.00	412	1.00	20	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene		<4.3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Heptane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	1.16	1.00	1.27	1.00	2.15	1.00
Isopropylalcohol		NA	1.99	1.00	1.96	1.00	1.76	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	2.24	1.00	2.07	1.00	1.22	1.00
Methyl Ethyl Ketone			1.74	1.00	1.4	1.00	< 1.00	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 1.00	1.00	< 1.00	1.00	2.7	1.00
n-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Propylene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Tetrachloroethene	100		< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Tetrahydrofuran		NA	1.27	1.00	< 1.00	1.00	< 1.00	1.00
Toluene		1.0 - 6.1	2.85	1.00	2.32	1.00	2.36	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	5	<1.7	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Trichlorofluoromethane		NA	1.48	1.00	1.3	1.00	1.4	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
BTEX			5.09		4.39		3.58	
Total VOCs			120.19		433.83		40.68	

Notes:

- NA No guidance value or standard available
- (a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
- (b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH)

Table 2
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	Basement Groundwater 3/30/2016 µg/L	
		Results	RL
		1,1,1,2-Tetrachloroethane	5
1,1,1-Trichloroethane	5	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0
1,1-Dichloropropene		< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0
1,2,4-Trichlorobenzene		< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0
1,2-Dibromoethane		< 1.0	1.0
1,2-Dichlorobenzene	5	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60
1,2-Dichloropropane	0.94	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0
1,3-Dichlorobenzene		< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0
1,4-Dichlorobenzene	5	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0
2-Hexanone (Methyl Butyl Ketone)		< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0
4-Methyl-2-Pentanone		< 2.5	2.5
Acetone		3.3	5.0
Acrolein		< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0
Benzene	1	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0
Bromodichloromethane		< 1.0	1.0
Bromoform		< 5.0	5.0
Bromomethane	5	< 5.0	5.0
Carbon Disulfide	60	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0
Chloroethane	5	< 5.0	5.0
Chloroform	7	< 5.0	5.0
Chloromethane	60	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0
cis-1,3-Dichloropropene		< 0.40	0.40
Dibromochloromethane		< 1.0	1.0
Dibromomethane	5	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0
m&p-Xylenes	5	< 1.0	1.0
Methyl Ethyl Ketone (2-Butanone)		< 2.5	2.5
Methyl t-butyl ether (MTBE)	10	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0
Naphthalene	10	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0
o-Xylene	5	< 1.0	1.0
p-Isopropyltoluene		< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0
Styrene	5	< 1.0	1.0
tert-Butylbenzene	5	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0
Tetrahydrofuran (THF)		< 5.0	5.0
Toluene	5	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0
Trichlorotrifluoroethane		< 1.0	1.0
Vinyl Chloride	2	< 1.0	1.0

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard



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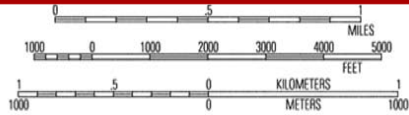
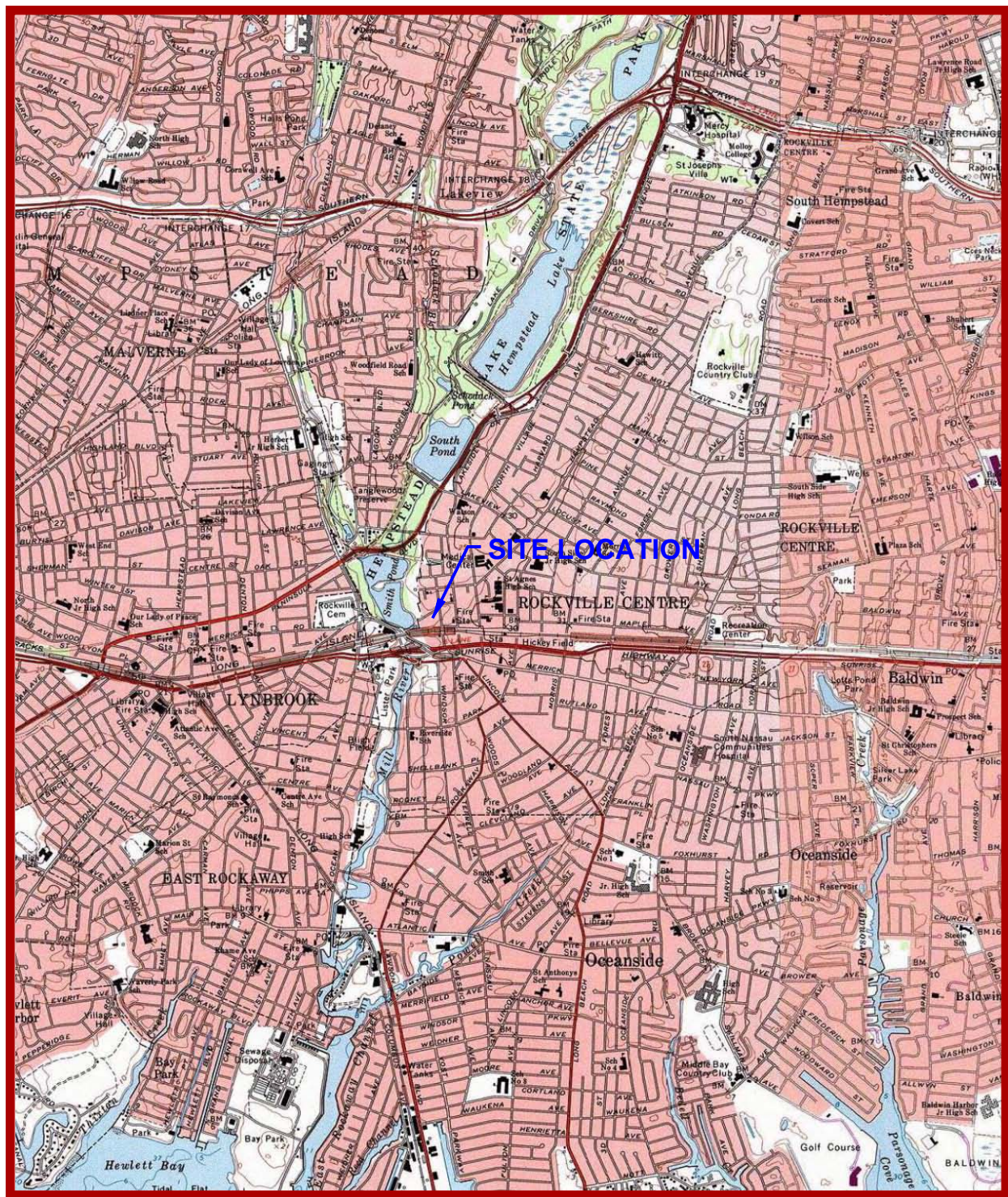
FIGURES



ENVIRONMENTAL BUSINESS CONSULTANTS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961

PHONE 631.504.6000
FAX 631.924.2870



1392
02/13/08

Source: USGS Lynbrook Quadrangle, 1969, Contour Interval = 5 feet

BBC
ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road
 Ridge, NY 11961

Phone 631.504.6000
 Fax 631.924.2870

**FORMER DARBY WAREHOUSE
 ROCKVILLE CENTRE, NY
 SITE LOCATION MAP**

FIGURE 1



Morgan Days
Park

Former Darby Site

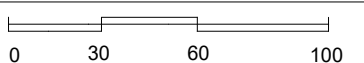
Avalon Rockville Centre
Building No. 2

51 Nassau Street

Parking Lot

NASSAU STREET

Scale:



1 inch = 60 feet

Key:

--- Adjacent Property Boundary



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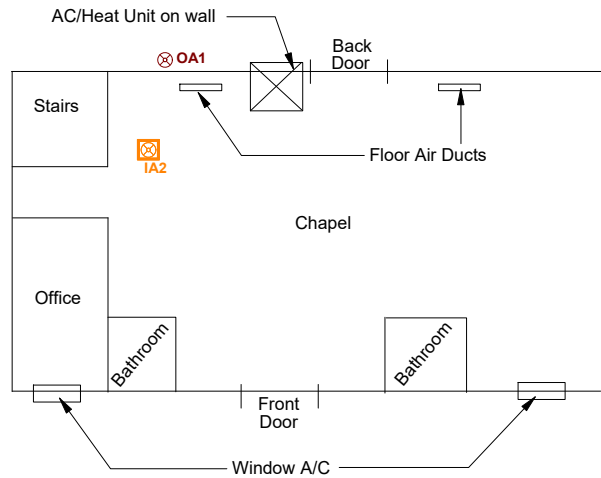
Phone 631.504.6000
Fax 631.924.2870

FORMER DARBY DRUGS SITE
80-100 BANKS AVENUE, ROCKVILLE CENTRE, NY

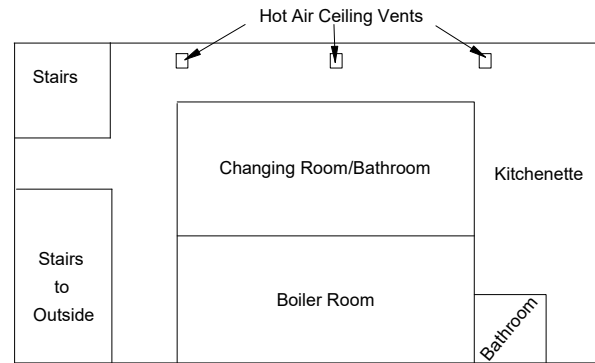
FIGURE 2

ADJACENT PROPERTY BOUNDARY

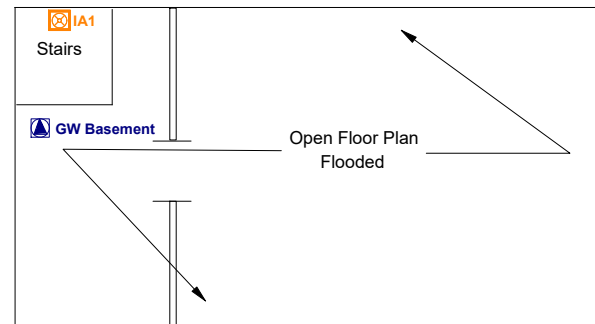
First Floor Layout



1st Basement Level



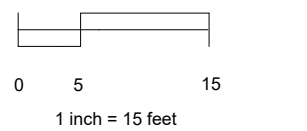
2nd Basement Level



Key:

- Indoor Air Sampling Location
- Outdoor Air Sampling Location
- Groundwater Sampling Location

Scale:



Phone 631.504.6000
Fax 631.924.2870

ENVIRONMENTAL BUSINESS CONSULTANTS

FORMER DARBY DRUGS SITE
80-100 BANKS AVENUE, ROCKVILLE CENTRE, NY

FIGURE 3 INDOOR/OUTDOOR AIR AND
GROUNDWATER SAMPLING LOCATIONS



ENVIRONMENTAL BUSINESS CONSULTANTS

APPENDIX A
Indoor Air Quality Questionnaire



ENVIRONMENTAL BUSINESS CONSULTANTS

**1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961**

**PHONE 631.504.6000
FAX 631.924.2870**

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Kevin Waters Date/Time Prepared 3-30-16 7⁴⁵

Preparer's Affiliation EBC Phone No. 631 504 6000

Purpose of Investigation indoor air sampling

1. OCCUPANT:

Interviewed: Y N

Last Name: Bello First Name: Laure

Address: 51 Nassau Street Rockville Centre NY

County: Nassau

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 1 Age of Occupants —

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y N

Last Name: Bello First Name: Laure

Address: 51 Nassau Street Rockville Centre NY

County: Nassau

Home Phone: _____ Office Phone: 516 255 1811

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
 Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response) NO

- | | | |
|--------------|-----------------|-------------------|
| Ranch | 2-Family | 3-Family |
| Raised Ranch | Split Level | Colonial |
| Cape Cod | Contemporary | Mobile Home |
| Duplex | Apartment House | Townhouses/Condos |
| Modular | Log Home | Other: _____ |

If multiple units, how many?

If the property is commercial, type?

Business Type(s) Church

Does it include residences (i.e., multi-use)? Y / N If yes, how many?

Other characteristics:

Number of floors 3 Building age

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Basement air travels between floors
through staircases - Boiler room is on 1st basement level

Airflow near source

yes boiler on 1st basement level

Outdoor air infiltration

Air enters through 3 standard doors, but they
are relatively tight seals.

Infiltration into air ducts

NO examination of boiler air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other _____
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with painted
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? (Y) N
- k. Water in sump? (Y) N / not applicable

Basement/Lowest level depth below grade: 16 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Basement Flooded w/ 2-3' water some slight cracks in foundation nothing major

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply - note primary) 2 systems

- Hot air circulation Heat pump Hot water baseboard
- Space Heaters Stream radiation Radiant floor
- Electric baseboard Wood stove Outdoor wood boiler * Other _____

The primary type of fuel used is:

- Natural Gas Fuel Oil Kerosene
- Electric Propane Solar
- Wood Coal

Domestic hot water tank fueled by: electric

Boiler/furnace located in: 1st Basement Outdoors Main Floor Other _____

Air conditioning: 2 systems Central Air Window units Open Windows None
* Heat/Cooling Air handler

Are there air distribution ducts present? Y N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air from boiler room supplies 1st Floor with heat
 through ducts in the floor
 No cold air return

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	changing rooms / kitchen / Boiler room
1 st Floor	Chapel / offices
2nd Basement 2 nd Floor	Flooded not in use
3 rd Floor	None
4 th Floor	None

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? Y N
- b. Does the garage have a separate heating unit? Y / N NA
- c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N NA
Please specify _____
- d. Has the building ever had a fire? Y / N When? unsure
- e. Is a kerosene or unvented gas space heater present? Y N Where? no
- f. Is there a workshop or hobby/craft area? Y N Where & Type? _____
- g. Is there smoking in the building? Y N How frequently? _____
- h. Have cleaning products been used recently? Y / N When & Type? unsure
- i. Have cosmetic products been used recently? Y / N When & Type? unsure

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N *no occupants*
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response) *no occupants*

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) *Does Not Apply*

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

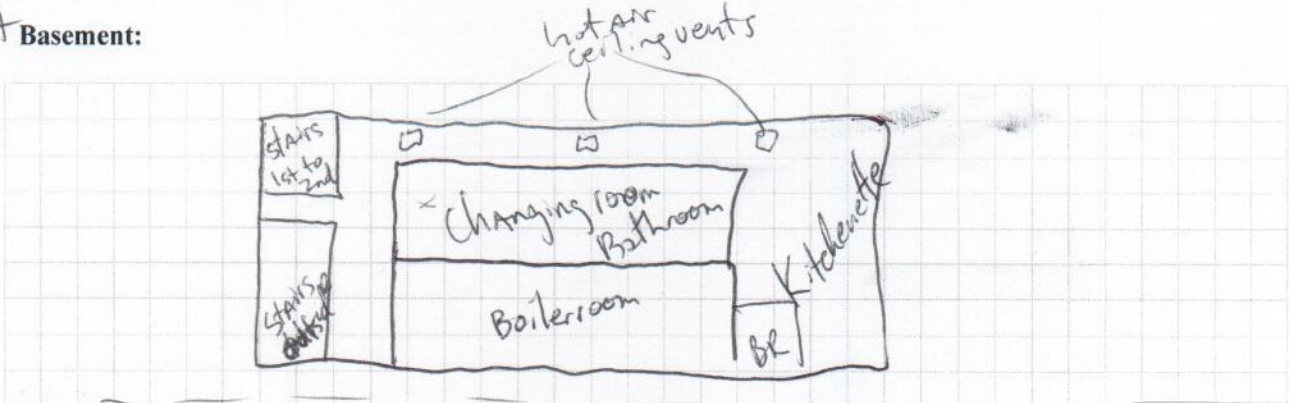
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

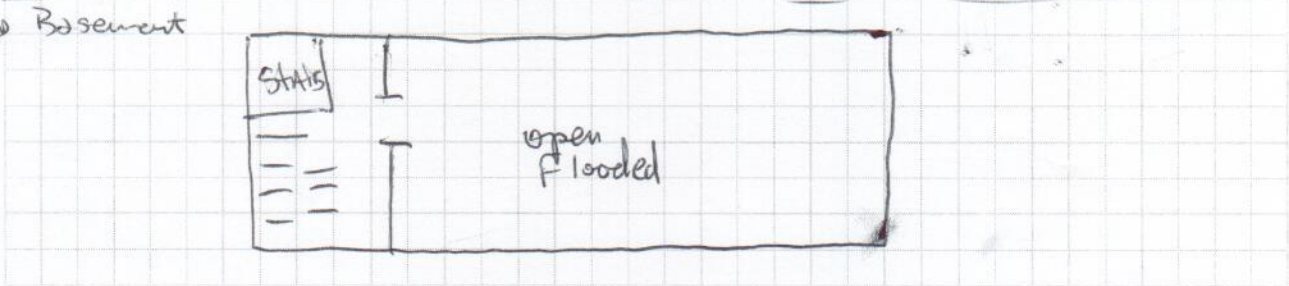
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

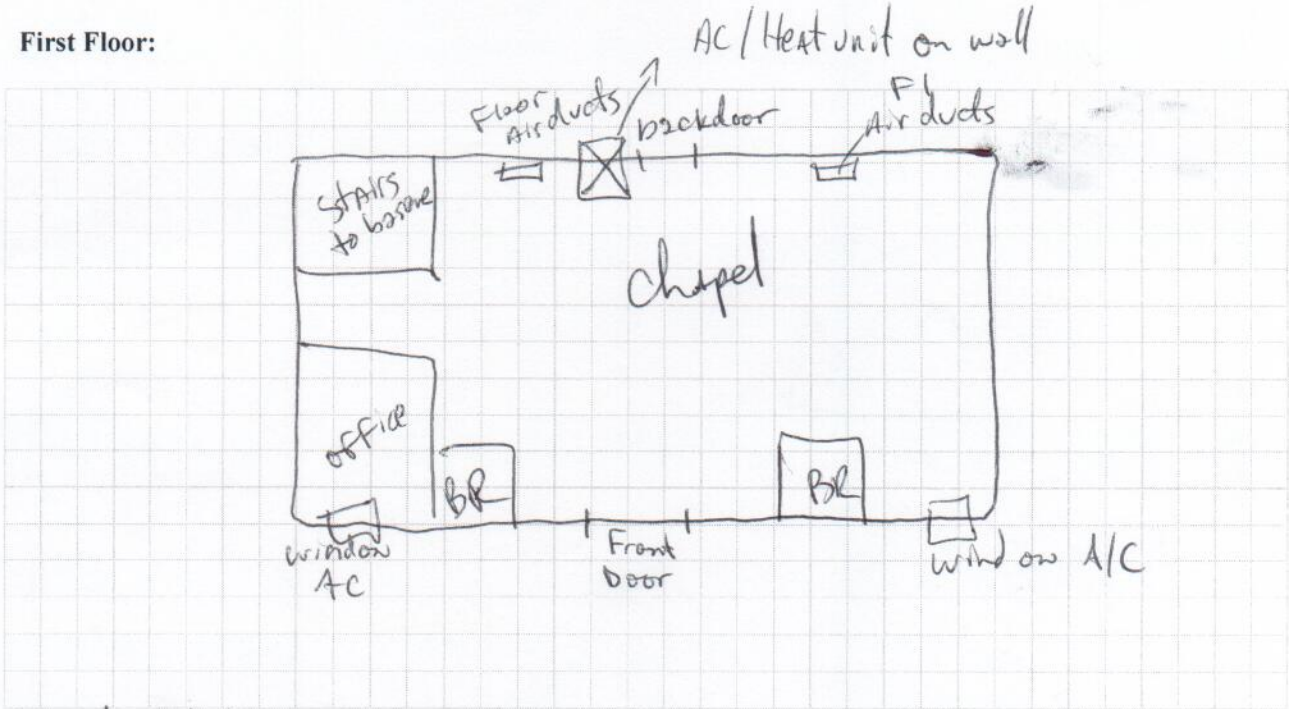
1st Basement:



2nd Basement



First Floor:

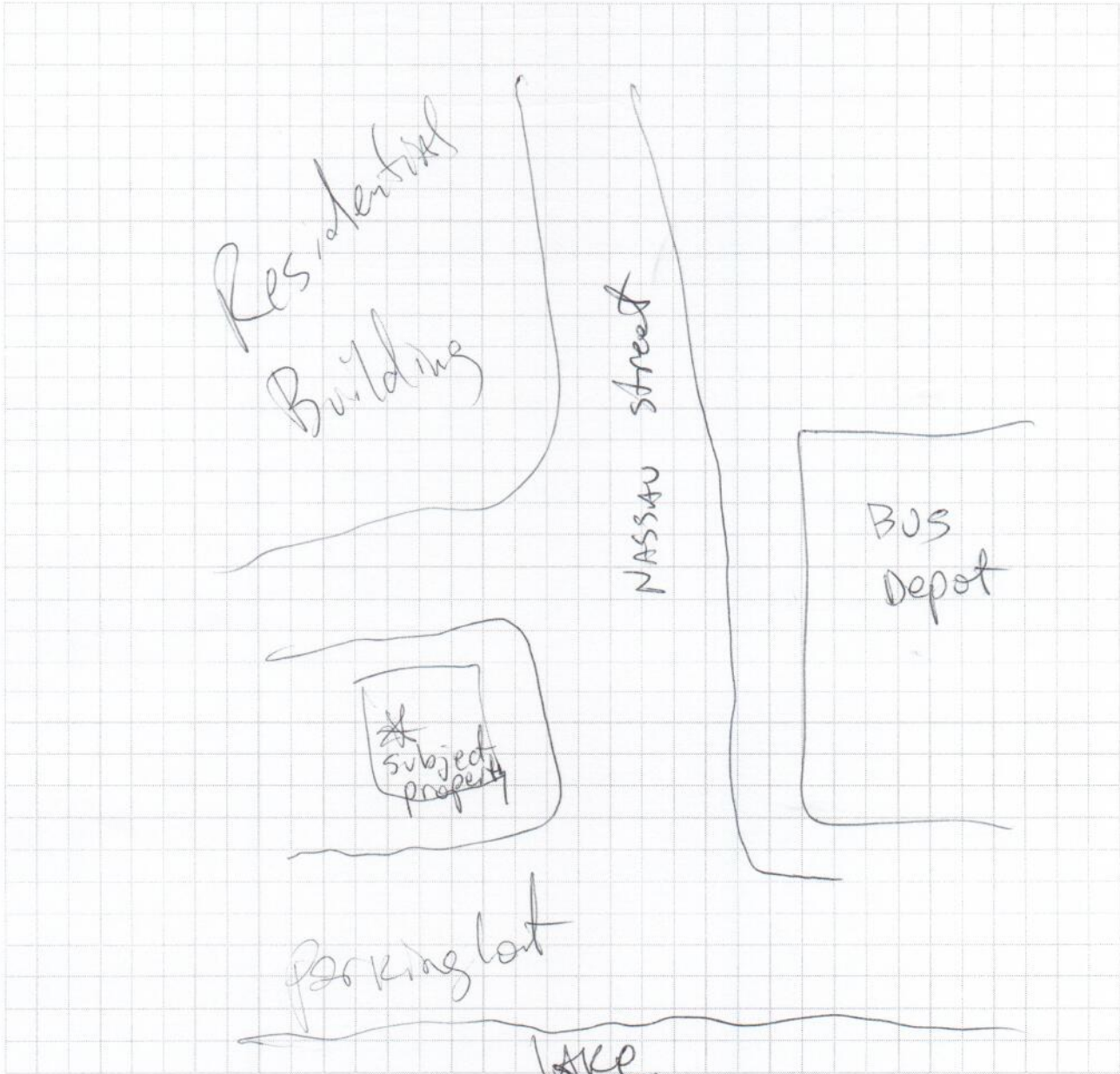


* All Floors same Area

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



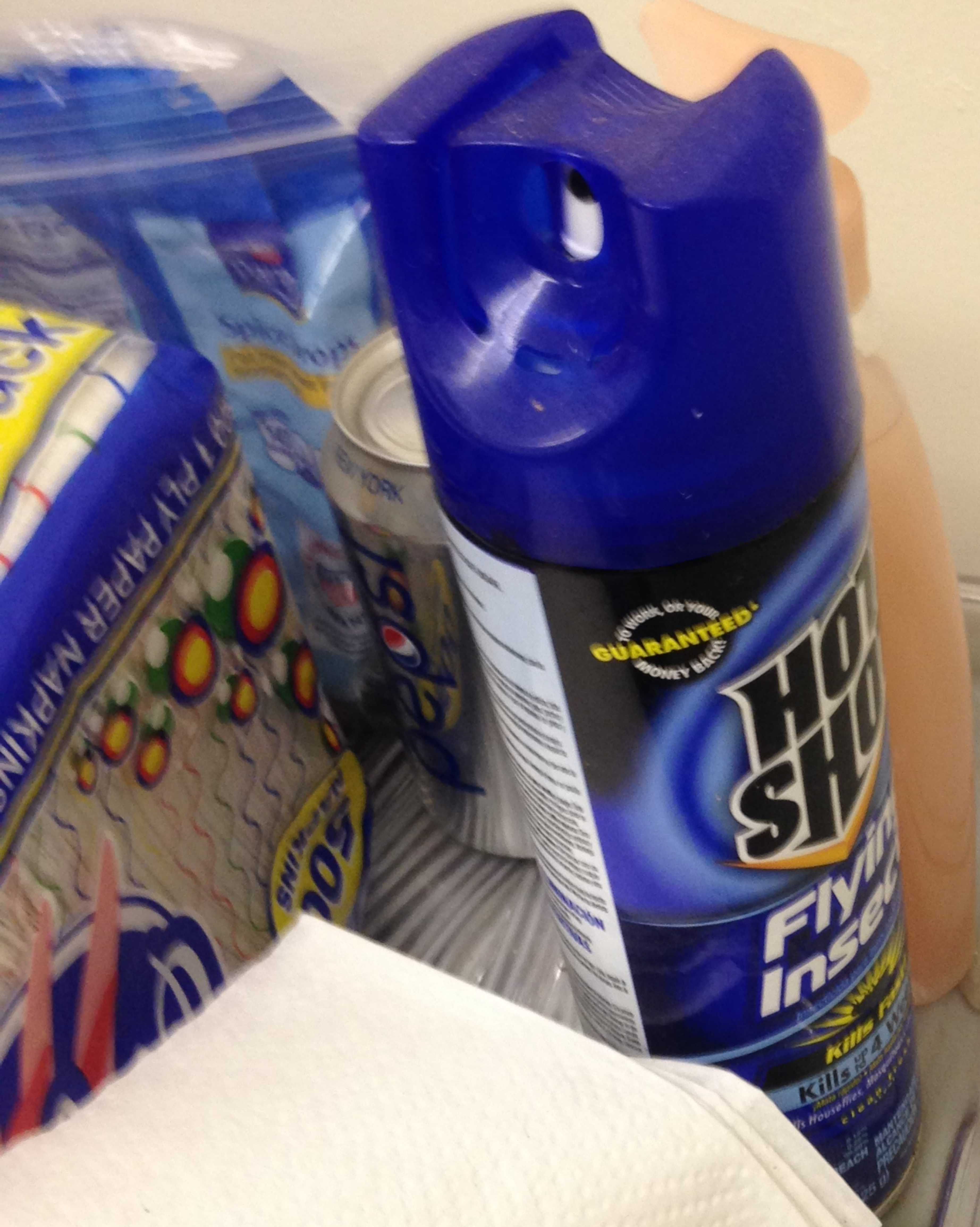
PLEASE RETURN TO:
PHOENIX ENVIRONMENTAL LABS
857 MIDDLE TURNPIKE EAST
MANCHESTER, CT 06040
860-222-2084

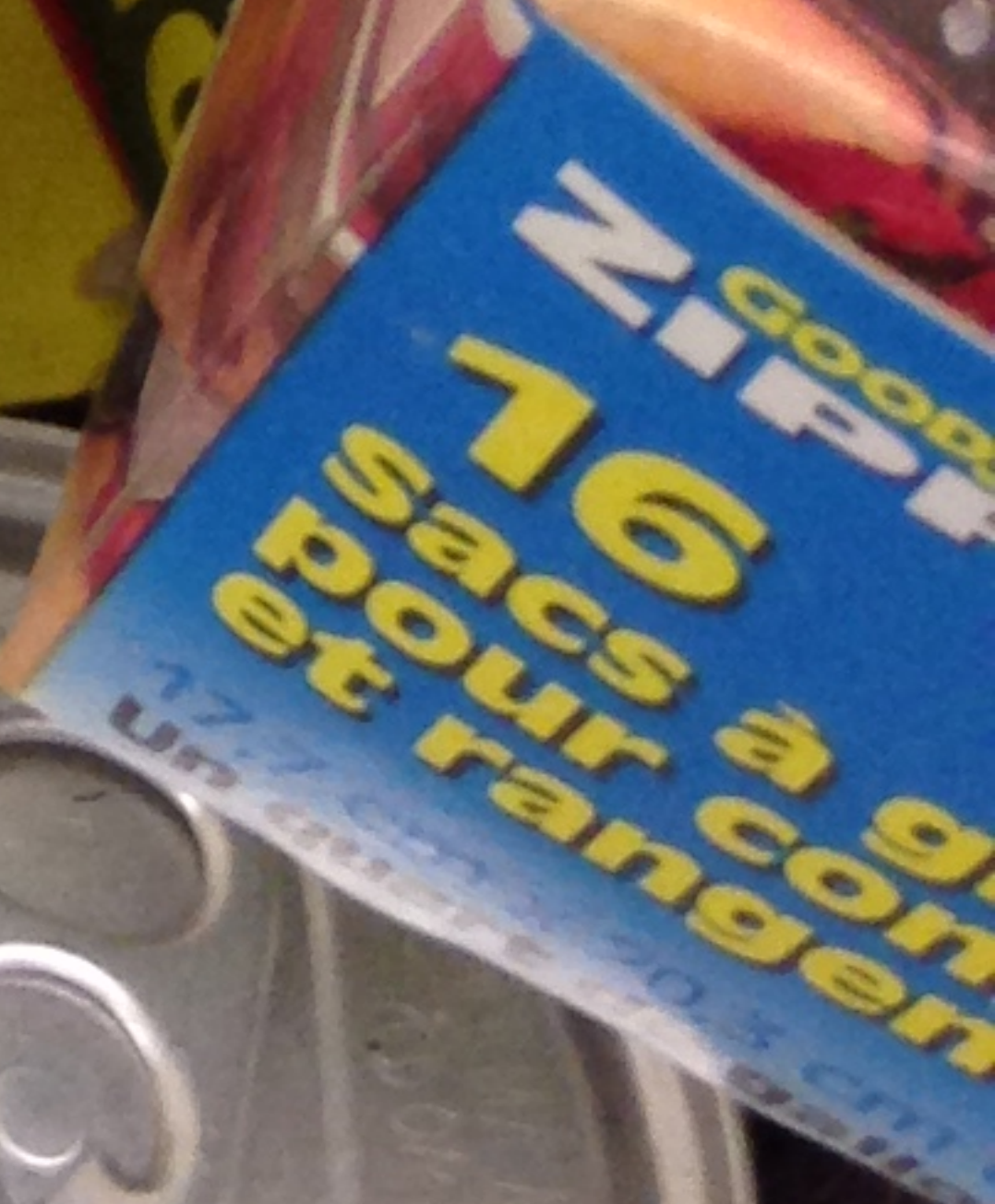
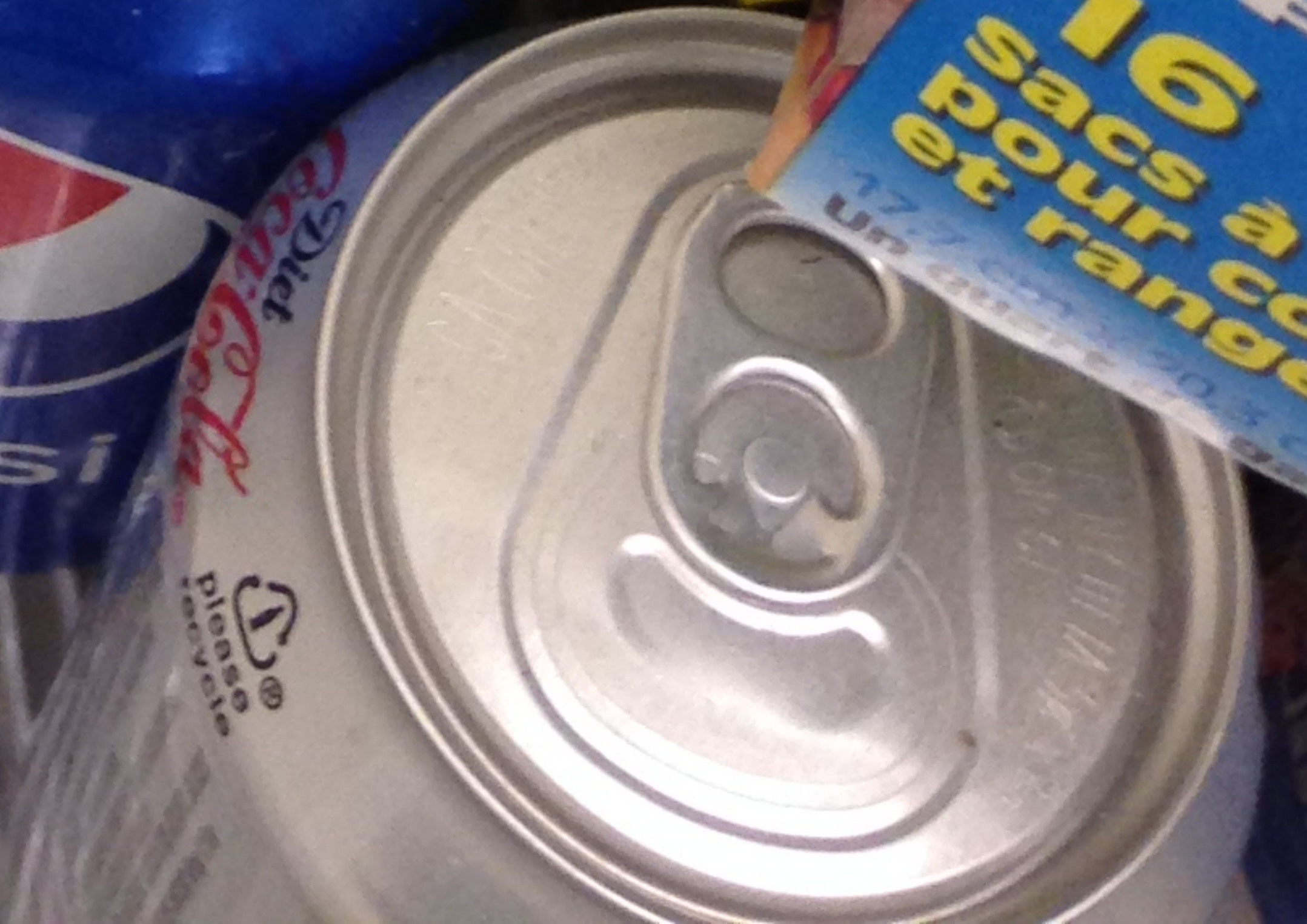
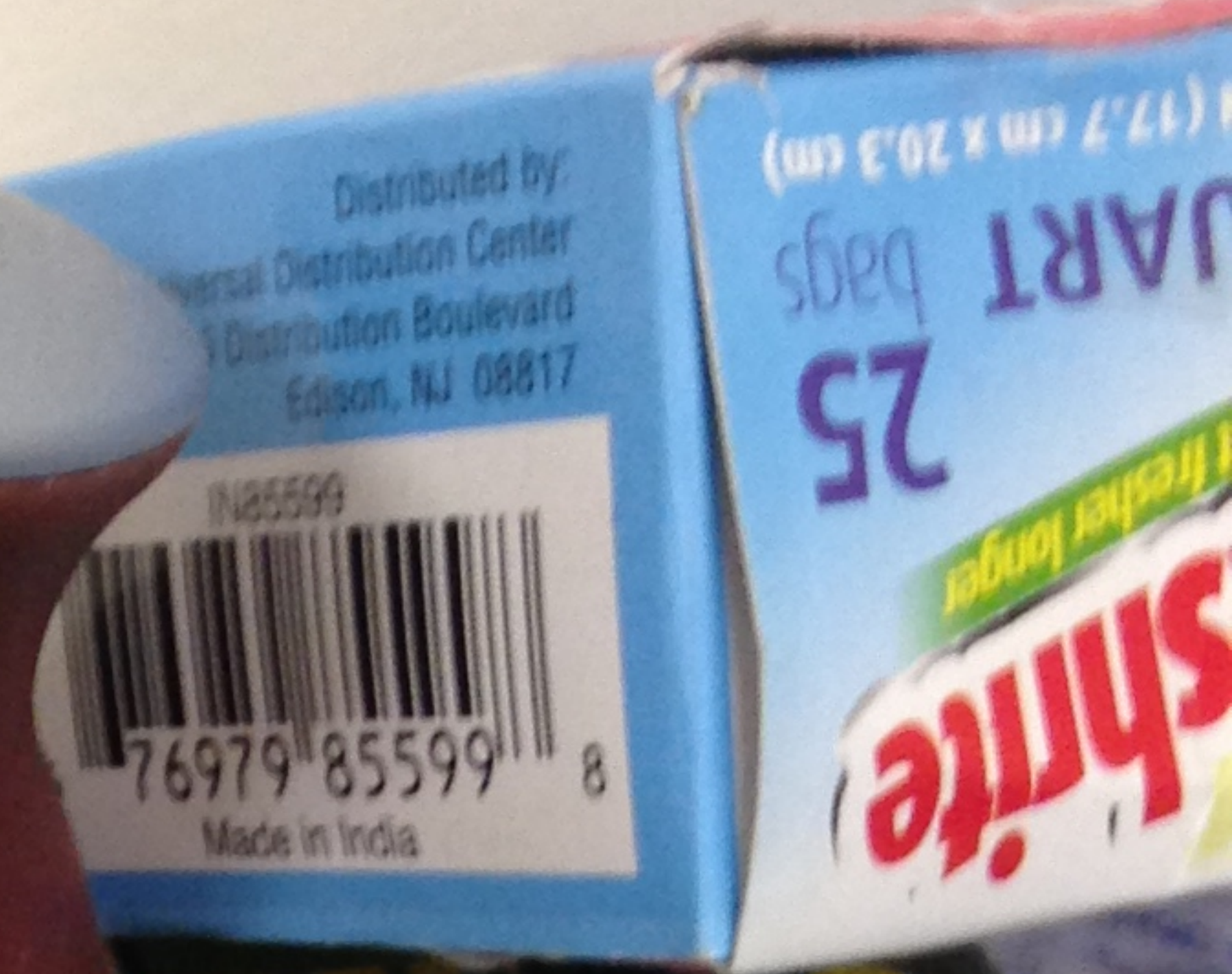


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and warnings.

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www.kleanstrip.com



ENVIRONMENTAL BUSINESS CONSULTANTS

APPENDIX B
Laboratory Report - Air Samples



ENVIRONMENTAL BUSINESS CONSULTANTS

**1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961**

**PHONE 631.504.6000
FAX 631.924.2870**



Monday, April 04, 2016

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 51 NASSAU ST ROCKVILLE CENTRE NY
Sample ID#s: BK97226 - BK97228

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

April 04, 2016

SDG I.D.: GBK97226

Version 1: Analysis results minus QC and forms.



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
 Environmental Business Consultants
 1808 Middle Country Rd
 Ridge NY 11961-2406

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 9767

Custody Information

Collected by: KW
 Received by: SW
 Analyzed by: see "By" below

Date: 03/30/16 16:23
 03/31/16 17:20

Laboratory Data

SDG ID: GBK97226
 Phoenix ID: BK97226

Project ID: 51 NASSAU ST ROCKVILLE CENTRE NY
 Client ID: IA 2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/31/16	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/31/16	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Acetone	3.46	S 0.421	0.421	8.21	1.00	1.00	03/31/16	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/31/16	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/31/16	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/31/16	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/31/16	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/31/16	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/31/16	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/31/16	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/31/16	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/31/16	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/31/16	KCA	1
Chloromethane	0.622	0.485	0.485	1.28	1.00	1.00	03/31/16	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/31/16	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/31/16	KCA	1
Dichlorodifluoromethane	0.409	0.202	0.202	2.02	1.00	1.00	03/31/16	KCA	1
Ethanol	219	E 0.531	0.531	412	1.00	1.00	03/31/16	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/31/16	KCA	1
Hexane	0.360	S 0.284	0.284	1.27	1.00	1.00	03/31/16	KCA	1
Isopropylalcohol	0.799	S 0.407	0.407	1.96	1.00	1.00	03/31/16	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
m,p-Xylene	0.476	0.230	0.230	2.07	1.00	1.00	03/31/16	KCA	1
Methyl Ethyl Ketone	0.474	0.339	0.339	1.40	1.00	1.00	03/31/16	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	03/31/16	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/31/16	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/31/16	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/31/16	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/31/16	KCA	1
Toluene	0.617	0.266	0.266	2.32	1.00	1.00	03/31/16	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/31/16	KCA	1
Trichlorofluoromethane	0.232	0.178	0.178	1.30	1.00	1.00	03/31/16	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/31/16	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/31/16	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	95	%	%	95	%	%	03/31/16	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 04, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
 Environmental Business Consultants
 1808 Middle Country Rd
 Ridge NY 11961-2406

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 12855

Custody Information

Collected by: KW
 Received by: SW
 Analyzed by: see "By" below

Date: 03/30/16 16:20
 03/31/16 17:20

Laboratory Data

SDG ID: GBK97226
 Phoenix ID: BK97227

Project ID: 51 NASSAU ST ROCKVILLE CENTRE NY
 Client ID: OA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/31/16	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/31/16	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Acetone	2.95	S 0.421	0.421	7.00	1.00	1.00	03/31/16	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/31/16	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/31/16	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/31/16	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/31/16	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/31/16	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/31/16	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/31/16	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/31/16	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/31/16	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/31/16	KCA	1
Chloromethane	0.570	0.485	0.485	1.18	1.00	1.00	03/31/16	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/31/16	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/31/16	KCA	1
Dichlorodifluoromethane	0.422	0.202	0.202	2.09	1.00	1.00	03/31/16	KCA	1
Ethanol	10.6	0.531	0.531	20.0	1.00	1.00	03/31/16	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/31/16	KCA	1
Hexane	0.610	S 0.284	0.284	2.15	1.00	1.00	03/31/16	KCA	1
Isopropylalcohol	0.717	S 0.407	0.407	1.76	1.00	1.00	03/31/16	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
m,p-Xylene	0.282	0.230	0.230	1.22	1.00	1.00	03/31/16	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	03/31/16	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Methylene Chloride	0.779	S 0.288	0.288	2.70	1.00	1.00	03/31/16	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/31/16	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/31/16	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/31/16	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/31/16	KCA	1
Toluene	0.627	0.266	0.266	2.36	1.00	1.00	03/31/16	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/31/16	KCA	1
Trichlorofluoromethane	0.250	0.178	0.178	1.40	1.00	1.00	03/31/16	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/31/16	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/31/16	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	97	%	%	97	%	%	03/31/16	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 04, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
 Environmental Business Consultants
 1808 Middle Country Rd
 Ridge NY 11961-2406

Sample Information

Matrix: AIR
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:
 Canister Id: 353

Custody Information

Collected by: KW
 Received by: SW
 Analyzed by: see "By" below

Date: 03/30/16 16:24
 03/31/16 17:20

Laboratory Data

SDG ID: GBK97226
 Phoenix ID: BK97228

Project ID: 51 NASSAU ST ROCKVILLE CENTRE NY
 Client ID: IA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/31/16	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/31/16	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/31/16	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/31/16	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/31/16	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/31/16	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Acetone	3.69	S 0.421	0.421	8.76	1.00	1.00	03/31/16	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/31/16	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/31/16	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/31/16	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/31/16	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/31/16	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/31/16	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/31/16	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/31/16	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/31/16	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/31/16	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/31/16	KCA	1
Chloromethane	0.597	0.485	0.485	1.23	1.00	1.00	03/31/16	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/31/16	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/31/16	KCA	1
Dichlorodifluoromethane	0.399	0.202	0.202	1.97	1.00	1.00	03/31/16	KCA	1
Ethanol	50.7	E 0.531	0.531	95.5	1.00	1.00	03/31/16	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/31/16	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/31/16	KCA	1
Hexane	0.329	S 0.284	0.284	1.16	1.00	1.00	03/31/16	KCA	1
Isopropylalcohol	0.810	S 0.407	0.407	1.99	1.00	1.00	03/31/16	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/31/16	KCA	1
m,p-Xylene	0.517	0.230	0.230	2.24	1.00	1.00	03/31/16	KCA	1
Methyl Ethyl Ketone	0.589	0.339	0.339	1.74	1.00	1.00	03/31/16	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/31/16	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	03/31/16	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/31/16	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	03/31/16	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/31/16	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/31/16	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	03/31/16	KCA	1
Tetrahydrofuran	0.432	0.339	0.339	1.27	1.00	1.00	03/31/16	KCA	1
Toluene	0.756	0.266	0.266	2.85	1.00	1.00	03/31/16	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/31/16	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/31/16	KCA	1
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/31/16	KCA	1
Trichlorofluoromethane	0.263	0.178	0.178	1.48	1.00	1.00	03/31/16	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/31/16	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/31/16	KCA	1
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	96	%	%	96	%	%	03/31/16	KCA	1

Client ID: IA 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 04, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Monday, April 04, 2016

Criteria: None

State: NY

Sample Criteria Exceedences Report

Page 1 of 1

GBK97226 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD

AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:

Fax #:

Email: File

Phone #:

Page 6 of 7

Report to: Patrick Precio
 Customer: EBC
 Address: _____
 Invoice to: EBC
 Project Name: 51 Nassau Street Roxville Center NY
 Requested Deliverable: RCP ASP CAT B
 MCP NJ Deliverables
 State where samples collected: NY

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY						Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	ANALYSES	
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)									TO-14	TO-15
97226	IAZ	9767	6.0	-30	-2	4989	13.9	830	1623	3306	-30	-5	X		X		
	did not use	172	6.0	-30		4978											
97227	OAI	1855	6.0	-30	-2	3051		838	1620		-30	-6	X		X		
	did not use	1867	6.0	-30		4954											
97228	IA1	353	6.0	-30	-3	8099		826	1624		-30	-4	X		X		

Relinquished by: [Signature]
 Date: 3-31-16 Time: 9:37
 Accepted by: [Signature]
 Date: 3-31-16 Time: 11:20
 Data Format: Excel PDF GISKey
 Equis Other:

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:
 Requested Criteria: _____
 Quote Number: _____
 Signature: _____
 Date: _____

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.



ENVIRONMENTAL BUSINESS CONSULTANTS

APPENDIX C
Laboratory Report - Water Sample



ENVIRONMENTAL BUSINESS CONSULTANTS

**1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961**

**PHONE 631.504.6000
FAX 631.924.2870**



Wednesday, April 06, 2016

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 51 NASSAN ST., ROCKVILLE CENTER
Sample ID#s: BK99174 - BK99175

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

April 06, 2016

SDG I.D.: GBK99174

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 06, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
 Environmental Business Consultants
 1808 Middle Country Rd
 Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

03/30/16
 04/01/16

Time

9:00
 19:05

Laboratory Data

SDG ID: GBK99174
 Phoenix ID: BK99174

Project ID: 51 NASSAN ST., ROCKVILLE CENTER
 Client ID: BASEMENT GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	04/02/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.3	JS 5.0	2.5	ug/L	1	04/02/16	MH	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	04/02/16	MH	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/02/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	04/02/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	04/02/16	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	04/02/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C	
Toluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/02/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99			%	1	04/02/16	MH	70 - 130 %	
% Bromofluorobenzene	95			%	1	04/02/16	MH	70 - 130 %	
% Dibromofluoromethane	96			%	1	04/02/16	MH	70 - 130 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98			%	1	04/02/16	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

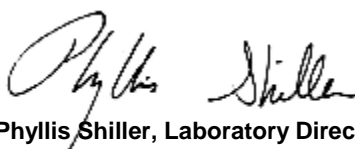
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 06, 2016

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 06, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
 Environmental Business Consultants
 1808 Middle Country Rd
 Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

03/30/16

Time

19:05

Laboratory Data

SDG ID: GBK99174
 Phoenix ID: BK99175

Project ID: 51 NASSAN ST., ROCKVILLE CENTER
 Client ID: GW TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	04/02/16	MH	SW8260C
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	04/02/16	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	04/02/16	MH	SW8260C
Bromobenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/02/16	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	04/02/16	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	04/02/16	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	04/02/16	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	04/02/16	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	04/02/16	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/02/16	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	04/02/16	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	04/02/16	MH	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	04/02/16	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	04/02/16	MH	70 - 130 %
% Dibromofluoromethane	96			%	1	04/02/16	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	04/02/16	MH	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1

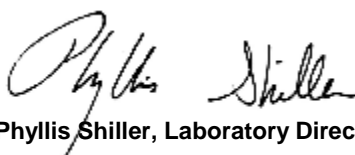
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

April 06, 2016

Reviewed and Released by: Ethan Lee, Project Manager

Sample Criteria Exceedences Report

GBK99174 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK99174	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK99174	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK99174	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK99175	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK99175	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK99175	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

April 06, 2016

SDG I.D.: GBK99174

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

