Landfill Gas and Control System Monitoring
Town of Huntington East Northport Landfill
East Northport, New York
September, 2008

Prepared for:

Town of Huntington Department of Environmental Waste Management
100 Main Street
Huntington, New York 11743

Prepared by:

R & C Formation, Ltd.
705 Bedford Ave., Suite 2B
Bellmore, New York 11710

TABLE OF CONTENTS

Figure

Summary Tables

Appendix

Landfill Gas and Control System Monitoring
Town of Huntington East Northport Landfill
East Northport, New York
September, 2008

Introduction

This report presents the results of September, 2008 landfill gas and control system monitoring activities performed at the Town of Huntington East Northport Landfill, as stipulated by the New York State Department of Environmental Conservation.

The primary landfill gas migration control system consists of thirty active landfill gas control wells connected - via a single header pipe forming a complete loop around the 44 acre East Northport Landfill - to one blower station. Landfill gas monitoring wells (consisting of 3-4 probes screened from approximately 5-70 feet below grade), situated outside of the aforementioned header pipe, provide a means to verify the control system's efficacy. Separate landfill gas control and monitoring systems are located at adjacent Animal Control and Resource Recovery Facilities.

The landfill area and pertinent components of the landfill gas monitoring and control system are depicted in Figure 1. The scope-of-work completed (per our agreement with the Town of Huntington Department of Environmental Waste Management dated December 4, 2006) precedes a summary of results. A discussion of methane monitoring data - with an emphasis on trends and occurrence - and the system's physical and operating condition follows.

Scope-of-Work

The scope-of-work includes performance of the following on a monthly basis:

1) Monitoring of all probes in 41 landfill monitoring wells and up to 5 probes around the Town Animal Control Facility for methane gas and gas pressure.

2) Monitoring of 30 methane control wells and blower station for temperature, flow rate, vacuum, methane and oxygen (balance of the control system to be checked and adjustment to wells and to blower intake made, if necessary).

SITE LOCATOR

APPROXIMATE SCALE: 1" = 2000'

LEGEND

- MW-45 ⊕ MONITORING WELL
- EXT-2 ▲ CONTROL WELL
- CD-1 ⊗ CONDENSATE DRAIN
- HEADER PIPE
- DIRECTION OF LANDFILL GAS FLOW IN HEADER PIPE

ANIMAL SHELTER

L.I.P.A RIGHT-OF-WAY

RECHARGE BASIN

APPROXIMATE LIMIT OF LANDFILL TOE OF SLOPE (TYP)

BLOWER STATION

SYSTEM ISOLATION VALVE A

WEST BRANCH

EAST BRANCH

TOWN LINE ROAD

MW-51, EXT-5, AS-NW, AS-NE, MW-48, MW-49, EXT-4, MW-47, EXT-3, MW-46, MW-45, EXT-2, MW-44, EXT-1, NW6, MW-43, CD-1, NW5, MW-42, NW4, MW-41, NW3, MW-40, NW2, MW-38, NW1, MW-37, CD-2, MW-23, CWI-4, MW-28, MW-27, MW-26, CWI-5, MW-25, MW-24, CWI-6, MW-22, MW-20, CWI-7, MW-19, CD-3, MW-18, CWI-1, MW-17, CWII-2, MW-16, CWII-3, MW-15, CWII-4, MW-13, MW-11, MW-12, CWII-5, MW-10, CD-4, CWII-6, MW-9, CWII-7, MW-8, MW-7, CWII-8, MW-6, CWII-9, MW-5, CD-5, MW-4, N6, MW-3, MW-2, N5, N4, N3, N2, MW-B, N1, MW-A, AS-SW, AS-SC, AS-SE

R & C FORMATION, LTD.	
TITLE: LANDFILL GAS MONITORING AND CONTROL SYSTEM	DATE: 9/22/03
	SCALE: AS SHOWN
FIGURE: 1	TOWN OF HUNTINGTON EAST NORTHPORT LANDFILL EAST NORTHPORT, NY
	DRAWING NO: 01006-1A
	APPR. BY: B.C.

3) Examination of 5 condensate traps in the control system for proper operation and water accumulation.

4) Noting of any problems, damage, missing parts etc. at each monitoring well, methane control well, condensate trap, Animal Control Facility probes and blower station.

Summary of Results

General

Reported monthly monitoring activities were performed September 24, 2008. Climatic conditions for the monitoring period are as follows:

Temperature: 59 (°F); Barometric Pressure: 30.42 (in. Hg); Relative Humidity: 66.0%; Precipitation: 0.00 inches; Wind Speed & Direction: 6.0 mph, northerly.

Monitoring Wells

Table 1 presents a summary of measured and recorded landfill gas monitoring well data. As shown, methane was not detected throughout the entire monitoring well network.

LFG Control Wells

Table 2 presents a summary of measured and recorded landfill gas control well data; including the system's blower station where 2 "inlet" measuring points (Blower Station 1 & 2) and 1 "outlet" measuring point (Blower Station 3) are located. As shown on Table 2, control well vacuum values (i.e., negative pressure), a direct indicator of the system's balance, range from 0.0 - -2.1 (in. H_20). "Extracted" methane values range from 0.0 – 2.0%.

Blower Station Outlet

Analytical results in relation to landfill gas sampled at Blower Station outlet BS-3 (via a SUMMA canister using EPA Method TO-14) - in comparison to background levels developed from the Environmental Protection Agency's *Building Assessments and Survey Evaluation Database* (2001) – are summarized in Appendix 1. A copy of the original laboratory analytical report is presented in Appendix 2.

Condensate Traps

Standing water measured within condensate traps CD-1 (trace), CD-2 (3.9 feet), CD-3 (1.33 feet), CD-4 (7.9 feet) and CD-5 (4.9 feet) was evacuated, as per usual, upon the completion of monitoring activities.

Discussion

Methane Monitoring Data

A summary of measured and recorded methane concentrations detected at landfill gas monitoring wells throughout the period-of-record from January, 2006 through September, 2008 are presented on Table 3. As shown, methane has been detected sporadically and at low levels at 14 monitoring wells. The most elevated concentration detected throughout the entire landfill gas monitoring well network continues to be 5.0 %; as measured at Animal Control Facility monitoring well AS-NE during March, 2001 monitoring activities (see October, 2007 report).

Methane has not been detected at primary landfill gas migration control system monitoring wells since a nominal concentration (0.1%) was recorded at MW-49 during June, 2002 monitoring activities. The sporadic nature of low-level methane detections indicates that landfill gas control systems in relation to both the Animal Control Facility and East Northport Landfill continue to perform effectively.

Table 4 presents a summary of methane concentrations detected at landfill gas control wells during the period-of-record from January, 2006 through September, 2008. As shown on Table 4, reported values are generally consistent throughout the 33 month period.

Physical and Operating Condition

As indicated by current and historic landfill gas monitoring data summarized above, the East Northport Landfill's primary landfill gas control system continues to effectively negate the off-site migration of methane. Vacuum values remain comparatively low at the northern-most portion of the system, as they have throughout the monitoring period-of-record (see Appendix 3); however, more of a site-wide balance has developed in recent monitoring events.

The physical condition of system monitoring wells and control wells is noted on Table 1 and Table 2, respectively.

Blower station pump # 2 was in operation during September monitoring activities and all control wells continue to be set in the full-open-position. This full-open-position will be maintained for an evaluation period and modified if/as necessary.

Recommendations

* In the event that methane is detected at any monitoring well associated with the primary landfill gas migration control system, recommence the monitoring of off and on-site structures.

* Assess occurrence of methane versus landfill area (i.e., identify dominant landfill gas production zones).

* Continue assessment of potential impact of all control valves at full-open-position on system-wide vacuum/methane levels.

* Maintain the inspection and, when necessary, pumpage periodicity of standing water within condensate traps CD-1 through CD-5 (e.g., semi-weekly).

Table 1
Landfill Gas Monitoring Well Data
Town of Huntington East Northport Landfill, East Northport, New York
Measured September 24, 2008

Well No.	Probe Pressure (in. H2O)				Methane 0-100% (Volume)				Condition
	A	B	C	D	A	B	C	D	
MW-A	-0.1	-0.1			0.0	0.0			
MW-B	-0.2	-0.2			0.0	0.0			
MW-2	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	
MW-3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	
MW-4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MW-5	0.0	0.0	0.0		0.0	0.0	0.0		
MW-6	0.0	0.0	0.0		0.0	0.0	0.0		
MW-7	0.0	0.0	0.0		0.0	0.0	0.0		
MW-8	-0.1	-0.1	-0.1		0.0	0.0	0.0		
MW-9	0.1	-0.1	0.0		0.0	0.0	0.0		
MW-10	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	
MW-11	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	
MW-12	-0.1	-0.1	-0.1		0.0	0.0	0.0		
MW-13	0.0	-0.1	-0.2		0.0	0.0	0.0		
MW-15	-0.1	-0.1	-0.1		0.0	0.0	0.0		
MW-16	0.0	-0.2	-0.1		0.0	0.0	0.0		
MW-17	-0.1	0.0	-0.2		0.0	0.0	0.0		
MW-18	0.0	0.0	-0.2		0.0	0.0	0.0		
MW-19	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	
MW-20	-0.2	-0.2	-0.2		0.0	0.0	0.0		
MW-21	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	
MW-22	-0.1	-0.1	-0.1		0.0	0.0	0.0		

Table 1 (continued)

Well No.	Probe Pressure (in. H2O)				Methane 0-100% (Volume)				Condition
	A	B	C	D	A	B	C	D	
MW-23	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	
MW-24	0.0	-0.1	0.0		0.0	0.0	0.0		
MW-25	0.0	0.0	-0.3		0.0	0.0	0.0		
MW-26	-0.1	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0	
MW-27	0.0	-0.1	0.0		0.0	0.0	0.0		
MW-28	0.0	0.0	0.0		0.0	0.0	0.0		
MW-37	0.0	0.0	0.0		0.0	0.0	0.0		
MW-38	0.0	-0.1	-0.1		0.0	0.0	0.0		
MW-40	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	
MW-41	-0.1	0.0	0.0		0.0	0.0	0.0		
MW-42	0.0	0.0	0.0		0.0	0.0	0.0		
MW-43	0.0	0.0	0.0		0.0	0.0	0.0		
MW-44	0.0	0.0	0.0		0.0	0.0	0.0		
MW-45	0.0	0.0	0.0		0.0	0.0	0.0		
MW-46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MW-47	0.0	0.0	0.0		0.0	0.0	0.0		
MW-48	0.0	0.0	-0.1		0.0	0.0	0.0		
MW-49	-0.1	0.0	0.0		0.0	0.0	0.0		
MW-51	-0.1	-0.1	0.0		0.0	0.0	0.0		
AS-NW	0.0				0.0				
AS-NE	0.0				0.0				
AS-SW	0.0				0.0				
AS-SC	0.0				0.0				
AS-SE	0.0				0.0				

A - Shallow Probe *B - Middle Probe* *C - Deep Probe* *D - Deepest Probe*

Shading indicates the well is not equipped with that particular probe.

NA - Not Available

Table 2
Landfill Gas Control Well Data
Town of Huntington East Northport Landfill, East Northport, New York
Measured September 24, 2008

Well No.	Temp (°F)	Flow Rate (ft^3/min)	Vacuum (in. H2O)	Methane 0-100 % (Volume)	Oxygen % in Air	Condition
CWI-4	70.7	208.00	-1.9	0.0	19.7	
CWI-5	72.8	109.00	-2.1	0.2	18.6	
CW1-6	80.1	21.60	-2.1	0.2	18.8	
CWI-7	85.7	20.00	-2.0	0.8	17.3	
CWII-1	92.4	23.00	-2.0	1.8	15.4	
CWII-2	90.9	57.50	-2.0	0.4	16.6	
CWII-3	86.5	12.20	-2.0	0.3	16.4	
CWII-4	80.1	30.60	-1.9	0.7	16.8	
CWII-5	83.2	9.60	-1.9	0.2	16.3	
CWII-6	85.4	24.90	-1.6	0.6	15.1	
CWII-7	73.7	19.20	-1.1	0.0	17.2	
CWII-8	84.1	0.20	0.0	0.0	19.7	
CWII-9	77.2	23.80	-0.8	0.1	18.1	
NW-1	58.9	63.50	-1.9	0.0	20.8	
NW-2	61.2	29.40	-2.0	0.0	20.8	
NW-3	58.7	73.50	-1.8	0.0	20.7	
NW-4	59.9	32.30	-1.7	0.0	20.5	
NW-5	57.9	82.00	-1.5	0.0	20.7	
NW-6	58.3	54.50	-1.4	0.0	20.7	
Ext-1	62.9	4.57	0.0	0.0	20.8	
Ext-2	69.0	28.80	-0.5	0.0	19.8	
Ext-3	68.7	35.80	-1.4	0.0	18.3	
Ext-4	74.2	27.10	-1.5	0.0	18.7	
Ext-5	65.7	52.10	-1.2	0.0	19.7	
N-1	77.4	0.15	-0.2	0.0	20.9	
N-2	83.1	1.52	-0.5	2.0	9.5	
N-3	72.6	5.05	-0.1	0.0	20.5	
N-4	74.7	0.10	-0.1	0.0	20.2	
N-5	72.1	1.00	-0.1	0.0	20.1	
N-6	74.0	15.30	-0.8	0.0	19.6	
Blower Station - 1	69.0	1,140.00	-3.0	0.1	19.1	
Blower Station - 2	71.7	2,240.00	-18.9	0.1	19.1	
Blower Station - 3	82.2	1,190.00	-0.1	0.1	19.1	

NA - Not Available

Table 3
Summary of Methane Detections
Landfill Gas Monitoring Wells
Town of Huntington East Northport Landfill, East Northport, New York
for period of record between January, 2006 and September, 2008

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07
MW-7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-18A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-24C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-38B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-39A	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-NE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

NA - Not Available

Measured in % Volume

Table 3 (continued)

Well	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08
MW-7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-8C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-18A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-24C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-38B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-39A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-49A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-49C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-SC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AS-NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NA - Not Available

Measured in % Volume

Table 3 (continued)

Well	9/08															
MW-7C	0.0															
MW-8C	0.0															
MW-9A	0.0															
MW-9B	0.0															
MW-9C	0.0															
MW-11A	0.0															
MW-12A	0.0															
MW-12C	0.0															
MW-18A	0.0															
MW-19A	0.0															
MW-24C	0.0															
MW-38B	0.0															
MW-39A	NA															
MW-49A	0.0															
MW-49B	0.0															
MW-49C	0.0															
AS-SW	0.0															
AS-SC	0.0															
AS-NE	0.0															

NA - Not Available

Measured in % Volume

Table 4
Landfill Gas Control Well Methane Data
Town of Huntington East Northport Landfill, East Northport, New York
for period of record between January, 2006 and September, 2008

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07
CWI-4	0.0	0.3	0.4	0.2	0.1	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.1
CWI-5	0.0	1.8	2.0	1.5	0.8	1.5	0.2	0.0	0.0	1.0	0.8	0.7	0.7	2.1	0.0	0.7
CWI-6	0.1	0.3	0.1	0.4	1.0	0.9	0.2	0.0	0.0	0.0	1.0	0.6	0.6	0.0	0.0	0.8
CWI-7	0.2	5.0	6.0	5.0	0.1	0.7	0.6	0.0	0.0	0.2	2.2	1.5	1.1	NA	0.1	2.0
CWII-1	0.4	5.0	6.0	2.7	1.6	2.4	2.6	7.0	0.0	0.3	4.0	4.0	3.8	5.0	5.0	3.8
CWII-2	0.2	4.5	4.2	3.4	2.7	1.9	1.0	2.2	0.0	3.0	1.6	1.6	1.6	1.2	1.7	1.7
CWII-3	0.2	2.3	2.1	0.9	1.8	1.5	1.5	1.7	0.0	0.2	0.0	0.7	1.1	1.1	1.3	NA
CWII-4	0.2	4.0	3.8	1.0	4.0	1.3	0.8	4.7	0.0	0.3	5.0	2.8	2.8	1.7	3.6	2.7
CWII-5	0.0	1.0	4.2	0.5	0.7	0.6	0.4	1.5	0.0	0.0	0.8	0.4	0.6	0.8	0.2	0.4
CWII-6	0.2	3.5	0.7	0.8	2.0	0.6	1.1	0.5	0.0	0.1	0.9	1.4	1.7	1.7	0.3	1.2
CWII-7	0.0	0.1	3.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
CWII-8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CWII-9	0.0	1.1	0.0	0.7	0.6	0.2	0.5	0.4	0.0	0.0	0.4	0.4	0.7	0.6	0.4	0.3
NW-1	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-3	0.2	0.0	0.0	0.0	0.2	0.0	0.8	0.2	0.0	3.0	1.2	0.3	1.3	0.2	0.0	0.1
Ext-4	0.2	0.0	0.0	0.0	0.4	0.2	0.4	0.1	0.0	2.0	0.4	0.2	1.0	0.1	0.0	0.1
Ext-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-2	2.6	1.3	0.6	11.0	NA	0.0	4.8	0.0	0.8	4.4	3.0	0.5	0.2	0.0	3.1	4.0
N-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-6	NA	0.0	0.0	0.1	NA	0.7	0.1	0.1	0.0	0.0	NA	NA	NA	NA	NA	0.0
BS-1	0.1	0.0	0.6	0.9	0.7	0.4	0.4	0.0	0.1	0.9	0.7	0.5	0.5	0.6	0.1	0.5

NA - Not Available

Measured in % Volume

Table 4 (continued)

Well	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08
CWI-4	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
CWI-5	0.8	0.9	0.8	0.7	0.8	0.8	0.0	0.7	0.5	0.5	2.5	0.4	0.2	0.3	0.4	0.0
CWI-6	0.7	1.1	1.3	0.8	1.0	0.8	0.1	0.5	0.6	0.9	0.5	0.4	0.3	0.5	0.7	0.3
CWI-7	2.3	2.4	2.3	2.0	3.0	2.6	0.2	2.0	2.2	2.1	1.3	1.1	0.9	1.2	1.3	0.5
CWII-1	4.6	9.0	8.0	5.0	5.0	1.3	5.0	7.0	7.0	10.0	4.0	3.3	2.2	3.8	3.8	1.0
CWII-2	1.9	2.3	2.0	1.5	1.8	6.0	1.4	1.0	1.1	1.2	0.7	0.9	0.6	0.7	0.9	2.5
CWII-3	NA	3.8	2.7	4.0	3.5	1.8	2.8	0.3	1.5	2.2	1.4	1.0	0.5	1.0	1.4	0.7
CWII-4	2.6	3.5	3.3	3.1	3.5	2.6	3.5	2.5	2.1	2.7	2.0	1.5	1.1	1.5	1.5	1.0
CWII-5	0.9	1.7	1.3	1.7	1.8	0.9	1.0	0.2	0.3	0.4	2.5	0.3	0.3	0.5	0.8	1.2
CWII-6	1.7	2.5	2.0	2.0	2.9	1.7	2.1	0.3	1.0	0.7	0.7	0.7	0.6	0.8	0.0	0.5
CWII-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
CWII-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CWII-9	0.5	0.5	0.5	0.4	0.6	0.4	0.5	0.3	4.5	0.2	0.2	0.2	0.2	0.2	0.1	0.3
NW-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
NW-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext-3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.5	1.5	0.2	0.0	0.0	0.0	0.0	0.0
Ext-4	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ext-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-2	2.8	3.4	3.3	3.0	3.4	4.7	0.3	3.5	2.0	NA	1.5	2.8	2.2	2.4	2.3	2.2
N-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N-6	0.0	0.0	0.0	0.0	0.0	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BS-1	0.5	0.7	0.4	0.7	0.7	0.6	0.0	0.5	0.4	0.5	0.3	0.3	0.2	0.3	0.3	0.3

NA - Not Available

Measured in % Volume

Table 4 (continued)

Well	9/08															
CWI-4	0.0															
CWI-5	0.2															
CWI-6	0.2															
CWI-7	0.8															
CWII-1	1.8															
CWII-2	0.4															
CWII-3	0.3															
CWII-4	0.7															
CWII-5	0.2															
CWII-6	0.6															
CWII-7	0.0															
CWII-8	0.0															
CWII-9	0.1															
NW-1	0.0															
NW-2	0.0															
NW-3	0.0															
NW-4	0.0															
NW-5	0.0															
NW-6	0.0															
Ext-1	0.0															
Ext-2	0.0															
Ext-3	0.0															
Ext-4	0.0															
Ext-5	0.0															
N-1	0.0															
N-2	2.0															
N-3	0.0															
N-4	0.0															
N-5	0.0															
N-6	0.0															
BS-1	0.1															

NA - Not Available

Measured in % Volume

APPENDIX 1

Summary of Analytical Results
Landfill Gas Sampled September 24, 2008
Volitile Organic Compounds Reported in Micrograms Per Cubic Meter

Parameter	BS-3	EPA BASE Outdoor minimum *	EPA BASE Outdoor maximum *
Benzene	8.0	ND(1.2)	13.0
Bromomethane	ND(2.0)	ND(0.6)	4.5
Carbon Tetrachloride	ND(3.2)	ND(0.6)	1.5
Chlorobenzene	14.0	ND(0.4)	1.1
Chloroethane	ND(1.4)	ND(0.6)	3.5
Chloroform	5.1	ND(0.2)	13.8
Chloromethane	ND(1.1)	0.9	10.6
1,2-Dibromoethane	ND(3.8)	ND(0.8)	ND(2.0)
1,2-Dichlorobenzene	ND(3.0)	ND(0.6)	1.1
1,3-Dichlorobenzene	ND(3.0)	ND(0.6)	ND(2.8)
1,4-Dichlorobenzene	5.1	ND(0.6)	6.1
Dichlorodifluoromethane	28.0	ND(4.4)	183.7
1,1-Dichloroethane	ND(2.1)	ND(0.4)	ND(0.8)
1,2-Dichloroethane	ND(2.0)	ND(0.4)	0.8
1,1-Dichloroethylene	ND(2.0)	ND(0.8)	ND(1.6)
cis-1,2-Dichloroethylene	ND(2.0)	ND(0.6)	1.1
1,2-Dichloropropane	ND(2.3)	ND(0.6)	ND(1.8)
cis-1,3-Dichloropropene	ND(2.3)	ND(1.4)	ND(2.6)
trans-1,3-Dichloropropene	ND(2.3)	ND(0.6)	ND(1.4)
1,2-Dichlorotetrafluoroethane (114)	100.0	ND(1.6)	ND(7.8)
Ethylbenzene	ND(2.2)	ND(0.8)	7.8
Hexachlorobutadiene	ND(5.4)	ND(1.4)	ND(7.8)
Methylene Chloride	7.7	ND(1.0)	78.5
Styrene	ND(2.2)	ND(0.6)	58.0
1,1,2,2-Tetrachloroethane	ND(3.4)	NA	NA
Tetrachloroethylene	13.0	ND(0.8)	27.6
Toluene	ND(1.9)	2.1	93.1
1,2,4-Trichlorobenzene	ND(3.7)	ND(0.6)	ND(7.8)
1,1,1-Trichloroethane	ND(2.7)	ND(0.4)	8.7
1,1,2-Trichloroethane	ND(2.7)	ND(0.6)	ND(1.8)
Trichloroethylene	ND(2.7)	ND(0.6)	13.5
Trichlorofluoromethane	9.3	ND(2.0)	132.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(3.8)	ND(1.2)	5.4
1,2,4-Trimethylbenzene	ND(2.5)	ND(0.4)	24.2
1,3,5-Trimethylbenzene	ND(2.5)	ND(0.8)	8.9
Vinyl Chloride	3.0	ND(0.6)	ND(2.6)
m/p-Xylene	ND(4.4)	ND(1.4)	26.8
o-Xylene	ND(2.2)	ND(0.6)	11.1

Note:

ND( ) = Not detected at the method detection limit

* Background levels per United States Environmental Protection Agency Building Assessments and Survey Evaluation Database (BASE 2001)

APPENDIX 2

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/3/2008

R&C FORMATION
705 BEDFORD AVENUE, SUITE 2B
BELLMORE, NY 11710
ATTN: BOB CASSON

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-20057
JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: EAST NORTHPORT

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (If any) Cert. Nos.
BS-3	08B39177	AIR	Not Specified	to-14 ppbv	
BS-3	08B39177	AIR	Not Specified	to-14 ug/m3	

Comments :

LIMS BATCH NO. : LIMT-20057

In method TO-14, any reported result for trichlorofluoromethane is estimated and likely to be biased on the high side based on continuing calibration bias.

In method TO-14, any reported result for trichlorofluoromethane or dichlordifluoromethane is likely to be biased on the high side based on laboratory fortified blank recovery bias.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 10/3/08

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Douglas Sheeley
Laboratory Manager

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BOB CASSON
R&C FORMATION
705 BEDFORD AVENUE, SUITE 2B
BELLMORE, NY 11710

10/3/2008

Purchase Order No.:

Project Location: EAST NORTHPORT
Date Received: 9/25/2008

LIMS-BAT #: LIMT-20057
Job Number: -

Field Sample # : BS-3

Sample ID : 08B39177

‡Sampled : 9/24/2008
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-14 ppbv				EPA TO-14A		
Benzene	PPBv	2.5	0.50		10/01/08	WSD
Bromomethane	PPBv	ND	0.50		10/01/08	WSD
Carbon Tetrachloride	PPBv	ND	0.50		10/01/08	WSD
Chlorobenzene	PPBv	3.1	0.50		10/01/08	WSD
Chloroethane	PPBv	ND	0.50		10/01/08	WSD
Chloroform	PPBv	1.1	0.50		10/01/08	WSD
Chloromethane	PPBv	ND	0.50		10/01/08	WSD
1,2-Dibromoethane	PPBv	ND	0.50		10/01/08	WSD
1,2-Dichlorobenzene	PPBv	ND	0.50		10/01/08	WSD
1,3-Dichlorobenzene	PPBv	ND	0.50		10/01/08	WSD
1,4-Dichlorobenzene	PPBv	0.85	0.50		10/01/08	WSD
Dichlorodifluoromethane	PPBv	5.7	0.50		10/01/08	WSD
1,1-Dichloroethane	PPBv	ND	0.50		10/01/08	WSD
1,2-Dichloroethane	PPBv	ND	0.50		10/01/08	WSD
1,1-Dichloroethylene	PPBv	ND	0.50		10/01/08	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.50		10/01/08	WSD
1,2-Dichloropropane	PPBv	ND	0.50		10/01/08	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.50		10/01/08	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.50		10/01/08	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	15	0.50		10/01/08	WSD
Ethylbenzene	PPBv	ND	0.50		10/01/08	WSD
Hexachlorobutadiene	PPBv	ND	0.50		10/01/08	WSD
Methylene Chloride	PPBv	2.2	0.50		10/01/08	WSD
Styrene	PPBv	ND	0.50		10/01/08	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		10/01/08	WSD
Tetrachloroethylene	PPBv	1.9	0.50		10/01/08	WSD
Toluene	PPBv	ND	0.50		10/01/08	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.50		10/01/08	WSD
1,1,1-Trichloroethane	PPBv	ND	0.50		10/01/08	WSD
1,1,2-Trichloroethane	PPBv	ND	0.50		10/01/08	WSD
Trichloroethylene	PPBv	ND	0.50		10/01/08	WSD
Trichlorofluoromethane (Freon 11)	PPBv	1.7	0.50		10/01/08	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		10/01/08	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.50		10/01/08	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.50		10/01/08	WSD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BOB CASSON
R&C FORMATION
705 BEDFORD AVENUE, SUITE 2B
BELLMORE, NY 11710

Purchase Order No.:

Project Location: EAST NORTHPORT
Date Received: 9/25/2008

LIMS-BAT #: LIMT-20057
Job Number: -

Field Sample # : BS-3

Sample ID : 08B39177

‡Sampled : 9/24/2008
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-14 ppbv				EPA TO-14A		
Vinyl Chloride	PPBv	1.2	0.50		10/01/08	WSD
m/p-Xylene	PPBv	ND	1.0		10/01/08	WSD
o-Xylene	PPBv	ND	0.50		10/01/08	WSD
to-14 ug/m				EPA TO-14A		
Benzene	ug/m3	8.0	1.6		10/01/08	WSD
Bromomethane	ug/m3	ND	2.0		10/01/08	WSD
Carbon Tetrachloride	ug/m3	ND	3.2		10/01/08	WSD
Chlorobenzene	ug/m3	14	2.3		10/01/08	WSD
Chloroethane	ug/m3	ND	1.4		10/01/08	WSD
Chloroform	ug/m3	5.1	2.5		10/01/08	WSD
Chloromethane	ug/m3	ND	1.1		10/01/08	WSD
1,2-Dibromoethane	ug/m3	ND	3.8		10/01/08	WSD
1,2-Dichlorobenzene	ug/m3	ND	3.0		10/01/08	WSD
1,3-Dichlorobenzene	ug/m3	ND	3.0		10/01/08	WSD
1,4-Dichlorobenzene	ug/m3	5.1	3.0		10/01/08	WSD
Dichlorodifluoromethane	ug/m3	28	2.5		10/01/08	WSD
1,1-Dichloroethane	ug/m3	ND	2.1		10/01/08	WSD
1,2-Dichloroethane	ug/m3	ND	2.0		10/01/08	WSD
1,1-Dichloroethylene	ug/m3	ND	2.0		10/01/08	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	2.0		10/01/08	WSD
1,2-Dichloropropane	ug/m3	ND	2.3		10/01/08	WSD
cis-1,3-Dichloropropene	ug/m3	ND	2.3		10/01/08	WSD
trans-1,3-Dichloropropene	ug/m3	ND	2.3		10/01/08	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	100	3.5		10/01/08	WSD
Ethylbenzene	ug/m3	ND	2.2		10/01/08	WSD
Hexachlorobutadiene	ug/m3	ND	5.4		10/01/08	WSD
Methylene Chloride	ug/m3	7.7	1.8		10/01/08	WSD
Styrene	ug/m3	ND	2.2		10/01/08	WSD
1,1,2,2-Tetrachloroethane	ug/m3	ND	3.4		10/01/08	WSD
Tetrachloroethylene	ug/m3	13	3.4		10/01/08	WSD
Toluene	ug/m3	ND	1.9		10/01/08	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	3.7		10/01/08	WSD
1,1,1-Trichloroethane	ug/m3	ND	2.7		10/01/08	WSD
1,1,2-Trichloroethane	ug/m3	ND	2.7		10/01/08	WSD
Trichloroethylene	ug/m3	ND	2.7		10/01/08	WSD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BOB CASSON
R&C FORMATION
705 BEDFORD AVENUE, SUITE 2B
BELLMORE, NY 11710

10/3/2008

Purchase Order No.:

Project Location: EAST NORTHPORT
Date Received: 9/25/2008

LIMS-BAT #: LIMT-20057
Job Number: -

Field Sample # : BS-3

Sample ID : 08B39177

‡Sampled : 9/24/2008
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-14 ug/m				EPA TO-14A		
Trichlorofluoromethane	ug/m3	9.3	2.8		10/01/08	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	3.8		10/01/08	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	2.5		10/01/08	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	2.5		10/01/08	WSD
Vinyl Chloride	ug/m3	3.0	1.3		10/01/08	WSD
m/p-Xylene	ug/m3	ND	4.4		10/01/08	WSD
o-Xylene	ug/m3	ND	2.2		10/01/08	WSD

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BOB CASSON
R&C FORMATION
705 BEDFORD AVENUE, SUITE 2B
BELLMORE, NY 11710

10/3/2008

Purchase Order No.:

Project Location: EAST NORTHPORT
Date Received: 9/25/2008

LIMS-BAT #: LIMT-20057
Job Number: -

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/3/2008 Lims Bat # : LIMT-20057

QC Batch Number: BATCH-15218

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B39177					
	Benzene	Sample Amount	8.01	ug/m3	
		Duplicate Value	8.04	ug/m3	
		Duplicate RPD	0.39	%	
	Chloroform	Sample Amount	5.12	ug/m3	
		Duplicate Value	5.05	ug/m3	
		Duplicate RPD	1.33	%	
	1,4-Dichlorobenzene	Sample Amount	5.12	ug/m3	
		Duplicate Value	5.11	ug/m3	
		Duplicate RPD	0.23	%	
	Tetrachloroethylene	Sample Amount	13.07	ug/m3	
		Duplicate Value	13.48	ug/m3	
		Duplicate RPD	3.11	%	
	Trichlorofluoromethane	Sample Amount	9.29	ug/m3	
		Duplicate Value	9.04	ug/m3	
		Duplicate RPD	2.75	%	
	Vinyl Chloride	Sample Amount	2.95	ug/m3	
		Duplicate Value	2.71	ug/m3	
		Duplicate RPD	8.48	%	
	Methylene Chloride	Sample Amount	7.74	ug/m3	
		Duplicate Value	7.66	ug/m3	
		Duplicate RPD	1.12	%	
	Chlorobenzene	Sample Amount	14.27	ug/m3	
		Duplicate Value	14.86	ug/m3	
		Duplicate RPD	4.04	%	
	Dichlorodifluoromethane	Sample Amount	28.05	ug/m3	
		Duplicate Value	27.25	ug/m3	
		Duplicate RPD	2.87	%	
	4-Bromofluorobenzene	Surrogate Recovery	112.75	%	70-130
	1,2-Dichlorotetrafluoroethane (114)	Sample Amount	101.44	ug/m3	
		Duplicate Value	96.60	ug/m3	
		Duplicate RPD	4.88	%	
BLANK-124512					
	Benzene	Blank	<1.6	ug/m3	
	Carbon Tetrachloride	Blank	<3.2	ug/m3	
	Chloroform	Blank	<2.5	ug/m3	
	1,2-Dichloroethane	Blank	<2.0	ug/m3	
	1,4-Dichlorobenzene	Blank	<3.0	ug/m3	
	Ethylbenzene	Blank	<2.2	ug/m3	
	Styrene	Blank	<2.2	ug/m3	
	Tetrachloroethylene	Blank	<3.4	ug/m3	
	Toluene	Blank	<1.9	ug/m3	
	1,1,1-Trichloroethane	Blank	<2.7	ug/m3	
	Trichloroethylene	Blank	<2.7	ug/m3	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/3/2008 Lims Bat # : LIMT-20057

QC Batch Number: BATCH-15218

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124512					
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<3.8	ug/m3	
	Trichlorofluoromethane	Blank	<2.8	ug/m3	
	o-Xylene	Blank	<2.2	ug/m3	
	m/p-Xylene	Blank	<4.4	ug/m3	
	1,2-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,3-Dichlorobenzene	Blank	<3.0	ug/m3	
	1,1-Dichloroethane	Blank	<2.1	ug/m3	
	1,1-Dichloroethylene	Blank	<2.0	ug/m3	
	Vinyl Chloride	Blank	<1.3	ug/m3	
	Methylene Chloride	Blank	<1.8	ug/m3	
	Chlorobenzene	Blank	<2.3	ug/m3	
	Chloromethane	Blank	<1.1	ug/m3	
	Bromomethane	Blank	<2.0	ug/m3	
	Chloroethane	Blank	<1.4	ug/m3	
	cis-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	trans-1,3-Dichloropropene	Blank	<2.3	ug/m3	
	1,1,2-Trichloroethane	Blank	<2.7	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<3.4	ug/m3	
	Hexachlorobutadiene	Blank	<5.4	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<3.7	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<2.5	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<2.5	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<2.0	ug/m3	
	1,2-Dichloropropane	Blank	<2.3	ug/m3	
	Dichlorodifluoromethane	Blank	<2.5	ug/m3	
	1,2-Dibromoethane	Blank	<3.8	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<3.5	ug/m3	
LFBLANK-86279					
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	12.06	ug/m3	
		Lab Fort Blk. % Rec.	75.63	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	43.85	ug/m3	
		Lab Fort Blk. % Rec.	139.44	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	26.35	ug/m3	
		Lab Fort Blk. % Rec.	108.28	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	27.26	ug/m3	
		Lab Fort Blk. % Rec.	134.68	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.40	ug/m3	
		Lab Fort Blk. % Rec.	121.10	%	70-130

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/3/2008 Lims Bat # : LIMT-20057

QC Batch Number: BATCH-15218

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86279					
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	21.40	ug/m3	
		Lab Fort Blk. % Rec.	98.74	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	19.62	ug/m3	
		Lab Fort Blk. % Rec.	92.25	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	36.91	ug/m3	
		Lab Fort Blk. % Rec.	108.88	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	16.44	ug/m3	
		Lab Fort Blk. % Rec.	87.40	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	34.85	ug/m3	
		Lab Fort Blk. % Rec.	127.78	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	28.59	ug/m3	
		Lab Fort Blk. % Rec.	106.40	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	48.78	ug/m3	
		Lab Fort Blk. % Rec.	127.32	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	43.50	ug/m3	
		Lab Fort Blk. % Rec.	154.84	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	23.41	ug/m3	
		Lab Fort Blk. % Rec.	107.80	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	44.67	ug/m3	
		Lab Fort Blk. % Rec.	102.86	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.93	ug/m3	
		Lab Fort Blk. % Rec.	122.86	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.63	ug/m3	
		Lab Fort Blk. % Rec.	121.86	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.81	ug/m3	
		Lab Fort Blk. % Rec.	92.92	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	26.05	ug/m3	
		Lab Fort Blk. % Rec.	131.34	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/3/2008 Lims Bat # : LIMT-20057

QC Batch Number: BATCH-15218

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86279					
	Vinyl Chloride	Lab Fort Blk. Found	12.52	ug/m3	
		Lab Fort Blk. % Rec.	97.96	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	21.06	ug/m3	
		Lab Fort Blk. % Rec.	121.32	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	21.84	ug/m3	
		Lab Fort Blk. % Rec.	94.86	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.50	ug/m3	
		Lab Fort Blk. % Rec.	101.72	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	20.94	ug/m3	
		Lab Fort Blk. % Rec.	107.92	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	13.63	ug/m3	
		Lab Fort Blk. % Rec.	103.37	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	21.07	ug/m3	
		Lab Fort Blk. % Rec.	92.86	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.25	ug/m3	
		Lab Fort Blk. % Rec.	106.86	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.12	ug/m3	
		Lab Fort Blk. % Rec.	88.41	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	31.92	ug/m3	
		Lab Fort Blk. % Rec.	92.98	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	89.08	ug/m3	
		Lab Fort Blk. % Rec.	167.04	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	60.13	ug/m3	
		Lab Fort Blk. % Rec.	162.06	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.49	ug/m3	
		Lab Fort Blk. % Rec.	115.92	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.47	ug/m3	
		Lab Fort Blk. % Rec.	115.86	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.96	ug/m3	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/3/2008 Lims Bat # : LIMT-20057

QC Batch Number: BATCH-15218

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86279					
	cis-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	100.70	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	17.42	ug/m3	
		Lab Fort Blk. % Rec.	75.39	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	33.17	ug/m3	
		Lab Fort Blk. % Rec.	134.18	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	38.06	ug/m3	
		Lab Fort Blk. % Rec.	99.06	%	70-130
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	40.92	ug/m3	
		Lab Fort Blk. % Rec.	117.08	%	70-130

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : 1,1-Dichloroethylene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : 1,2-Dichloroethane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : Carbon Tetrachloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : Dichlorodifluoromethane

LABORATORY FORTIFIED BLANK RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED VALUE FOR THIS COMPOUND IS LIKELY TO BE BIASED ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15218
Sample ID : LFBLANK-86279
Analysis : Trichlorofluoromethane

LABORATORY FORTIFIED BLANK RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED VALUE FOR THIS COMPOUND IS LIKELY TO BE BIASED ON THE HIGH SIDE.

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

LAM - 20057

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: R+C FORMATION LTD
Address: 205 BEDFORD AVE, SUITE 4B
BELLMORE, NY 11710
Attention: BOB CARLSON
Project Location: EAST NORTHPORT
Sampled By: PAUL HOFFREN / AJ SCHAFF

Telephone: (516) 797-2330
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER___

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

ANALYSIS REQUESTED

TO 14B (39 Compounds)

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS: Total Minutes Sampled	Flow Rate M³/Min. or L/Min.	Volume Liters or M³	Matrix Code*	" Hg Initial pressure	" Hg Final pressure	Lab Receipt pressure	Summa Canister ID	Flow Controller ID
	BS-3		0883917 7	9/24/08 1215	9/24/08 1215	1			O				1345	

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 9/25/08 1245
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: _____
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☐ Y ☐ N
(Surchage Applies)
Required Detection Limits: _____
Other: _____

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

Tracking

Track Shipments
Track by Reference
Track by E-mail
Signature Tracking
Import Tracking Numbers
Wireless Tracking
Track with Quantum View
Access Flex Global View
Integrate Tracking Tools
Void a Shipment

Search Support

Enter a keyword:

Track Shipments

Track Packages & Freight | Quantum View | Flex Global View

Tracking Summary

Printer Friendl

Tracking Number:	1Z RR0 288 03 7178 881 2
	View package progress
Type:	Package
Status:	Delivered
Delivered On:	09/25/2008 12:45 P.M.
Delivered To:	EAST LONGMEADOW, MA, US
Signed By:	MURPHY
Service:	GROUND

Tracking results provided by UPS: 09/26/2008 8:02 A.M. ET

Printer Friendly

NOTICE: UPS authorizes you to use UPS tracking systems solely to track shipme tendered by or for you to UPS for delivery and for no other purpose. Any other us tracking systems and information is strictly prohibited.

www.contestlabs.com

con-test ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: R&C Formation RECEIVED BY: KM DATE: 9/25/18

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☐ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank _____ Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: Air

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	1
Flashpoint bottle		Regulators	
Encore		Other	
		Filter	1

Laboratory Comments:

mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

All samples have the proper pH: Yes No N/A

APPENDIX 3

Landfill Gas Control Well Vacuum Data
East Northport Landfill, East Northport, New York
for period of record between January, 2006 and September, 2008

Well	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07
CWI-4	-2.9	-2.6	-2.6	-3.0	-2.6	-0.1	-3.3	-5.2	-1.2	-2.8	-3.9	-4.2	-3.0	-3.6	-3.0	-3.0	-2.8	-2.8	-2.6
CWI-5	-3.3	-3.1	-3.2	-2.6	-2.8	0.0	-2.8	-1.9	-3.4	-2.3	-4.4	-4.5	-3.4	-3.6	-3.2	-3.2	-2.9	-2.9	-2.7
CWI-6	-3.5	-3.1	-3.0	-3.0	-2.9	-0.3	-4.0	-6.4	-2.9	-2.9	-4.7	-4.3	-3.5	-3.7	-3.2	-3.2	-3.0	-2.9	-2.7
CWI-7	-3.0	-3.0	-2.8	-2.8	-2.8	-0.4	-2.8	-2.4	-3.1	-2.8	-4.5	-4.1	-3.3	NA	-3.0	-2.9	-2.8	-2.7	-2.5
CWII-1	-3.1	-3.0	-3.0	-2.9	-2.7	0.0	-3.2	-6.3	-2.9	-2.6	-4.3	-4.3	-3.4	-3.4	-2.7	-3.0	-2.7	-2.6	-2.5
CWII-2	-3.0	-2.9	-2.7	-2.8	-2.7	-0.5	-3.5	-5.9	-5.4	-2.6	-4.2	-3.9	-3.3	-3.4	-2.6	-2.8	-2.6	-2.5	-2.4
CWII-3	-3.0	-2.9	-2.9	-2.7	-2.5	0.0	-2.6	-6.8	-0.6	-2.7	-4.3	-4.1	-3.1	-3.4	-2.7	NA	NA	-2.6	-2.4
CWII-4	-2.8	-2.8	-2.4	-2.6	-2.7	-0.9	-3.2	-6.8	-2.7	-2.6	-5.0	-4.0	-3.1	-3.7	-2.7	-2.6	-2.5	-2.5	-2.3
CWII-5	-2.8	-2.5	-2.6	-2.7	-2.1	0.0	-2.3	-7.0	-2.6	-2.6	-0.3	-4.2	-3.2	-3.6	-2.6	-2.7	-2.5	-2.4	-2.3
CWII-6	-1.4	-1.4	-1.5	-1.6	-1.9	-0.1	-1.0	-0.2	-1.7	-1.4	-1.7	-2.3	-2.0	-0.2	-1.7	-1.6	-1.7	-1.7	-1.6
CWII-7	-1.2	-1.0	-1.1	-0.7	-1.4	-0.2	-0.8	-0.2	-1.3	-1.1	-1.5	-1.7	-1.7	-1.3	-1.4	-1.4	-1.2	-1.3	-1.1
CWII-8	0.0	0.0	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0
CWII-9	-0.9	-0.6	-0.7	-1.0	-0.8	-0.9	-0.6	-0.2	-0.9	-0.8	-0.9	-1.2	-1.4	-1.0	-1.0	-1.1	-0.9	-0.9	-0.8
NW-1	-2.8	-2.8	-2.8	-2.6	-2.2	-2.4	-3.2	-4.0	-3.7	-2.5	-3.2	-3.9	-2.9	-3.4	-3.0	-2.9	-2.8	-2.6	-2.1
NW-2	-3.3	-2.9	-2.7	-2.6	-2.9	-2.7	-3.4	-4.5	-3.4	-3.2	4.2	-4.5	-3.3	-3.7	-3.2	-3.2	-3.1	-3.9	-2.8
NW-3	-2.8	-2.9	-2.8	-2.7	-2.7	-2.8	-3.2	-4.0	-3.2	-2.8	-4.0	-4.0	-2.3	-3.4	-2.9	-3.0	-2.7	-2.6	-2.6
NW-4	-2.9	-3.0	-3.0	-3.0	-2.7	-2.6	-2.4	-3.6	-2.8	-2.6	-4.0	-3.6	-2.8	-3.3	-2.6	-2.9	-2.6	-2.4	-2.4
NW-5	-2.3	-2.9	-2.6	-2.6	-1.2	-2.5	-2.2	-2.6	-2.3	-2.1	-3.6	-2.9	-2.3	-3.0	-2.2	-2.6	-2.2	-1.9	-2.1
NW-6	-2.2	-3.0	-2.9	-3.0	-1.6	-2.1	-2.8	-2.8	-2.5	-2.8	-3.1	-3.0	-2.3	-2.6	-2.3	-1.6	-2.3	-2.1	-2.0
Ext-1	0.0	0.0	0.0	-0.2	-0.2	-0.3	0.0	-0.7	-0.1	-0.1	-3.6	-3.4	-2.7	-0.1	0.0	0.0	0.0	-1.7	-0.1
Ext-2	-0.6	-0.8	-0.9	-0.8	-0.8	-0.6	-0.1	-3.0	-0.9	-0.7	-3.4	NA	-2.1	-1.1	-0.8	-0.9	-0.9	-2.1	-0.9
Ext-3	-2.1	-2.8	-2.7	-2.6	-2.2	-1.9	-0.5	-3.3	-2.3	-2.1	-3.3	-3.2	-2.3	-2.9	-2.2	-2.5	-2.3	-2.3	-2.1
Ext-4	-2.0	-1.9	-1.8	-1.6	-2.1	-2.0	-0.6	-2.0	-2.0	-2.1	-3.2	-3.5	-2.0	-2.7	-2.2	-2.3	-2.1	-0.9	-2.0
Ext-5	-0.8	-1.6	-1.4	-1.6	-1.7	-1.5	-0.2	-0.1	-1.6	-1.6	-2.4	-2.6	-2.0	-2.3	-2.0	-2.1	-1.9	-0.1	-1.7
N-1	-0.3	-0.2	-0.4	-0.4	-0.6	0.0	-1.0	-2.8	-1.5	-0.2	-0.2	-0.2	0.0	0.1	0.0	-0.2	-0.1	0.0	-0.1
N-2	-0.4	-0.4	-0.8	-0.7	NA	0.0	-0.1	-0.9	-0.3	-0.6	-0.5	-0.4	-0.3	-0.4	-0.4	-0.6	-0.3	-0.3	-0.5
N-3	-0.1	-0.1	0.0	-0.2	-0.1	-0.1	0.0	-0.3	-0.1	-0.1	-0.1	-0.2	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
N-4	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.2	-0.1	-0.2	-0.1	-0.1	0.0	-0.2	-0.8	-0.1	-0.1	0.0	-0.1
N-5	-0.1	-0.1	0.0	-1.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.2	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1
N-6	NA	-0.8	-0.1	-0.2	NA	0.0	-1.1	-0.2	-0.9	-1.0	NA	NA	NA	NA	NA	-1.1	-0.8	-0.9	-0.9
BS-1	-4.9	-4.2	-5.1	-4.6	-4.6	-3.1	-8.5	-10.1	-6.1	-5.1	-7.3	-7.2	4.0	-5.6	-5.0	-5.1	-4.8	-7.3	-4.3

Measured in inches of H20

NA - Not Available

Landfill Gas Control Well Vacuum Data
East Northport Landfill, East Northport, New York
for period of record between January, 2006 and September, 2008

Well	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08					
CWI-4	-2.6	-2.5	-2.5	-3.1	-3.0	-2.9	-3.7	-3.7	-1.8	-3.4	-1.8	-2.1	-1.6	-1.9					
CWI-5	-2.7	-2.8	-2.7	-3.0	-3.5	-3.1	-3.7	-3.5	-3.0	-2.9	-1.8	-2.3	-1.9	-2.1					
CWI-6	-2.6	-2.2	-2.4	-2.9	-3.4	-3.2	-3.3	-3.4	-3.1	-2.9	-1.9	-2.4	-1.8	-2.1					
CWI-7	-2.5	-2.5	-2.4	-2.5	-3.1	-3.0	-3.7	-3.3	-2.7	-2.3	-1.8	-2.4	-1.8	-2.0					
CWII-1	-2.3	-1.5	-2.4	-2.4	-3.0	-2.9	-4.1	-3.2	-2.6	-2.6	-1.7	-2.4	-1.7	-2.0					
CWII-2	-2.3	-2.3	-2.4	-2.5	-3.5	-2.9	-3.2	-3.6	-2.6	-2.5	-1.6	-2.4	-1.7	-2.0					
CWII-3	-2.3	-2.4	-2.3	-2.4	-2.9	-2.9	-3.7	-3.1	-3.1	-2.3	-1.7	-2.7	-1.6	-2.0					
CWII-4	-3.2	-2.1	-2.2	-2.3	-3.6	-2.9	-1.8	-3.5	-2.5	-2.1	-1.6	-2.4	-1.6	-1.9					
CWII-5	-2.2	-2.4	-2.2	-2.6	-3.5	-2.9	-3.0	-3.1	-2.8	-2.4	-1.6	-2.5	-1.6	-1.9					
CWII-6	-1.6	-1.5	-1.5	-1.3	-0.2	-2.0	-1.2	-2.2	-1.6	-1.7	-1.2	0.0	-1.6	-1.6					
CWII-7	-1.2	-1.1	-1.2	-1.1	-0.3	-1.5	-1.2	-1.7	-1.2	-1.3	-0.9	0.0	-1.2	-1.1					
CWII-8	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0					
CWII-9	-0.2	-0.9	-0.9	-0.9	-0.6	-1.1	-0.2	-0.2	-0.9	-0.9	-0.6	0.0	-0.6	-0.8					
NW-1	-2.6	-2.4	-2.5	-2.5	-2.9	-2.8	-3.0	-3.1	-2.7	-2.8	-1.6	-1.9	-1.8	-1.9					
NW-2	-2.8	-1.7	-2.9	-3.1	-3.3	-3.1	-3.4	-3.8	-2.9	-3.2	-2.1	-2.4	-1.7	-2.0					
NW-3	-2.5	-2.0	-2.4	-2.5	-2.8	-2.7	-4.3	-3.1	-2.7	-2.1	-1.8	-2.1	-1.3	-1.8					
NW-4	-2.2	-2.2	-2.3	-2.2	-2.6	-2.4	-3.4	-2.8	-3.1	-2.9	-1.6	-1.9	-1.5	-1.7					
NW-5	-1.8	-1.8	-1.9	-2.0	-2.1	-2.1	-2.5	-2.2	-2.2	-0.9	-1.4	-1.6	-1.2	-1.5					
NW-6	-1.8	-1.8	-1.9	-2.2	-2.2	-2.1	-2.4	-2.4	-2.1	-2.1	-1.3	-1.6	-1.2	-1.4					
Ext-1	-0.1	0.0	0.0	-0.1	-0.1	-2.1	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-1.1	0.0					
Ext-2	-0.7	-0.8	-0.7	-0.7	-0.9	-0.9	-1.0	-1.0	-0.9	-2.2	-0.9	-0.7	-1.0	-0.5					
Ext-3	-2.1	-2.0	-1.9	-1.9	-2.3	-2.2	-2.6	-2.7	-2.2	-2.2	-1.6	-1.7	-0.6	-1.4					
Ext-4	-1.9	-1.9	-2.2	-1.9	-2.2	-2.1	-2.4	-2.3	-1.9	-2.0	-1.4	-1.1	-1.7	-1.5					
Ext-5	-1.6	-1.5	-1.7	-1.5	-1.9	-1.8	-2.0	-2.1	-1.8	-1.8	-1.1	-0.4	-0.9	-1.2					
N-1	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1	-0.3	-0.2	-0.2	-0.1	-0.3	-0.2	-0.2	-0.2					
N-2	-0.6	-0.5	-0.7	-0.6	-0.6	-0.6	NA	-0.4	-0.6	-0.7	-0.5	-0.5	-0.6	-0.5					
N-3	-0.2	-0.1	-0.2	0.0	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1	-0.1					
N-4	-0.1	-0.1	-0.1	0.0	-0.2	-0.1	-0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1					
N-5	-0.1	-0.1	-0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.2	-0.1					
N-6	-0.9	-0.8	-0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.8					
BS-1	-5.6	0.3	-4.4	-4.7	-5.1	-4.5	-5.0	-5.2	-4.2	-4.8	-2.8	-3.2	0.1	-3.0					

Measured in inches of H20

NA - Not Available