

7515 WARREN RD

11519102

5/21/08

marliwr

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

NCDENR

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
MOORESVILLE REGIONAL OFFICE

DIVISION OF WATER QUALITY
GROUNDWATER SECTION
June 15, 1999

CC Air
Post Office Box 19929
Charlotte, North Carolina 28208
Attention: Mr. Sam Bowlin

RE: Health Risk Assessement
CC Air - Warren Road Hanger Water
Supply Well Pre-Filter Sample
Mecklenburg County, North Carolina

Dear Mr. Bowlin:

Attached please find a copy of the Health Risk Assessment performed by Dr. Ken Rudo for water samples collected from the referenced well. The water sample was collected prior to being treated by the onsite filter system.

Should you have questions, please do not hesitate to call Dr. Rudo at (919) 715-6430 or me at (704) 663-1699, ext. 239.

Sincerely,

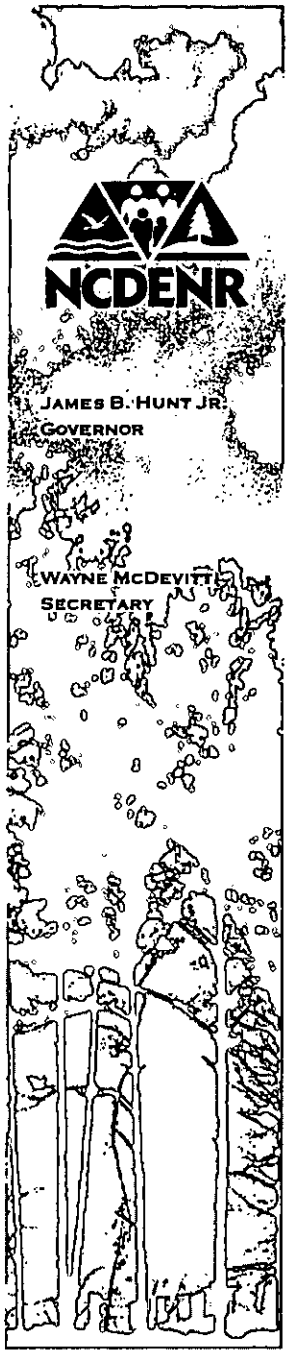
Shawna W. Caldwell

Shawna W. Caldwell, P.G.
Hydrogeologist

Enclosure

cc: MCDEP
Mecklenburg County Health Department

919 NORTH MAIN STREET, MOORESVILLE, NORTH CAROLINA 28115
PHONE 704-663-1699 FAX 704-663-6040
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
MOORESVILLE REGIONAL OFFICE

DIVISION OF WATER QUALITY

September 28, 1998

Mecklenburg County Health Department
700 North Tryon Street
Suite 211
Charlotte, North Carolina 28202
Attention: Judy Kiser, R.S.

RE: Septic Tank System
City of Charlotte/CC Air Hangar
Warren Road
Mecklenburg County, N.C.

Dear Ms. Kiser:

On September 23, 1998, I received the analytical results of a sample collected from a septic tank at the above-referenced location. The results indicate that no volatile organic compounds exceeding North Carolina Groundwater Standards were present in the septic tank at the time of sampling. The Groundwater Section does not require additional sampling of the septic tank at this time.

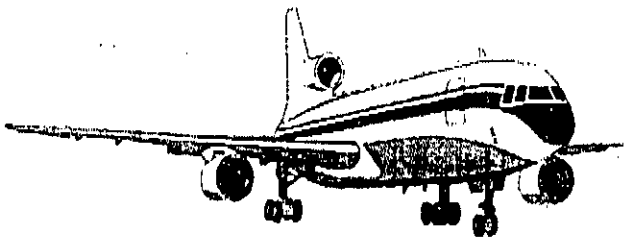
If you have any questions, please call me at (704) 663-1699, ext. 241.

Sincerely,

Matt Heller, P.G.
Hydrogeologist

cc: Lewis Haglar - City of Charlotte Aviation Dept., P.O. Box 19066, Charlotte, NC 28219

919 NORTH MAIN STREET, MOORESVILLE, NORTH CAROLINA 28115
PHONE 704-663-1699 FAX 704-663-6040
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER



Charlotte/Douglas International Airport
5501 Josh Birmingham Parkway
P. O. Box 19066
Charlotte, NC 28219
Phone: (704) 359-4000 Facsimile: (704) 359-4030

FAX COVER SHEET

TO: ***Larry Thompson, Environmental Health Specialist***

FROM: ***Lewis R. Hagler, Airport Environmental Specialist***

DATE: ***September 25, 1998***

COMMENTS: *Included is a copy of the Holman and Moody Aircraft Hangar Septic Tank Sampling Results. A hard copy of the results was mailed to Judy Kiser and Landon Davidson Tuesday this week. If you have any question please feel free to call me at 359-4000.*

Number of Pages Including Cover Sheet: _____

If all pages not received, please call ___Lewis___ *at 359-4000*

CHARLOTTE.

September 22, 1998

Mr. G. Landon Davidson
919 North Main St.
Mooresville, NC 28115

RE: Sampling Results for the on site Septic Tank
City of Charlotte Police Storage and CC Air Maintenance Hangar
Warren Road Site
Groundwater Incident Number: 17656

Dear Mr. Davidson:

Please find attached the sampling results for the septic tank located at the site. The samples were collected and submitted on September 3, 1998 to Prism Laboratories Inc. The results indicate no TCE contamination in the septic tank as analyzed in accordance with EPA method 601.

The results did indicate Toluene at 210-ppb, Methlylene Chloride at 12-ppb, BIS (2-Ethylhexyl) Phthalate at 27-ppb, and Phenol at 21-ppb as analyzed in accordance with EPA methods 624 and 625.

If you have any questions please feel free to contact Lewis Hagler at 359-4000.

Sincerely,

T. J. Orr
Aviation Director

TJO: LRH

Attachment

Cc: Judy Kiser, MCDEP
Al Beaman, CC Air Director of Maintenance
Sam Bolin, CC Air Safety Manager

Charlotte/Douglas International Airport
P. O. Box 19066 Charlotte, NC 28219 704/359-4000

Lab Report

Full Service Analytical & Environmental Solutions

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05288
Login Group #: 786DD
Phone Number: (704)359-4910
Sample collection date: 09/03/98
Lab submittal date: 09/08/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-001
Time: 10:00
Time: 11:05
Validated by: ADC

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601
Result: see below
Date started: 09/09/98
Time started: 21:40

Units: ug/L
Date finished: 09/15/98
Analyst: JNV

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	5
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	1
CHLOROETHANE	Not detected	1
CHLOROFORM	Not detected	1
CHLOROMETHANE	Not detected	1
DIBROMOCHLOROMETHANE	Not detected	1
1,2-DICHLOROBENZENE	Not detected	1
1,3-DICHLOROBENZENE	Not detected	1
1,4-DICHLOROBENZENE	Not detected	1
DICHLORODIFLUOROMETHANE	Not detected	5
1,1-DICHLOROETHANE	Not detected	1
1,2-DICHLOROETHANE	Not detected	1
1,1-DICHLOROETHENE	Not detected	1
TRANS-1,2-DICHLOROETHENE	Not detected	1
1,2-DICHLOROPROPANE	Not detected	1
CIS-1,3-DICHLOROPROPENE	Not detected	1
TRANS 1,3-DICHLOROPROPENE	Not detected	1
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Mr. Lewis R. Hagler Sample I.D. AB05288 (continued)
Page: 2
September 17, 1998

Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
1,1,2,2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1,1,1-TRICHLOROETHANE	Not detected	1
1,1,2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	1

Sample comments:

Project Name: CC AL
PO# 9800002039

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05289
Login Group #: 7806D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-624
Time: 10:00
Time: 11:05
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 624
Method reference: EPA 624
Result: See below
Date started: 09/09/98
Time started: 10:28

Unit: ug/L
Date finished: 09/09/98
Analyst: MF

Data for VOLATILE ORGANICS BY 624 ug/L.

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
CARBON TETRACHLORIDE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLOROETHANE	Not detected	10
2-CHLOROETHYLVINYL ETHER	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
DIBROMOCHLOROMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
1,1 DICHLOROETHANE	Not detected	5
1,2 DICHLOROETHANE	Not detected	5
1,1 DICHLOROETHENE	Not detected	5
TRANS 1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
CIS 1,3-DICHLOROPROPENE	Not detected	5
TRANS-1,3-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Mr. Levis R. Hagler Sample I.D. A805289 (continued)
Page: 2
September 17, 1998

Data for VOLATILE ORGANICS BY G24 (continued):

Component Name	Result	Component MDL
METHYLENE CHLORIDE	12	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	210	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	10
ACROLEIN	Not detected	100
ACRYLONITRILE	Not detected	100

Sample comments:

Project Name: SC Air
PO# 9800002030

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

CASE NARRATIVE

Date : 09/10/98

Sample ID: AB05289

Client: CHARLOTTE DOUGLAS

Sample ID	Test Method	Comments
AB05289	624	Methylene chloride was detected in these samples. Method blank concentration : Methylene chloride : < 5 ug/L.

Steven H. Guptill
Organic Section Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05290
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-625
Time: 10:00
Time: 11:06
Validated by: ADO

Parameter: PREP. METHOD 625
Method reference: EPA 625
Result: Completed
Date started: 09/07/98
Time started: 13:30

Unit:
MDL or sensitivity:
Date finished: 09/07/98
Analyst: SMV

Parameter: SEMI-VOLATILE ORGANICS BY 625
Method reference: EPA 625
Result: see below
Date started: 09/10/98
Time started: 02:43

Unit: ug/L

Date finished: 09/16/98
Analyst: HWC

Data for SEMI-VOLATILE ORGANICS BY 625 ug/L:

Component Name	Result	Component MDL
ACENAPHTHENE	Not detected	10
ACENAPHTHYLENE	Not detected	10
ANTHRACENE	Not detected	10
BENZO(A)ANTHRACENE	Not detected	10
BENZO(B)FLUORANTHENE	Not detected	10
BENZO(K)FLUORANTHENE	Not detected	10
BENZO(A)PYRENE	Not detected	10
BENZO(GHI)PERYLENE	Not detected	10
BIS(2-CHLOROETHOXY)METHANE	Not detected	10
BIS(2-CHLOROETHYL)ETHER	Not detected	10
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	10
BIS(2-ETHYLHEXYL)PHTHALATE	27	10
4-BROMOPHENYL PHENYL ETHER	Not detected	10
BUTYL BENZYL PHTHALATE	Not detected	10
4-CHLORO 3-METHYLPHENOL	Not detected	10
2-CHLORONAPHTHALENE	Not detected	10

Lab Report

Mr. Lewis R. Hagler Sample I.D. AB05290 (continued)
Page: 2
September 17, 1998

Full Service Analytical & Environmental Solutions

Data for SEMI-VOLATILE ORGANICS BY 625 (continued):

Component Name	Result	Component MDL
2-CHLOROPHENOL	Not detected	10
4-CHLOROPHENYL PHENYL ETHER	Not detected	10
CHRYSENE	Not detected	10
DIBENZO(A,H)ANTHRACENE	Not detected	10
DI-N-BUTYLPHTHALATE	Not detected	10
1,2-DICHLOROBENZENE	Not detected	10
1,3-DICHLOROBENZENE	Not detected	10
1,4-DICHLOROBENZENE	Not detected	10
2,4-DICHLOROPHENOL	Not detected	10
DIETHYL PHTHALATE	Not detected	10
2,4-DIMETHYLPHENOL	Not detected	10
DIMETHYL PHTHALATE	Not detected	10
2,4-DINITROPHENOL	Not detected	50
2,4-DINITROTOLUENE	Not detected	10
2,6-DINITROTOLUENE	Not detected	10
DI-N-OCTYLPHTHALATE	Not detected	10
FLUORANTHENE	Not detected	10
FLUORENE	Not detected	10
HEXACHLOROBENZENE	Not detected	10
HEXACHLOROBUTADIENE	Not detected	10
HEXACHLOROCYCLOPENTADIENE	Not detected	10
HEXACHLOROETHANE	Not detected	10
INDENO(1,2,3-CD)PYRENE	Not detected	10
ISOPHORONE	Not detected	10
2-METHYL-4,6-DINITROPHENOL	Not detected	50
NAPHTHALENE	Not detected	10
NITROBENZENE	Not detected	10
2-NITROPHENOL	Not detected	10
4-NITROPHENOL	Not detected	50
N-NITROSODIPHENYLAMINE	Not detected	10
N-NITROSODI-N-PROPYLAMINE	Not detected	10
PENTACHLOROPHENOL	Not detected	50
PHENANTHRENE	Not detected	10
PHENOL	21	10
PYRENE	Not detected	10
1,2,4-TRICHLOROBENZENE	Not detected	10
2,4,6-TRICHLOROPHENOL	Not detected	10
BENZIDINE	Not detected	100
1,2-DIPHENYLHYDRAZINE	Not detected	100

Sample comments:

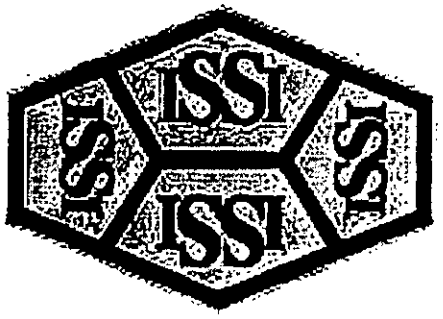
Project Name: CC Air
PO# 9800002033

Lab Report

Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director



Imaging Solutions and Services, Inc

The following is a

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ISSI Operations Center Staff

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 25.1°C		✓	
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client [illegible]
Physical Address PO Box [illegible]
[illegible]
Phone [illegible] Fax [illegible]
P.O.#/Billing Reference
Project Name [illegible]

REPORT TO: Name Lewis Hagler
Address
BILL TO: Name [illegible]
Address
Requested Due Date 7/9/98

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification Requested NC X SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA X
Sample Iced Upon Collection Yes X No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 601	624	625	REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
T-601	7/8/98	1600	WATER	VOA	3	40	HCL	X					05288
T-624				VOA	3	40	HCL		X				05289
T-625				A	1	1Gal	—			X			05290

Sampler's Signature [signature] Sampled By (Print Name) Lewis P Hagler Affiliation City of Charlotte

Additional Comments:

Relinquished By (Signature)	Received By (Signature)	Date	Military Hours
[signature]		7/8/98	1106
Relinquished By (Signature)	Received By (Signature)	Date	
Relinquished By (Signature)	Received For Prism Laboratories By: [signature]	7/8/98	1106
Method of Shipment:		Log-In Group No.	198603

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC X SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT COI

SEP-25-98 FRI 9:26 P.11
09-25-98 11:04AM P11

Project # 6779764990

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

40 PD 50 CRT 7/30 1st SC CRT

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102 3559

Date:

PERSON FILING APPLICATION:
NAME: A-Plus Construction Co Inc. (last) (first) (mi)
ADDRESS: 5707 Orr Rd PHONE: (__) 597-1100
CITY: Charlotte STATE: NC ZIPCODE: 28213

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: 115-19102
STREET ADDRESS: 7518 Warren Rd
ZONING:

PROPERTY OWNER:
NAME: City of Charlotte, Airport Authority (last) CC Air (first) St (mi)
ADDRESS: 600 E Fourth PHONE: (__) _____
CITY: STATE: ZIPCODE: 28202

SUBDIVISION OR MOBILE HOME PARK NAME:

Township (check one):
[] 0 Mecklenburg County [] 2 Davidson [] 4 Pineville [] 6 Huntersville
[X] 1 Charlotte [] 3 Cornelius [] 5 Matthews [] 7 Mint Hill

TYPE APPLICATION (check one):

LOT NUMBER: LOT SIZE (in acres):

[] EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
[] ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or M)
[] COMMERCIAL OR INDUSTRIAL (N)
[] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)

RESIDENTIAL PROPERTY (Type Building, check one):
[] SINGLE MOBILE HOME (S) [] HOUSE (H) [] MULTIPLE FAMILY (U)
[] DOUBLE WIDE (D) [] MODULAR HOME (M) [] OTHER _____ (O)

NUMBER BEDROOMS: NUMBER OCCUPANTS:
SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business PLANE MAINT # Employees 6 Per Shift ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) Y Type Gasoline Tanks

WATER SUPPLY (check one):
[] Community (C) [] Shared Well (S)
[] Municipal (M) [] Other 'spring' (O)
[X] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
[] Swimming Pool [] Jacuzzi [] Stable/Barn [] Workshop [] None
[] Garage [] Storage Building [] Deck/Patio [] Bedrooms [] Other

The undersigned, owner, or legal agent for the owner, of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: X Conrad O'Brady Date: X 7/30/98

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

...No work shall be conducted on the septic tank system until an installation, Construction, Alteration and/or Repair approval is granted by this Department.

...This permit is not transferable.

[] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[X] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

...- Release for use of existing system - No New Employees - Operation has expanded since original permit was issued - Conditional use based upon system working at this time. CT.

James B. Thompson Jr. 9-29-98
Environmentalist Date

8/7/98 Per Conversation w/ Lewis Hagler Airport Environmentalist This request should be put on hold until the issue of Sampling Septic tank is resolved JKiley

Judy

WATER : 1227

COPY

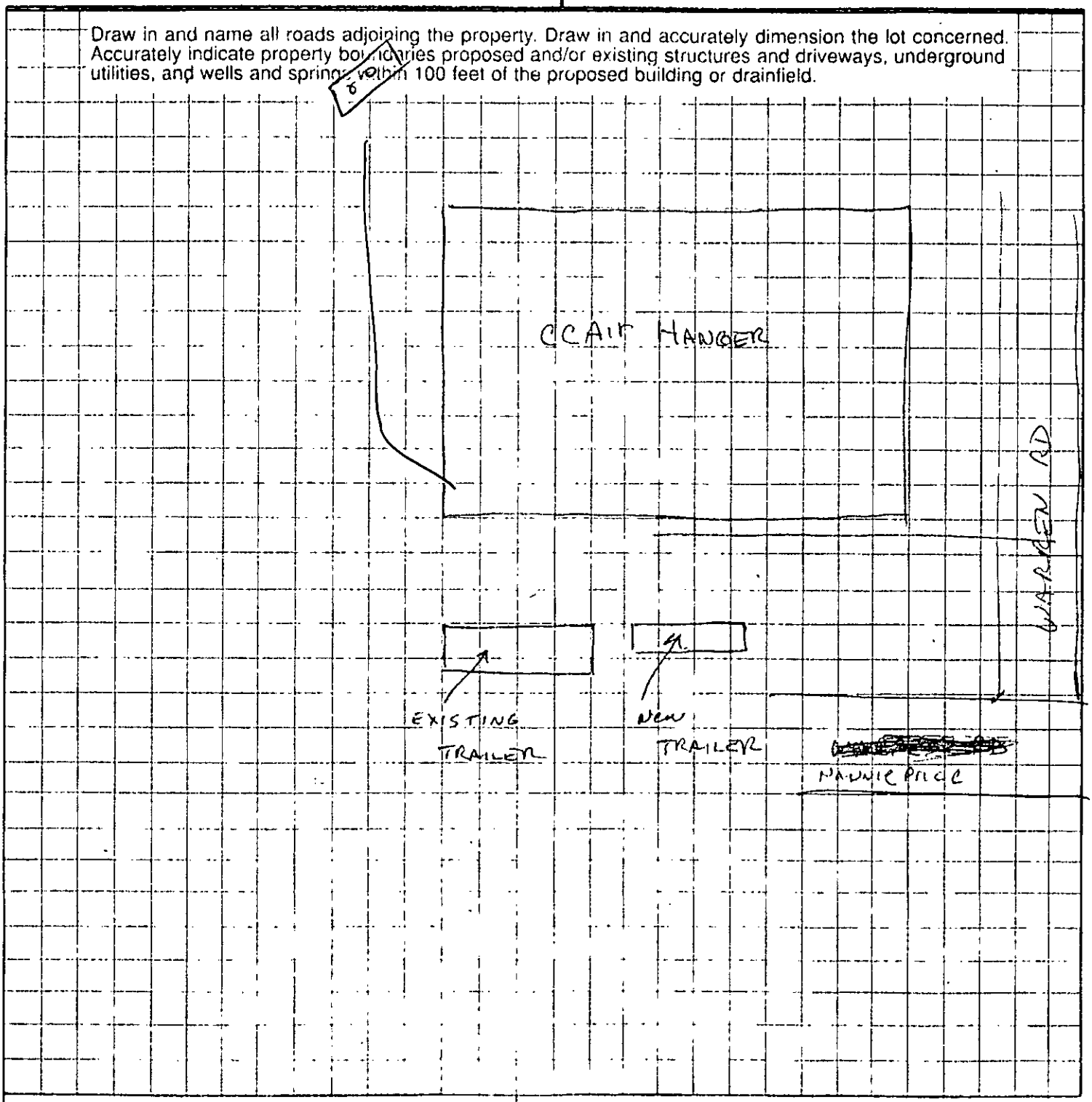
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 3559

TC: 115-191-02

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



Conrad Crockett
OWNER/AGENT SIGNATURE

DATE 6/30/98

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES

MOORESVILLE REGIONAL OFFICE

FROM: Name: Matt Heller

Division: WQ

Section: GW

919 North Main Street
Mooresville, NC 28115

Phone 704/663-1699 FAX 704/663-6040

FAX

DATE: 9/28/98

TO: Judy Kiser

336-6894

FAX NUMBER:

SUBJECT: Fax copy of letter - hard copy to follow

NUMBER OF PAGES (Including Cover): 2

Barry,
See attached - I believe it will be OK to release it but let's discuss in 9/29/98 AM
Judy

09-28-98 03:46PM P01

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
MOORESVILLE REGIONAL OFFICE

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

DIVISION OF WATER QUALITY

September 28, 1998

Mecklenburg County Health Department
700 North Tryon Street
Suite 211
Charlotte, North Carolina 28202
Attention: Judy Kiser, R.S.

RE: Septic Tank System
City of Charlotte/CC Air Hangar
Warren Road
Mecklenburg County, N.C.

Dear Ms. Kiser:

On September 23, 1998, I received the analytical results of a sample collected from a septic tank at the above-referenced location. The results indicate that no volatile organic compounds exceeding North Carolina Groundwater Standards were present in the septic tank at the time of sampling. The Groundwater Section does not require additional sampling of the septic tank at this time.

If you have any questions, please call me at (704) 663-1699, ext. 241.

Sincerely,

Matt Heller, P.G.
Hydrogeologist

cc: Lewis Haglar - City of Charlotte Aviation Dept., P.O. Box 19066, Charlotte, NC 28219

Date Issued 4 Aug 72 Serial No. 2372 C of A (s) No 3551

T. C No 115-191-C

Map Date

MECKLENBURG COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

CERTIFICATE OF APPROVAL

(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Name of Owner Holman & Moody Inc. (LAST / FIRST / MIDDLE)

Location of Property Nannie Price Rd

Application Number 3559 Permit Number 3559

Inspection Data:

Liquid Capacity of Tank 1000 gal Tank Material Precast Concrete

Total Length of Drain Tile 500 ± ft Number of Lines 5 (12½ x 100' x 17"s)

Depth of Filter Material 17" Cover Depth 30"

Water Supply Source well Distance from Water Source 100' ±

Excavation Inspected 4 Aug 72 (DATE) Tank Inspected 4 Aug 72 (DATE)

Nitrification Field Inspected 4 Aug 72 (DATE)

Washing Machine Line Inspected, If Applicable — (DATE)

The undersigned has inspected the Individual Septic Tank System with subsurface, soil absorption, effluent discharge as described above and it has been ✓ installed or constructed, _____ altered or repaired in accordance with the permit issued and the regulations of the Mecklenburg County Board of Health in effect on the date of issuance of the permit. The issuance of this Certificate of Approval does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This Certificate of Approval is issued subject to those restrictions and conditions shown on the permit(s) in addition to those listed below under comments. This Certificate of Approval shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Comments: Aeration Pit 2½' x 7' x 4' stone

Randolf M. Reynolds
Environmentalist

FORM NO. E-6-4-1-71

HEALTH DEPARTMENT'S COPY

SEE INSTRUCTIONS ON BACK

Date Received 4-10-72

ICAR(S) Application No 3557

T. C. No.

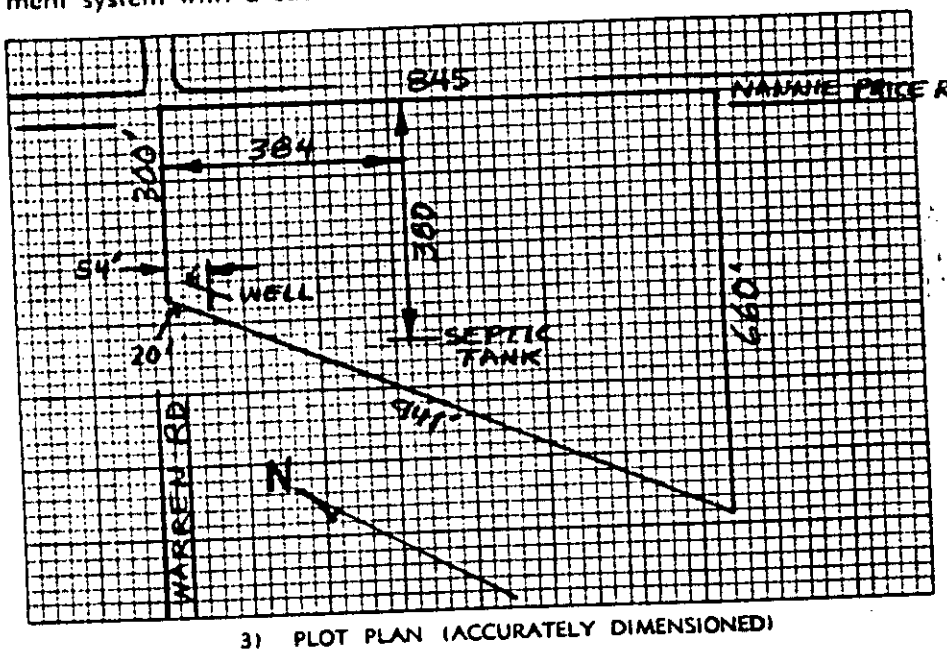
Map Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

Application for an
Installation, Construction, Alteration, and/or Repair Permit
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge

The owner of that property described hereinafter hereby applies to the Mecklenburg County Health Department for a permit to:

1) ✓ Install or Construct 2) _____ Alter or Repair an individual septic tank wastewater treatment system with a subsurface, soil absorption, effluent discharge.



3) PLOT PLAN (ACCURATELY DIMENSIONED)

4) No. of Bedrooms 0

5) Business Use — Max. No. Employees 10

6) Washing Machine — Yes ___ No ___

7) Garbage Disposal — Yes ___ No ✓

8) Dishwasher — Yes ___ No ✓

9) Water Supply:
- A) Individual Well ✓
- B) Governmental System ___
- C) Community System:
  - 1. Well source ___
  - 2. Governmental source ___

10) Sewage System:
House located within 200 feet of public sewer — Yes ___ No ___
House located within 200 feet of community sewer — Yes ___ No ✓

11) FHA Case No. ___

12) VA Case No. ___

13) NAME OF OWNER HOLMAN & MOODY, INC. (LAST / FIRST / MIDDLE)

14) ADDRESS OF OWNER P.O. Box 27065 Mun. Airport Station

15) PHONE NO. Home _____ Office 394-4141

16) LOCATION OF SYSTEM Corner of Nannie Price and Warren Road (STREET OR COUNTY ROAD)

17) SUBDIVISION _____ Lot No. _____ Block No. _____

Map Book No. _____ Page No. _____

18) DEED REFERENCE — DEED BOOK _____ AT PAGE _____

19) HAS A PERCOLATION TEST BEEN RUN? _____ YES _____ NO DATE RUN _____

20) PTR NUMBER (See Instructions) _____

The undersigned person hereby agrees that he has read the foregoing application and that the contents of same are true. It is understood that any permit applied for herein shall be void and of no effect if any of the above facts are not true.

4-10-72
DATE OF APPLICATION

Howard De Hart V P
OWNER

FORM NO E-4-4-1-71

HEALTH DEPARTMENT'S COPY

Date Issued 24 July 72 Serial No. 2620 ICAR(S) Permit No 3559

T. C No 115-191-C-2

Map Date

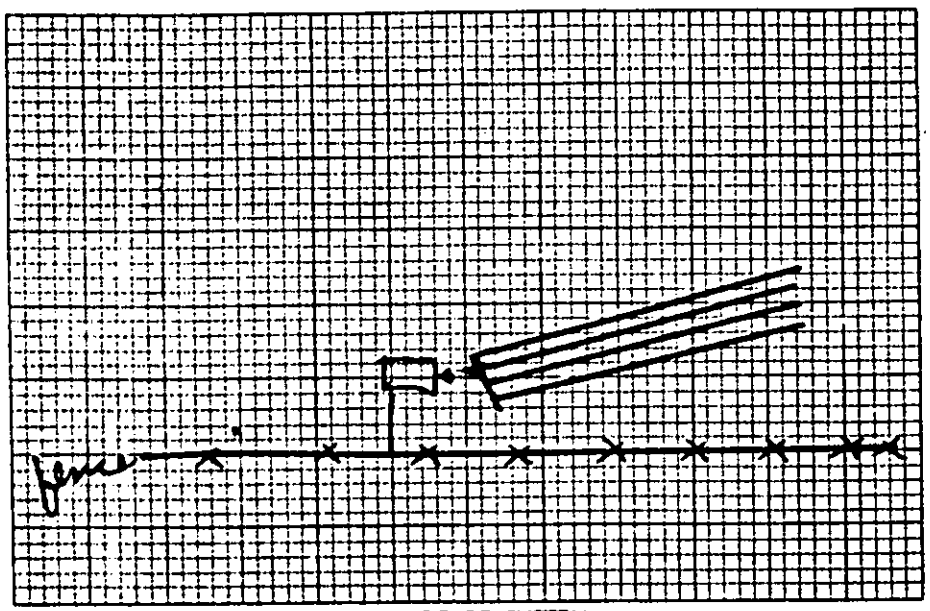
MECKLENBURG COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

INSTALLATION, CONSTUCTION, ALTERATION, AND/OR REPAIR PERMIT

(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Permission is hereby given to ✓ Install or Construct, ____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in application 3559 dated 4-10-72 and this permit shall be void and of no effect if the information provided in the application is not true or is erroneous. All work shall be completed on or before 24 Aug 72 after which date this permit shall be null and void.



PLOT OF SYSTEM

Percolation Rate 58

Liquid Capacity of Tank 1000 gal

Tank Construction Pre Cast Concrete

Absorption and/or Nitrification Lines

* Total Line Lenght 300 ft

Number of Lines 5 (12½ x 60 / 17" stone)

Distance from House 10' +

Distance from Property Line 10' +

Distance from Well 100' +

NAME OF OWNER Holman & Moody Inc.

LOCATION OF PROPERTY Nannie Price Rd

The system shall meet all of the construction requirements as set forth in the Regulations of the Mecklenburg County Board of Health which are in effect on the date of the granting of this permit. A certificate of approval must be issued by the Health Director before any system can be covered up or otherwise rendered uninspectable or can be used.

Comments: * At owners option may install 500' ft 5 Row Tile, 12½' x 100' x 17" stone – Aeration pit at end of drain field 2½' x 7' x 4' stone.

J. R. Atkisson
Division or Section Head

Randolph McReynolds
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or a section head of the Environmental Health Division in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

FORM NO. E-5-4-1-71

HEALTH DEPARTMENTS COPY

SERVICE REQUEST/WORK ORDER

Log No.: File # 3559 Section: _____ Hazard? [ ] Yes [ ] No

Date: _____ Parcel: _____ <60 Days? [ ] Yes [ ] No

REQUESTING PERSON: _____ Phone _____

Address _____ City _____ Zip _____

PROPERTY CONCERNED: Facility Name City of Charlotte

Address 7515 B Warren Road City _____ Zip _____

SERVICE REQUESTED: Adding modular office unit

ASSIGNED TO: _____ TAKEN BY: _____

DATE	ACTIVITY REPORT
8-5-98	OSV 7515 B Warren Rd. Could not locate septic tank. Requested that tank be found, uncovered and sampled for VOCs. Observed modular unit on-site that had been previously set up and placed into operation without authorization from this department.
9-3-98	OSV watched Lewis Haigler tank sampler from the septic tank - will be ran for VOCs and semi-VOCs. Observed floor drains in hangar. Al Beaman (CCAir) is going to see that these are filled with concrete. CCAir is to provide me with total # of employees on-site with a breakdown of shift schedules. Al Beaman indicated that there were around 50 employees.
9-16-98	OSV along with Jeff K. Verified tank had been pumped (Autry Concrete) and floor drains filled with concrete. Waiting for lab results from VOC sample.
9-28-98	Received correspondence from DWQ that verified VOCs within acceptable limits. Granting conditional use permit.

NOTIFICATION TO REQUESTING PERSON: ( ) Written ( ) Verbal ( ) Not Applica

COMPLETED BY: Larry S Thompson Jr. L.S. 9-29-98

REVIEWED BY: _____

Matt Heiler
Env. Mgmt
Mgr - UST
663.1699

CHARLOTTE.

September 22, 1998

Mr. G. Landon Davidson
919 North Main St.
Mooresville, NC 28115

RE: Sampling Results for the on site Septic Tank
City of Charlotte Police Storage and CC Air Maintenance Hangar
Warren Road Site
Groundwater Incident Number: 17656

Dear Mr. Davidson:

Please find attached the sampling results for the septic tank located at the site. The samples were collected and submitted on September 3, 1998 to Prism Laboratories Inc. The results indicate no TCE contamination in the septic tank as analyzed in accordance with EPA method 601.

The results did indicate Toluene at 210-ppb, Methlylene Chloride at 12-ppb, BIS (2-Ethylhexyl) Phthalate at 27-ppb, and Phenol at 21-ppb as analyzed in accordance with EPA methods 624 and 625.

If you have any questions please feel free to contact Lewis Hagler at 359-4000.

Sincerely,

T. J. Orr
Aviation Director

TJO: LRH

Attachment

Cc: Judy Kiser, MCDEP
Al Beaman, CC Air Director of Maintenance
Sam Bolin, CC Air Safety Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05288
Login Group #: 786603
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-601
Time: 10:00
Time: 11:05
Validated by: ADC

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601
Result: see below
Date started: 09/09/98
Time started: 21:48

Unit: ug/L
Date finished: 09/15/98
Analyst: JMV

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	5
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	1
CHLOROETHANE	Not detected	5
CHLOROFORM	Not detected	1
CHLOROMETHANE	Not detected	5
DIBROMOCHLOROMETHANE	Not detected	1
1,2-DICHLOROBENZENE	Not detected	1
1,3-DICHLOROBENZENE	Not detected	1
1,4-DICHLOROBENZENE	Not detected	1
DICHLORODIFLUOROMETHANE	Not detected	5
1,1-DICHLOROETHANE	Not detected	1
1,2-DICHLOROETHANE	Not detected	1
1,1-DICHLOROETHENE	Not detected	1
TRANS-1,2-DICHLOROETHENE	Not detected	1
1,2-DICHLOROPROPANE	Not detected	1
CIS-1,3-DICHLOROPROPENE	Not detected	1
TRANS-1,3-DICHLOROPROPENE	Not detected	5
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
1,1,2,2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1,1,1-TRICHLOROETHANE	Not detected	1
1,1,2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	1

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

Full Service Analytical & Environmental Solutions

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05289
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-624
Time: 10:00
Time: 11:05
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 624
Method reference: EPA 624
Result: see below
Date started: 09/09/98
Time started: 18:26

Unit: ug/L
Date finished: 09/09/98
Analyst: MP

Data for VOLATILE ORGANICS BY 624 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
CARBON TETRACHLORIDE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLOROETHANE	Not detected	10
2-CHLOROETHYLVINYL ETHER	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
DIBROMOCHLOROMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
CIS-1,3-DICHLOROPROPENE	Not detected	5
TRANS-1,3-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 624 (continued):

Component Name	Result	Component MDL
METHYLENE CHLORIDE	12	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	210	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	10
ACROLEIN	Not detected	100
ACRYLONITRILE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

PRISM LABORATORIES
Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

CASE NARRATIVE

Date: 09/10/98

Sample ID: AB05289

Client: CHARLOTTE DOUGLAS

Sample ID	Test Method	Comments
AB05289	624	Methylene chloride was detected in these samples. Method blank concentration : Methylene chloride : < 5 ug/L.

Steven H. Guptill
Organic Section Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05290
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-625
Time: 10:00
Time: 11:06
Validated by: ADO

Parameter: PREP. METHOD 625
Method reference: EPA 625
Result: Completed
Date started: 09/07/98
Time started: 13:30

Unit:
MDL or sensitivity:
Date finished: 09/07/98
Analyst: SMV

Parameter: SEMI-VOLATILE ORGANICS BY 625
Method reference: EPA 625
Result: see below
Date started: 09/10/98
Time started: 02:43

Unit: ug/L

Date finished: 09/16/98
Analyst: HWC

Data for SEMI-VOLATILE ORGANICS BY 625 ug/L:

Component Name	Result	Component MDL
ACENAPHTHENE	Not detected	10
ACENAPHTHYLENE	Not detected	10
ANTHRACENE	Not detected	10
BENZO(A)ANTHRACENE	Not detected	10
BENZO(B)FLUORANTHENE	Not detected	10
BENZO(K)FLUORANTHENE	Not detected	10
BENZO(A)PYRENE	Not detected	10
BENZO(GHI)PERYLENE	Not detected	10
BIS(2-CHLOROETHOXY)METHANE	Not detected	10
BIS(2-CHLOROETHYL)ETHER	Not detected	10
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	10
BIS(2-ETHYLHEXYL)PHTHALATE	27	10
4-BROMOPHENYL PHENYL ETHER	Not detected	10
BUTYL BENZYL PHTHALATE	Not detected	10
4-CHLORO-3-METHYLPHENOL	Not detected	10
2-CHLORONAPHTHALENE	Not detected	10

Lab Report

Full Service Analytical & Environmental Solutions

Data for SEMI-VOLATILE ORGANICS BY 625 (continued):

Component Name	Result	Component MDL
2-CHLOROPHENOL	Not detected	10
4-CHLOROPHENYL PHENYL ETHER	Not detected	10
CHRYSENE	Not detected	10
DIBENZO(A,H)ANTHRACENE	Not detected	10
DI-N-BUTYLPHTHALATE	Not detected	10
1,2-DICHLOROBENZENE	Not detected	10
1,3-DICHLOROBENZENE	Not detected	10
1,4-DICHLOROBENZENE	Not detected	10
2,4-DICHLOROPHENOL	Not detected	10
DIETHYL PHTHALATE	Not detected	10
2,4-DIMETHYLPHENOL	Not detected	10
DIMETHYL PHTHALATE	Not detected	10
2,4-DINITROPHENOL	Not detected	50
2,4-DINITROTOLUENE	Not detected	10
2,6-DINITROTOLUENE	Not detected	10
DI-N-OCTYLPHTHALATE	Not detected	10
FLUORANTHENE	Not detected	10
FLUORENE	Not detected	10
HEXACHLOROBENZENE	Not detected	10
HEXACHLOROBUTADIENE	Not detected	10
HEXACHLOROCYCLOPENTADIENE	Not detected	10
HEXACHLOROETHANE	Not detected	10
INDENO(1,2,3-CD)PYRENE	Not detected	10
ISOPHORONE	Not detected	10
2-METHYL-4,6-DINITROPHENOL	Not detected	50
NAPHTHALENE	Not detected	10
NITROBENZENE	Not detected	10
2-NITROPHENOL	Not detected	10
4-NITROPHENOL	Not detected	50
N-NITROSODIPHENYLAMINE	Not detected	10
N-NITROSODI-N-PROPYLAMINE	Not detected	10
PENTACHLOROPHENOL	Not detected	50
PHENANTHRENE	Not detected	10
PHENOL	21	10
PYRENE	Not detected	10
1,2,4-TRICHLOROBENZENE	Not detected	10
2,4,6-TRICHLOROPHENOL	Not detected	10
BENZIDINE	Not detected	100
1,2-DIPHENYLHYDRAZINE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

Lab Report

Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

PRISM LABORATORIES, INC.
449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 25.1°C		✓	
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client CHARLOTTE/DOUGLAS INT'L AIRPORT
Physical Address P.O. BOX 19066
CHARLOTTE NC 28219
Phone 704-359-4000 Fax 704-359-4030
P.O.#/Billing Reference 98000002053
Project Name CC AIR

REPORT TO: Name LEWIS HAGLER
Address
BILL TO: Name AVIATION DEPT.
Address
Requested Due Date 9/30/98

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification Requested NC X SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA X
Sample Iced Upon Collection Yes X No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 601	624	625				REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
T-601	9/3/98	10:00	WATER	VOA	3	40	HCL	X								05288
T-624	"	"	"	VOA	3	40	HCL		X							05289
T-625	"	"	"	A	1	1000	—			X						05290

Sampler's Signature [signature] Sampled By (Print Name) LEWIS P. HAGLER Affiliation CITY OF CHARLOTTE

Relinquished By: (Signature) [signature]	Received By: (Signature)	Date 9/3/98	Military/Hours 11:06
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	Date 9/3/98	11:06
Method of Shipment:		Log-In Group No. 78666D3	

Additional Comments:

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC X SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT COP

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05288
Login Group #: 786603
Phone Number: (704)359-4910
Sample collection date: 09/03/98 Time: 10:00
Lab submittal date: 09/03/98 Time: 11:05
Received by: TLM
Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-601
Validated by: ADC

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601
Unit: ug/L
Result: see below
Date started: 09/03/98
Time started: 21:40
Date finished: 09/15/98
Analyst: JMY

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	5
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	1
CHLOROETHANE	Not detected	5
CHLOROFORM	Not detected	1
CHLOROMETHANE	Not detected	5
DIBROMOCHLOROMETHANE	Not detected	1
1,2 DICHLOROBENZENE	Not detected	1
1,3 DICHLOROBENZENE	Not detected	1
1,4-DICHLOROBENZENE	Not detected	1
DICHLORODIFLUOROMETHANE	Not detected	5
1,1-DICHLOROETHANE	Not detected	1
1,2-DICHLOROETHANE	Not detected	1
1,1 DICHLOROETHENE	Not detected	1
TRANS 1,2 DICHLOROETHENE	Not detected	1
1,2-DICHLOROPROPANE	Not detected	1
CIS-1,3-DICHLOROPROPENE	Not detected	1
TRANS 1,3 DICHLOROPROPENE	Not detected	5
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5

Mr. Lewis R. Hagler Sample I.D. A805288 (continued)
Page: 2
September 17, 1998

Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
1,1,2,2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1,1,1-TRICHLOROETHANE	Not detected	1
1,1,2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	1

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05289
Login Group #: 7866D3
Phone Number: (704)359-4016
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-624
Time: 10:00
Time: 11:05
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 624
Method reference: EPA 624
Result: see below
Date started: 09/09/98
Time started: 10:26

Unit: ug/L
Date finished: 09/09/98
Analyst: MT

Data for VOLATILE ORGANICS BY 624 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
CARBON TETRACHLORIDE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLOROETHANE	Not detected	10
2-CHLOROETHYLVINYL ETHER	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
DIBROMOCHLOROMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
CIS-1,3-DICHLOROPROPENE	Not detected	5
TRANS-1,3-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5

Mr. Lewis R. Hagler Sample I.D. AB05289 (continued)
Page: 2
September 17, 1998

Data for VOLATILE ORGANICS BY 624 (continued):

Component Name	Result	Component MDL
METHYLENE CHLORIDE	12	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	210	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	10
ACROLEIN	Not detected	100
ACRYLONITRILE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

PRISM LABORATORIES, INC.
Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

CASE NARRATIVE

Date: 09/10/98

Sample ID: AB05289

Client: CHARLOTTE DOUGLAS

Sample ID	Test Method	Comments
AB05289	624	Methylene chloride was detected in these samples. Method blank concentration : Methylene chloride : < 5 ug/L.

Steven H. Guptill
Organic Section Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05290
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-625
Time: 10:00
Time: 11:06
Validated by: ADO

Parameter: PREP. METHOD 625
Method reference: EPA 625
Result: Completed
Date started: 09/07/98
Time started: 13:30

Unit:
MDL or sensitivity:
Date finished: 09/07/98
Analyst: SMV

Parameter: SEMI-VOLATILE ORGANICS BY 625
Method reference: EPA 625
Result: see below
Date started: 09/10/98
Time started: 02:43

Unit: ug/L

Date finished: 09/16/98
Analyst: HWC

Data for SEMI-VOLATILE ORGANICS BY 625 ug/L:

Component Name	Result	Component MDL
ACENAPHTHENE	Not detected	10
ACENAPHTHYLENE	Not detected	10
ANTHRACENE	Not detected	10
BENZO(A)ANTHRACENE	Not detected	10
BENZO(B)FLUORANTHENE	Not detected	10
BENZO(K)FLUORANTHENE	Not detected	10
BENZO(A)PYRENE	Not detected	10
BENZO(GHI)PERYLENE	Not detected	10
BIS(2-CHLOROETHOXY)METHANE	Not detected	10
BIS(2-CHLOROETHYL)ETHER	Not detected	10
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	10
BIS(2-ETHYLHEXYL)PHTHALATE	27	10
4 BROMOPHENYL PHENYL ETHER	Not detected	10
BUTYL BENZYL PHTHALATE	Not detected	10
4-CHLORO-3-METHYLPHENOL	Not detected	10
2-CHLORONAPHTHALENE	Not detected	10

Lab Report

Full Service Analytical & Environmental Solutions

Data for SEMI-VOLATILE ORGANICS BY 625 (continued):

Component Name	Result	Component MDL
2-CHLOROPHENOL	Not detected	10
4-CHLOROPHENYL PHENYL ETHER	Not detected	10
CHRYSENE	Not detected	10
DIBENZO(A,H)ANTHRACENE	Not detected	10
DI-N-BUTYLPHTHALATE	Not detected	10
1,2-DICHLOROBENZENE	Not detected	10
1,3-DICHLOROBENZENE	Not detected	10
1,4-DICHLOROBENZENE	Not detected	10
2,4-DICHLOROPHENOL	Not detected	10
DIETHYL PHTHALATE	Not detected	10
2,4-DIMETHYLPHENOL	Not detected	10
DIMETHYL PHTHALATE	Not detected	10
2,4-DINITROPHENOL	Not detected	50
2,4-DINITROTOLUENE	Not detected	10
2,6-DINITROTOLUENE	Not detected	10
DI-N-OCTYLPHTHALATE	Not detected	10
FLUORANTHENE	Not detected	10
FLUORENE	Not detected	10
HEXACHLOROBENZENE	Not detected	10
HEXACHLOROBUTADIENE	Not detected	10
HEXACHLOROCYCLOPENTADIENE	Not detected	10
HEXACHLOROETHANE	Not detected	10
INDENO(1,2,3-CD)PYRENE	Not detected	10
ISOPHORONE	Not detected	10
2-METHYL-4,6-DINITROPHENOL	Not detected	50
NAPHTHALENE	Not detected	10
NITROBENZENE	Not detected	10
2-NITROPHENOL	Not detected	10
4-NITROPHENOL	Not detected	50
N-NITROSODIPHENYLAMINE	Not detected	10
N-NITROSODI-N-PROPYLAMINE	Not detected	10
PENTACHLOROPHENOL	Not detected	50
PHENANTHRENE	Not detected	10
PHENOL	21	10
PYRENE	Not detected	10
1,2,4-TRICHLOROBENZENE	Not detected	10
2,4,6-TRICHLOROPHENOL	Not detected	10
BENZIDINE	Not detected	100
1,2-DIPHENYLHYDRAZINE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 25.1°C		✓	
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client CHARLOTTE/DOUGLAS INT'L AIRPORT
Physical Address P.O. BOX 19066
CHARLOTTE NC 28219
Phone 704-359-4000 Fax 704-359-7030
P.O.#/Billing Reference 98-00205.3
Project Name CC A.R.

REPORT TO: Name LEWIS HAGLER
Address
BILL TO: Name AVIATION DEPT
Address
Requested Due Date 9/10/98

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification
Requested NC X SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA X
Sample Iced Upon Collection Yes X No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 601	624	625				REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
T-601	9/3/98	10.00	WATER	VOA	3	40	HCL	X								05288
T-624	"	"	"	VOA	3	40	HCL		X							05289
T-625	"	"	"	A	1	1000	---			X						05290

Sampler's Signature _____ Sampled By (Print Name) LEWIS P. HAGLER Affiliation CITY OF CHARLOTTE

Relinquished By: (Signature)	Received By: (Signature)	Date 9/3/98	Military/Hours 11:06
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 9/3/98	11:06
Method of Shipment:		Log-In Group No. 78666D3	

Additional Comments:

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC X SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT CO

Lab Report

Full Service Analytical & Environmental Solutions

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05288
Login Group #: 786D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98 Time: 10:00
Lab submittal date: 09/03/98 Time: 11:05
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-601
Validated by: ADC

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601 Unit: ug/L
Result: see below
Date started: 09/09/98 Date finished: 09/15/98
Time started: 21:48 Analyst: JMY

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	5
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	1
CHLOROETHANE	Not detected	5
CHLOROFORM	Not detected	1
CHLOROMETHANE	Not detected	5
DIBROMOCHLOROMETHANE	Not detected	1
1,2-DICHLOROBENZENE	Not detected	1
1,3-DICHLOROBENZENE	Not detected	1
1,4-DICHLOROBENZENE	Not detected	1
DICHLORODIFLUOROMETHANE	Not detected	5
1,1-DICHLOROETHANE	Not detected	1
1,2-DICHLOROETHANE	Not detected	1
1,1-DICHLOROETHENE	Not detected	1
TRANS-1,2-DICHLOROETHENE	Not detected	1
1,2-DICHLOROPROPANE	Not detected	1
CIS-1,3-DICHLOROPROPENE	Not detected	1
TRANS-1,3-DICHLOROPROPENE	Not detected	5
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
1,1,2,2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1,1,1-TRICHLOROETHANE	Not detected	1
1,1,2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	1

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 • Toll Free Number: 1-800/529-6364 • Fax: 704/525-0409

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05289
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-624
Time: 10:00
Time: 11:05
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 624
Method reference: EPA 624
Result: see below
Date started: 09/09/98
Time started: 18:26

Unit: ug/L
Date finished: 09/09/98
Analyst: MP

Data for VOLATILE ORGANICS BY 624 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
CARBON TETRACHLORIDE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLOROETHANE	Not detected	10
2-CHLOROETHYLVINYL ETHER	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
DIBROMOCHLOROMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
CIS-1,3-DICHLOROPROPENE	Not detected	5
TRANS-1,3-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 624 (continued):

Component Name	Result	Component MDL
METHYLENE CHLORIDE	12	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	210	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	10
ACROLEIN	Not detected	100
ACRYLONITRILE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

CASE NARRATIVE

Date: 09/10/98

Sample ID: AB05289

Client: CHARLOTTE DOUGLAS

Sample ID	Test Method	Comments
AB05289	624	Methylene chloride was detected in these samples. Method blank concentration : Methylene chloride : < 5 ug/L.

Steven H. Guptill
Organic Section Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05290
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-625
Time: 10:00
Time: 11:06
Validated by: ADO

Parameter: PREP. METHOD 625
Method reference: EPA 625
Result: Completed
Date started: 09/07/98
Time started: 13:30

Unit:
MDL or sensitivity:
Date finished: 09/07/98
Analyst: SMV

Parameter: SEMI-VOLATILE ORGANICS BY 625
Method reference: EPA 625
Result: see below
Date started: 09/10/98
Time started: 02:43

Unit: ug/L

Date finished: 09/16/98
Analyst: HWC

Data for SEMI-VOLATILE ORGANICS BY 625 ug/L:

Component Name	Result	Component MDL
ACENAPHTHENE	Not detected	10
ACENAPHTHYLENE	Not detected	10
ANTHRACENE	Not detected	10
BENZO(A)ANTHRACENE	Not detected	10
BENZO(B)FLUORANTHENE	Not detected	10
BENZO(K)FLUORANTHENE	Not detected	10
BENZO(A)PYRENE	Not detected	10
BENZO(GHI)PERYLENE	Not detected	10
BIS(2-CHLOROETHOXY)METHANE	Not detected	10
BIS(2-CHLOROETHYL)ETHER	Not detected	10
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	10
BIS(2-ETHYLHEXYL)PHTHALATE	27	10
4-BROMOPHENYL PHENYL ETHER	Not detected	10
BUTYL BENZYL PHTHALATE	Not detected	10
4-CHLORO-3-METHYLPHENOL	Not detected	10
2-CHLORONAPHTHALENE	Not detected	10

Lab Report

Full Service Analytical & Environmental Solutions

Data for SEMI-VOLATILE ORGANICS BY 625 (continued):

Component Name	Result	Component MDL
2-CHLOROPHENOL	Not detected	10
4-CHLOROPHENYL PHENYL ETHER	Not detected	10
CHRYSENE	Not detected	10
DIBENZO(A,H)ANTHRACENE	Not detected	10
DI-N-BUTYLPHTHALATE	Not detected	10
1,2-DICHLOROBENZENE	Not detected	10
1,3-DICHLOROBENZENE	Not detected	10
1,4-DICHLOROBENZENE	Not detected	10
2,4-DICHLOROPHENOL	Not detected	10
DIETHYL PHTHALATE	Not detected	10
2,4-DIMETHYLPHENOL	Not detected	10
DIMETHYL PHTHALATE	Not detected	10
2,4-DINITROPHENOL	Not detected	50
2,4-DINITROTOLUENE	Not detected	10
2,6-DINITROTOLUENE	Not detected	10
DI-N-OCTYLPHTHALATE	Not detected	10
FLUORANTHENE	Not detected	10
FLUORENE	Not detected	10
HEXACHLOROBENZENE	Not detected	10
HEXACHLOROBUTADIENE	Not detected	10
HEXACHLOROCYCLOPENTADIENE	Not detected	10
HEXACHLOROETHANE	Not detected	10
INDENO(1,2,3-CD)PYRENE	Not detected	10
ISOPHORONE	Not detected	10
2-METHYL-4,6-DINITROPHENOL	Not detected	50
NAPHTHALENE	Not detected	10
NITROBENZENE	Not detected	10
2-NITROPHENOL	Not detected	10
4-NITROPHENOL	Not detected	50
N-NITROSODIPHENYLAMINE	Not detected	10
N-NITROSODI-N-PROPYLAMINE	Not detected	10
PENTACHLOROPHENOL	Not detected	50
PHENANTHRENE	Not detected	10
PHENOL	21	10
PYRENE	Not detected	10
1,2,4-TRICHLOROBENZENE	Not detected	10
2,4,6-TRICHLOROPHENOL	Not detected	10
BENZIDINE	Not detected	100
1,2-DIPHENYLHYDRAZINE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

Lab Report

Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 Toll Free Number: 1-800/529-6364 Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 25.1°C		✓	
PROPER PRESERVATIVES Indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client CHARLOTTE/DOUGLAS INT'L AIRPORT
Physical Address P.O. Box 19066
CHARLOTTE, NC 28219
Phone 704-359-4000 Fax 704-359-4030
P.O.#/Billing Reference 980000002053
Project Name CC A.R

REPORT TO: Name LEWIS HAGLER
Address
BILL TO: Name AVIATION DEPT.
Address
Requested Due Date 9/30/98

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification Requested NC X SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA X
Sample Iced Upon Collection Yes X No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 601	624	625				REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
T-601	9/3/98	10.00	WATER	VOA	3	40	HCL	X								05288
T-624	"	"	"	VOA	3	40	HCL		X							05289
T-625	"	"	"	A	1	1000	—			X						05290

Sampler's Signature [signature] Sampled By (Print Name) LEWIS P HAGLER Affiliation CITY OF CHARLOTTE

Relinquished By: (Signature) [signature]	Received By: (Signature)	Date 9/3/98	Military/Hours 11:06
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: Stacy Musick	Date 9/3/98	11:06
Method of Shipment:		Log-In Group No. 786603	

Additional Comments:

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC X SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

FINAL REPORT COPY

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05288
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-601
Time: 10:00
Time: 11:05
Validated by: ADC

Parameter: HALOGENATED VOLATILES BY 601
Method reference: 601
Result: see below
Date started: 09/09/98
Time started: 21:48

Unit: ug/L
Date finished: 09/15/98
Analyst: JMV

Data for HALOGENATED VOLATILES BY 601 ug/L:

Component Name	Result	Component MDL
BROMODICHLOROMETHANE	Not detected	1
BROMOFORM	Not detected	1
BROMOMETHANE	Not detected	5
CARBON TETRACHLORIDE	Not detected	1
CHLOROBENZENE	Not detected	1
CHLOROETHANE	Not detected	5
CHLOROFORM	Not detected	1
CHLOROMETHANE	Not detected	5
DIBROMOCHLOROMETHANE	Not detected	1
1,2-DICHLOROBENZENE	Not detected	1
1,3-DICHLOROBENZENE	Not detected	1
1,4-DICHLOROBENZENE	Not detected	1
DICHLORODIFLUOROMETHANE	Not detected	5
1,1-DICHLOROETHANE	Not detected	1
1,2-DICHLOROETHANE	Not detected	1
1,1-DICHLOROETHENE	Not detected	1
TRANS-1,2-DICHLOROETHENE	Not detected	1
1,2-DICHLOROPROPANE	Not detected	1
CIS-1,3-DICHLOROPROPENE	Not detected	1
TRANS-1,3-DICHLOROPROPENE	Not detected	5
EDB	Not detected	1
METHYLENE CHLORIDE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for HALOGENATED VOLATILES BY 601 (continued):

Component Name	Result	Component MDL
1,1,2,2-TETRACHLOROETHANE	Not detected	1
TETRACHLOROETHENE	Not detected	1
1,1,1-TRICHLOROETHANE	Not detected	1
1,1,2-TRICHLOROETHANE	Not detected	1
TRICHLOROETHENE	Not detected	1
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	5
CIS-1,2-DICHLOROETHENE	Not detected	1

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05289
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-624
Time: 10:00
Time: 11:05
Validated by: ADO

Parameter: VOLATILE ORGANICS BY 624
Method reference: EPA 624
Result: see below
Date started: 09/09/98
Time started: 18:26

Unit: ug/L
Date finished: 09/09/98
Analyst: MP

Data for VOLATILE ORGANICS BY 624 ug/L:

Component Name	Result	Component MDL
BENZENE	Not detected	5
BROMODICHLOROMETHANE	Not detected	5
BROMOFORM	Not detected	5
BROMOMETHANE	Not detected	10
CARBON TETRACHLORIDE	Not detected	5
CHLOROBENZENE	Not detected	5
CHLOROETHANE	Not detected	10
2-CHLOROETHYLVINYL ETHER	Not detected	10
CHLOROFORM	Not detected	5
CHLOROMETHANE	Not detected	10
DIBROMOCHLOROMETHANE	Not detected	5
1,2-DICHLOROBENZENE	Not detected	5
1,3-DICHLOROBENZENE	Not detected	5
1,4-DICHLOROBENZENE	Not detected	5
1,1-DICHLOROETHANE	Not detected	5
1,2-DICHLOROETHANE	Not detected	5
1,1-DICHLOROETHENE	Not detected	5
TRANS-1,2-DICHLOROETHENE	Not detected	5
1,2-DICHLOROPROPANE	Not detected	5
CIS-1,3-DICHLOROPROPENE	Not detected	5
TRANS-1,3-DICHLOROPROPENE	Not detected	5
ETHYLBENZENE	Not detected	5

Lab Report

Full Service Analytical & Environmental Solutions

Data for VOLATILE ORGANICS BY 624 (continued):

Component Name	Result	Component MDL
METHYLENE CHLORIDE	12	5
1,1,2,2-TETRACHLOROETHANE	Not detected	5
TETRACHLOROETHENE	Not detected	5
TOLUENE	210	5
1,1,1-TRICHLOROETHANE	Not detected	5
1,1,2-TRICHLOROETHANE	Not detected	5
TRICHLOROETHENE	Not detected	5
TRICHLOROFLUOROMETHANE	Not detected	5
VINYL CHLORIDE	Not detected	10
ACROLEIN	Not detected	100
ACRYLONITRILE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

CASE NARRATIVE

Date: 09/10/98

Sample ID: AB05289

Client: CHARLOTTE DOUGLAS

Sample ID	Test Method	Comments
AB05289	624	Methylene chloride was detected in these samples. Method blank concentration : Methylene chloride : < 5 ug/L.

Steven H. Guptill
Organic Section Manager

Lab Report

From: NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735
FL Certification No. E87519

Full Service Analytical & Environmental Solutions

September 17, 1998

To: Mr. Lewis R. Hagler
Charlotte/Douglas Int'l Airport
P.O. Box 19066
Charlotte, NC 28219
Proj: CC Air

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AB05290
Login Group #: 7866D3
Phone Number: (704)359-4916
Sample collection date: 09/03/98
Lab submittal date: 09/03/98
Received by: TLM

Customer Code: CHARDOUG
Customer Reference: CC AIR
Customer Sample I.D#: T-625
Time: 10:00
Time: 11:06
Validated by: ADO

Parameter: PREP. METHOD 625
Method reference: EPA 625
Result: Completed
Date started: 09/07/98
Time started: 13:30

Unit:
MDL or sensitivity:
Date finished: 09/07/98
Analyst: SMV

Parameter: SEMI-VOLATILE ORGANICS BY 625
Method reference: EPA 625
Result: see below
Date started: 09/10/98
Time started: 02:43

Unit: ug/L

Date finished: 09/16/98
Analyst: HWC

Data for SEMI-VOLATILE ORGANICS BY 625 ug/L:

Component Name	Result	Component MDL
ACENAPHTHENE	Not detected	10
ACENAPHTHYLENE	Not detected	10
ANTHRACENE	Not detected	10
BENZO(A)ANTHRACENE	Not detected	10
BENZO(B)FLUORANTHENE	Not detected	10
BENZO(K)FLUORANTHENE	Not detected	10
BENZO(A)PYRENE	Not detected	10
BENZO(GHI)PERYLENE	Not detected	10
BIS(2-CHLOROETHOXY)METHANE	Not detected	10
BIS(2-CHLOROETHYL)ETHER	Not detected	10
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	10
BIS(2-ETHYLHEXYL)PHTHALATE	27	10
4-BROMOPHENYL PHENYL ETHER	Not detected	10
BUTYL BENZYL PHTHALATE	Not detected	10
4-CHLORO-3-METHYLPHENOL	Not detected	10
2-CHLORONAPHTHALENE	Not detected	10

Full Service Analytical & Environmental Solutions

Data for SEMI-VOLATILE ORGANICS BY 625 (continued):

Component Name	Result	Component MDL
2-CHLOROPHENOL	Not detected	10
4-CHLOROPHENYL PHENYL ETHER	Not detected	10
CHRYSENE	Not detected	10
DIBENZO(A,H)ANTHRACENE	Not detected	10
DI-N-BUTYLPHTHALATE	Not detected	10
1,2-DICHLOROBENZENE	Not detected	10
1,3-DICHLOROBENZENE	Not detected	10
1,4-DICHLOROBENZENE	Not detected	10
2,4-DICHLOROPHENOL	Not detected	10
DIETHYL PHTHALATE	Not detected	10
2,4-DIMETHYLPHENOL	Not detected	10
DIMETHYL PHTHALATE	Not detected	10
2,4-DINITROPHENOL	Not detected	50
2,4-DINITROTOLUENE	Not detected	10
2,6-DINITROTOLUENE	Not detected	10
DI-N-OCTYLPHTHALATE	Not detected	10
FLUORANTHENE	Not detected	10
FLUORENE	Not detected	10
HEXACHLOROBENZENE	Not detected	10
HEXACHLOROBUTADIENE	Not detected	10
HEXACHLOROCYCLOPENTADIENE	Not detected	10
HEXACHLOROETHANE	Not detected	10
INDENO(1,2,3-CD)PYRENE	Not detected	10
ISOPHORONE	Not detected	10
2-METHYL-4,6-DINITROPHENOL	Not detected	50
NAPHTHALENE	Not detected	10
NITROBENZENE	Not detected	10
2-NITROPHENOL	Not detected	10
4-NITROPHENOL	Not detected	50
N-NITROSODIPHENYLAMINE	Not detected	10
N-NITROSODI-N-PROPYLAMINE	Not detected	10
PENTACHLOROPHENOL	Not detected	50
PHENANTHRENE	Not detected	10
PHENOL	21	10
PYRENE	Not detected	10
1,2,4-TRICHLOROBENZENE	Not detected	10
2,4,6-TRICHLOROPHENOL	Not detected	10
BENZIDINE	Not detected	100
1,2-DIPHENYLHYDRAZINE	Not detected	100

Sample comments:

Project Name: CC Air
PO# 9800002033

Full Service Analytical & Environmental Solutions

If there are any questions regarding this data, please call.

Angela D. Overcash
Laboratory Director

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
P.O. Box 240543 ▲ Charlotte, NC 28224-0543
Phone: 704/529-6364 ▲ Fax: 704/525-0409

Full Service Analytical & Environmental Solutions

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp 25.1°C		✓	
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Client CHARLOTTE/DOUGLAS INT'L AIRPORT
Physical Address P.O. Box 19066
CHARLOTTE, NC 28219
Phone 704-359-4000 Fax 704-359-4030
P.O.#/Billing Reference 98XXXX02053
Project Name CC AIR

REPORT TO: Name LEWIS HAGLER
Address
BILL TO: Name AVIATION DEPT.
Address
Requested Due Date 9/20/98

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

State Certification
Requested NC X SC ___ Other ___ NA ___
Water Chlorinated Yes ___ No ___ NA X
Sample Iced Upon Collection Yes X No ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 601	624	625				REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
T-601	9/3/98	10.00	WATER	VOA	3	40	HCL	X								05288
T-624	"	"	"	VOA	3	40	HCL		X							05289
T-625	"	"	"	A	1	1000	—			X						05290

Sampler's Signature _____ Sampled By (Print Name) LEWIS P. HAGLER Affiliation CITY OF CHARLOTTE

Relinquished By: (Signature)	Received By: (Signature)	Date 9/3/98	Military/Hours 11:06
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date 9/3/98	11:06
Method of Shipment:		Log-In Group No. 786603	

Additional Comments:

NPDES: NC ___ SC ___ OTHER ___ UST: NC ___ SC ___ OTHER ___ GROUNDWATER: NC X SC ___ OTHER ___ DRINKING WATER: NC ___ SC ___ OTHER ___ SOLID WASTE: NC ___ SC ___ OTHER ___ OTHER: NC ___ SC ___ OTHER ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

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