

Report HW314078. 2.1. 1984  
GWData - 1981 - to - 1983 IBM  
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IBM Corporation  
Poughkeepsie, New York

**DATA REPORT FOR THE  
AIRPORT SITE:  
IBM HANGAR AREA  
AT DUTCHESS COUNTY AIRPORT**

February 1984

**Lawler, Matusky & Skelly Engineers**

Environmental Science & Engineering Consultants

One Blue Hill Plaza

Pearl River, New York 10965

IBM (Poughkeepsie)

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IBM HANGAR AREA AT DUTCHESS COUNTY AIRPORT

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Project No. 272-043

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## CHAPTER 1.0

### INTRODUCTION

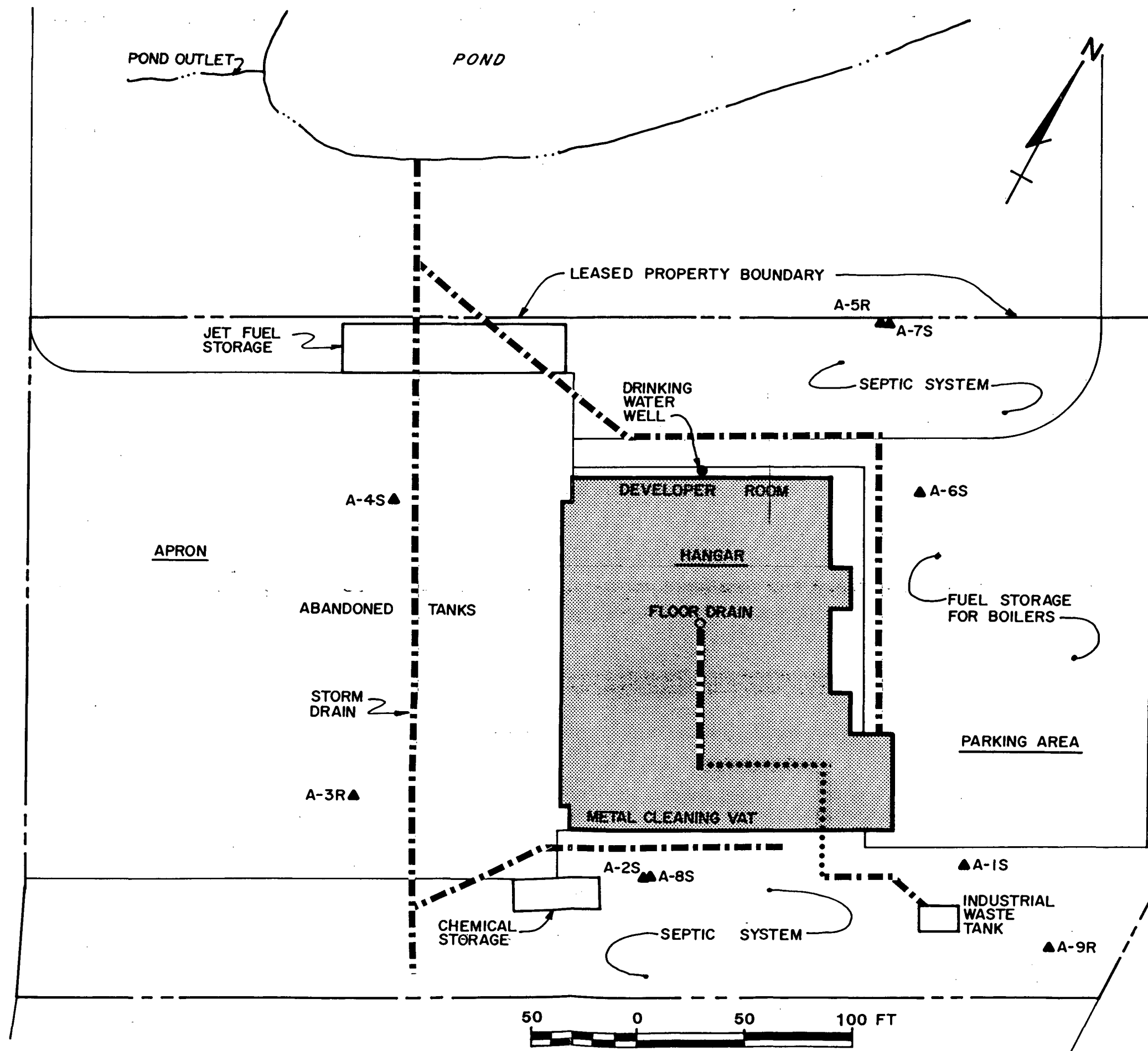
This data report is a compilation of all data from 1981 through 1983 collected at the Airport site. Data from 1981 have been presented in a previous report:

- Final Report on Building 953 - August 1982

Data from 1983 taken at this site were used to verify the data collected in the previous program years and are presented only in this report.

The data in this report are organized as follows. Figure 1.0-1 is a map of the boring locations. Summary data tables for water samples are provided in Appendix A. Summary data tables list data by groups of compounds: acid/phenolics, base/neutrals, volatiles, pesticides/PCBs, metals, and miscellaneous analyses. Only those chemicals detected in one or more samples are listed. When special analyses were requested, such as for xylene or freon TF (1,1,2-trichloro-1,2,2-trifluoroethane), these are listed and noted as detected or not.

The summary data tables are followed by the field data sheets for the 1983 data only (Appendix B). Field data sheets include all information collected in the field such as boring capacity, bailed volume, static water levels (SWL), etc. These field data sheets are followed by the chemistry data sheets for 1983 data only (Appendix C). These sheets present all chemistry data collected for that sample including data not included in the summary tables. Field and chemistry data from 1981 are provided in the above mentioned report.



# **LEGEND**

- ▲ BORING LOCATION BY COORDINATE
- SUFFIXES FOR BORINGS
- R ROCK BORING
- S SOIL BORING

FIGURE 1.0-1  
AIRPORT SITE  
LOCATION OF BORINGS  
AND IBM ACTIVITIES

The final section (Appendix D) contains the statistical summary of the chemistry data from the Airport. These statistics were done only on water samples from borings. Mean, maximum, minimum, number of samples, number of not detected (ND) values and number of below method detection limit (BM) values were calculated for all samples. In addition the above statistics were also calculated for data within each program year. For purposes of the statistical calculations samples with a value of ND or BM were considered to have a value of 0.

APPENDIX A

SUMMARY OF CHEMISTRY AT AIRPORT

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-1<br>(ORIG)<br>5 OCT 81<br>811035 | A-1<br>(ORIG)<br>4 NOV 81<br>811036 | A-1<br>(ORIG)<br>21 APR 82<br>811037<br>(by ERG) | A-1<br>(ORIG)<br>1 JUN 82<br>811038 | A-1<br>(ORIG)<br>28 SEP 83<br>832208 | A-2<br>(ORIG)<br>28 SEP 81<br>811006 |
|-----------------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                     |                                                  |                                     |                                      |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                     |                                                  |                                     |                                      |                                      |
| phenol                                        | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                     |                                     |                                                  |                                     |                                      |                                      |
| benzo(a)anthracene                            | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| benzo(a)pyrene                                | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| benzo(b)fluoranthene                          | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| diethylphthalate                              | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| fluoranthene                                  | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| pyrene                                        | NR                                  | NR                                  | -                                                | NR                                  | NR                                   | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| organic phosphate ester                       | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| VOLATILES (ppb)                               |                                     |                                     |                                                  |                                     |                                      |                                      |
| 1,2-dichloropropane                           | -                                   | -                                   | NR                                               | NR                                  | -                                    | -                                    |
| methylene chloride                            | -                                   | -                                   | NR                                               | NR                                  | 4                                    | -                                    |
| toluene                                       | -                                   | -                                   | NR                                               | NR                                  | -                                    | -                                    |
| 1,1,1-trichloroethane                         | -                                   | -                                   | NR                                               | NR                                  | -                                    | -                                    |
| 1,1,2-trichloroethane                         | -                                   | -                                   | NR                                               | NR                                  | -                                    | -                                    |
| trichlorofluoromethane                        | -                                   | -                                   | NR                                               | NR                                  | 1                                    | -                                    |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                     |                                                  |                                     |                                      |                                      |
| Aldrin                                        | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| delta-BHC                                     | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| METALS (ppm)                                  |                                     |                                     |                                                  |                                     |                                      |                                      |
| antimony                                      | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| arsenic                                       | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| cadmium                                       | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| chromium                                      | NR                                  | NR                                  | NR                                               | NR                                  | BM @.010                             | NR                                   |
| copper                                        | NR                                  | NR                                  | NR                                               | NR                                  | BM @.010                             | NR                                   |
| lead                                          | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| mercury                                       | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| nickel                                        | NR                                  | NR                                  | NR                                               | NR                                  | .010                                 | NR                                   |
| selenium                                      | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| silver                                        | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| thallium                                      | NR                                  | NR                                  | NR                                               | NR                                  | -                                    | NR                                   |
| zinc                                          | NR                                  | NR                                  | NR                                               | NR                                  | BM @.020                             | NR                                   |
| potassium                                     | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| silicon                                       | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| sodium                                        | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| barium                                        | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| calcium                                       | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |
| magnesium                                     | NR                                  | NR                                  | NR                                               | NR                                  | NR                                   | NR                                   |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-1<br>(ORIG)<br>5 OCT 81<br>811035<br>- | A-1<br>(ORIG)<br>4 NOV 81<br>811036<br>- | A-1<br>(ORIG)<br>21 APR 82<br>811037<br>(by ERG) | A-1<br>(ORIG)<br>1 JUN 82<br>811038<br>- | A-1<br>(ORIG)<br>28 SEP 83<br>832208<br>- | A-2<br>(ORIG)<br>28 SEP 81<br>811006<br>- |
|-----------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                          |                                                  |                                          |                                           |                                           |
| MISCELLANEOUS ANALYSES (ppb)                  |                                          |                                          |                                                  |                                          |                                           |                                           |
| Alkalinity                                    | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Bicarbonate                                   | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Chloride                                      | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Fluoride                                      | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Nitrate                                       | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Phosphorus                                    | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Redox (mv)                                    | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Sulfate                                       | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Total dissolved solids                        | NR                                       | NR                                       | NR                                               | NR                                       | NR                                        | NR                                        |
| Total Cyanide                                 | -                                        | NR                                       | NR                                               | NR                                       | NR                                        | -                                         |
| Total recoverable phenolics                   | -                                        | NR                                       | NR                                               | NR                                       | NR                                        | -                                         |
| formaldehyde                                  | NR                                       | NR                                       | 100                                              | 90                                       | NR                                        | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-2<br>(ORIG)<br>4 NOV 81<br>811008 | A-2<br>(ORIG)<br>1 DEC 81<br>811028 | A-2<br>(ORIG)<br>9 DEC 81<br>811029 | A-2<br>(ORIG)<br>3 MAR 82<br>811030 | A-2<br>(ORIG)<br>10 MAR 82<br>811031 | A-2<br>(ORIG)<br>11 MAR 82<br>811032 |
|-----------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                     |                                     |                                     |                                      |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                     |                                     |                                     |                                      |                                      |
| phenol                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                     |                                     |                                     |                                     |                                      |                                      |
| benzo(a)anthracene                            | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| benzo(a)pyrene                                | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| benzo(b)fluoranthene                          | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| diethylphthalate                              | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| fluoranthene                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| pyrene                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| organic phosphate ester                       | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| VOLATILES (ppb)                               |                                     |                                     |                                     |                                     |                                      |                                      |
| 1,2-dichloropropane                           | -                                   | -                                   | NR                                  | NR                                  | NR                                   | NR                                   |
| methylene chloride                            | -                                   | -                                   | NR                                  | NR                                  | NR                                   | NR                                   |
| toluene                                       | BM @10                              | 14                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| 1,1,1-trichloroethane                         | -                                   | -                                   | NR                                  | NR                                  | NR                                   | NR                                   |
| 1,1,2-trichloroethane                         | -                                   | -                                   | NR                                  | NR                                  | NR                                   | NR                                   |
| trichlorofluoromethane                        | -                                   | -                                   | NR                                  | NR                                  | NR                                   | NR                                   |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                     |                                     |                                     |                                      |                                      |
| Aldrin                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| delta-BHC                                     | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| METALS (ppm)                                  |                                     |                                     |                                     |                                     |                                      |                                      |
| antimony                                      | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| arsenic                                       | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| cadmium                                       | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| chromium                                      | NR                                  | 0.014                               | -                                   | -                                   | -                                    | -                                    |
| copper                                        | NR                                  | 0.024                               | -                                   | -                                   | -                                    | -                                    |
| lead                                          | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| mercury                                       | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| nickel                                        | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| selenium                                      | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| silver                                        | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| thallium                                      | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| zinc                                          | NR                                  | -                                   | -                                   | -                                   | -                                    | -                                    |
| potassium                                     | NR                                  | NR                                  | NR                                  | 71.5                                | 95.8                                 | 4.15                                 |
| silicon                                       | NR                                  | NR                                  | NR                                  | NR                                  | BM @1                                | 3.9                                  |
| sodium                                        | NR                                  | 50.96                               | 66.04                               | 59.1                                | 62.5                                 | 0.295                                |
| barium                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   | NR                                   |
| calcium                                       | NR                                  | 108.66                              | 1.72                                | 339.3                               | 371.2                                | 53.0                                 |
| magnesium                                     | NR                                  | NR                                  | NR                                  | 3.03                                | .064                                 | 7.94                                 |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-2<br>(ORIG)<br>4 NOV 81<br>811008<br>- | A-2<br>(ORIG)<br>1 DEC 81<br>811028<br>- | A-2<br>(ORIG)<br>9 DEC 81<br>811029<br>- | A-2<br>(ORIG)<br>3 MAR 82<br>811030<br>- | A-2<br>(ORIG)<br>10 MAR 82<br>811031<br>- | A-2<br>(ORIG)<br>11 MAR 82<br>811032<br>- |
|------------------------------|-----------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                          |                                          |                                          |                                          |                                           |                                           |
| -----                        |                                               |                                          |                                          |                                          |                                          |                                           |                                           |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                          |                                          |                                          |                                          |                                           |                                           |
| Alkalinity                   |                                               | NR                                       | NR                                       | NR                                       | 846                                      | 1,236                                     | NR                                        |
| Bicarbonate                  |                                               | NR                                       | NR                                       | NR                                       | NR                                       | 102                                       | 117                                       |
| Chloride                     |                                               | NR                                       | NR                                       | NR                                       | NR                                       | 21.1                                      | 28.2                                      |
| Fluoride                     |                                               | NR                                       | NR                                       | NR                                       | NR                                       | .20                                       | BM @0.10                                  |
| Nitrate                      |                                               | NR                                       | NR                                       | NR                                       | NR                                       | 1.84                                      | -                                         |
| Phosphorus                   |                                               | NR                                       | NR                                       | NR                                       | .16                                      | NR                                        | NR                                        |
| Redox (mv)                   |                                               | NR                                       | NR                                       | NR                                       | NR                                       | +280                                      | +280                                      |
| Sulfate                      |                                               | NR                                       | NR                                       | NR                                       | NR                                       | 16.0                                      | 61.1                                      |
| Total dissolved solids       |                                               | NR                                       | NR                                       | NR                                       | NR                                       | 1,134                                     | 176                                       |
| Total Cyanide                |                                               | NR                                       | -                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| Total recoverable phenolics  |                                               | NR                                       | 10                                       | NR                                       | NR                                       | NR                                        | NR                                        |
| formaldehyde                 |                                               | NR                                       | NR                                       | NR                                       | NR                                       | NR                                        | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-2<br>(ORIG)<br>17 MAR 82<br>811033<br>- | A-2<br>(ORIG)<br>21 APR 82<br>811034<br>(by ERG) | A-2<br>(ORIG)<br>27 SEP 83<br>832207<br>- | A-3<br>(ORIG)<br>5 OCT 81<br>811039<br>- | A-3<br>(ORIG)<br>4 NOV 81<br>811040<br>- | A-3<br>(ORIG)<br>1 DEC 81<br>811041<br>- |
|-----------------------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| COMPOUNDS (UNIT)                              |                                           |                                                  |                                           |                                          |                                          |                                          |
| ACIDS/PHENOLICS (ppb)                         |                                           |                                                  |                                           |                                          |                                          |                                          |
| phenol                                        | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| BASE/NEUTRALS (ppb)                           |                                           |                                                  |                                           |                                          |                                          |                                          |
| benzo(a)anthracene                            | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| benzo(a)pyrene                                | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| benzo(b)fluoranthene                          | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| diethylphthalate                              | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| fluoranthene                                  | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| pyrene                                        | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| organic phosphate ester                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| VOLATILES (ppb)                               |                                           |                                                  |                                           |                                          |                                          |                                          |
| 1,2-dichloropropane                           | NR                                        | -                                                | BM @1                                     | -                                        | -                                        | -                                        |
| methylene chloride                            | NR                                        | -                                                | 3                                         | -                                        | -                                        | -                                        |
| toluene                                       | NR                                        | -                                                | BM @1                                     | -                                        | -                                        | -                                        |
| 1,1,1-trichloroethane                         | NR                                        | 2                                                | 2                                         | -                                        | -                                        | -                                        |
| 1,1,2-trichloroethane                         | NR                                        | -                                                | -                                         | -                                        | -                                        | -                                        |
| trichlorofluoromethane                        | NR                                        | -                                                | 9                                         | -                                        | -                                        | -                                        |
| PESTICIDES/PCB'S (ppb)                        |                                           |                                                  |                                           |                                          |                                          |                                          |
| Aldrin                                        | NR                                        | NR                                               | NR                                        | NR                                       | -                                        | NR                                       |
| delta-BHC                                     | NR                                        | NR                                               | NR                                        | NR                                       | -                                        | NR                                       |
| METALS (ppm)                                  |                                           |                                                  |                                           |                                          |                                          |                                          |
| antimony                                      | -                                         | NR                                               | -                                         | NR                                       | 1.0                                      | -                                        |
| arsenic                                       | -                                         | NR                                               | .003                                      | NR                                       | -                                        | -                                        |
| cadmium                                       | -                                         | NR                                               | -                                         | NR                                       | -                                        | 0.011                                    |
| chromium                                      | -                                         | NR                                               | -                                         | NR                                       | -                                        | 0.010                                    |
| copper                                        | -                                         | NR                                               | -                                         | NR                                       | -                                        | 0.026                                    |
| lead                                          | -                                         | NR                                               | -                                         | NR                                       | -                                        | -                                        |
| mercury                                       | -                                         | NR                                               | -                                         | NR                                       | -                                        | -                                        |
| nickel                                        | -                                         | NR                                               | -                                         | NR                                       | -                                        | -                                        |
| selenium                                      | -                                         | NR                                               | -                                         | NR                                       | -                                        | 0.0055                                   |
| silver                                        | -                                         | NR                                               | -                                         | NR                                       | -                                        | -                                        |
| thallium                                      | -                                         | NR                                               | -                                         | NR                                       | -                                        | -                                        |
| zinc                                          | -                                         | NR                                               | .160                                      | NR                                       | 0.012                                    | -                                        |
| potassium                                     | 2.83                                      | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| silicon                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| sodium                                        | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| barium                                        | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| calcium                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| magnesium                                     | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-2<br>(ORIG)<br>17 MAR 82<br>811033<br>- | A-2<br>(ORIG)<br>21 APR 82<br>811034<br>(by ERG) | A-2<br>(ORIG)<br>27 SEP 83<br>832207<br>- | A-3<br>(ORIG)<br>5 OCT 81<br>811039<br>- | A-3<br>(ORIG)<br>4 NOV 81<br>811040<br>- | A-3<br>(ORIG)<br>1 DEC 81<br>811041<br>- |
|------------------------------|-----------------------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                           |                                                  |                                           |                                          |                                          |                                          |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                           |                                                  |                                           |                                          |                                          |                                          |
| Alkalinity                   |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Bicarbonate                  |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Chloride                     |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Fluoride                     |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Nitrate                      |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Phosphorus                   |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Redox (mv)                   |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Sulfate                      |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Total dissolved solids       |                                               | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                       |
| Total Cyanide                |                                               | NR                                        | NR                                               | NR                                        | -                                        | NR                                       | -                                        |
| Total recoverable phenolics  |                                               | NR                                        | NR                                               | NR                                        | -                                        | NR                                       | -                                        |
| formaldehyde                 |                                               | NR                                        | -                                                | NR                                        | NR                                       | NR                                       | NR                                       |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| COMPOUNDS (UNIT)                  | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-3<br>(ORIG)<br>27 JAN 82<br>811042 | A-3<br>(ORIG)<br>3 MAR 82<br>811043 | A-3<br>(ORIG)<br>10 MAR 82<br>811044 | A-3<br>(ORIG)<br>11 MAR 82<br>811045 | A-3<br>(ORIG)<br>21 APR 82<br>811046<br>(by ERG) | A-3<br>(ORIG)<br>27 SEP 83<br>832206 |
|-----------------------------------|-----------------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------|
| ACIDS/PHENOLICS (ppb)             |                                               |                                      |                                     |                                      |                                      |                                                  |                                      |
| phenol                            |                                               | NR                                   | BM @25                              | NR                                   | NR                                   | NR                                               | NR                                   |
| BASE/NEUTRALS (ppb)               |                                               |                                      |                                     |                                      |                                      |                                                  |                                      |
| benzo(a)anthracene                |                                               | NR                                   | BM @10                              | NR                                   | NR                                   | -                                                | NR                                   |
| benzo(a)pyrene                    |                                               | NR                                   | BM @10                              | NR                                   | NR                                   | -                                                | NR                                   |
| benzo(b)fluoranthene              |                                               | NR                                   | BM @10                              | NR                                   | NR                                   | -                                                | NR                                   |
| diethylphthalate                  |                                               | NR                                   | -                                   | NR                                   | NR                                   | -                                                | NR                                   |
| fluoranthene                      |                                               | NR                                   | BM @10                              | NR                                   | NR                                   | -                                                | NR                                   |
| pyrene                            |                                               | NR                                   | BM @10                              | NR                                   | NR                                   | -                                                | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol  |                                               | NR                                   | NR                                  | NR                                   | NR                                   | NR                                               | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis |                                               | NR                                   | NR                                  | NR                                   | NR                                   | NR                                               | NR                                   |
| organic phosphate ester           |                                               | NR                                   | NR                                  | NR                                   | NR                                   | NR                                               | NR                                   |
| VOLATILES (ppb)                   |                                               |                                      |                                     |                                      |                                      |                                                  |                                      |
| 1,2-dichloropropane               |                                               | -                                    | -                                   | NR                                   | NR                                   | -                                                | BM @1                                |
| methylene chloride                |                                               | -                                    | -                                   | NR                                   | NR                                   | -                                                | BM @1                                |
| toluene                           |                                               | 25                                   | 26                                  | NR                                   | NR                                   | -                                                | 2                                    |
| 1,1,1-trichloroethane             |                                               | -                                    | -                                   | NR                                   | NR                                   | -                                                | -                                    |
| 1,1,2-trichloroethane             |                                               | -                                    | -                                   | NR                                   | NR                                   | -                                                | -                                    |
| trichlorofluoromethane            |                                               | -                                    | -                                   | NR                                   | NR                                   | -                                                | 5                                    |
| PESTICIDES/PCB'S (ppb)            |                                               |                                      |                                     |                                      |                                      |                                                  |                                      |
| Aldrin                            |                                               | NR                                   | -                                   | NR                                   | NR                                   | NR                                               | NR                                   |
| delta-BHC                         |                                               | NR                                   | -                                   | NR                                   | NR                                   | NR                                               | NR                                   |
| METALS (ppm)                      |                                               |                                      |                                     |                                      |                                      |                                                  |                                      |
| antimony                          |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| arsenic                           |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| cadmium                           |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| chromium                          |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| copper                            |                                               | -                                    | .026                                | -                                    | -                                    | NR                                               | BM @.010                             |
| lead                              |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | .011                                 |
| mercury                           |                                               | 0.0022                               | -                                   | -                                    | -                                    | NR                                               | -                                    |
| nickel                            |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | BM @.010                             |
| selenium                          |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| silver                            |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| thallium                          |                                               | -                                    | -                                   | -                                    | -                                    | NR                                               | -                                    |
| zinc                              |                                               | -                                    | .024                                | -                                    | -                                    | NR                                               | .170                                 |
| potassium                         |                                               | NR                                   | 165                                 | 61.5                                 | 2.32                                 | NR                                               | NR                                   |
| silicon                           |                                               | NR                                   | NR                                  | 3.6                                  | 2.3                                  | NR                                               | NR                                   |
| sodium                            |                                               | NR                                   | 75.5                                | 26.7                                 | 0.736                                | NR                                               | NR                                   |
| barium                            |                                               | NR                                   | BM @.1                              | NR                                   | 9.67                                 | NR                                               | NR                                   |
| calcium                           |                                               | NR                                   | 44.4                                | 5.9                                  | NR                                   | NR                                               | NR                                   |
| magnesium                         |                                               | NR                                   | 5.48                                | 1.28                                 | 43.0                                 | NR                                               | NR                                   |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-3<br>(ORIG)<br>27 JAN 82<br>811042<br>- | A-3<br>(ORIG)<br>3 MAR 82<br>811043<br>- | A-3<br>(ORIG)<br>10 MAR 82<br>811044<br>- | A-3<br>(ORIG)<br>11 MAR 82<br>811045<br>- | A-3<br>(ORIG)<br>21 APR 82<br>811046<br>(by ERG) | A-3<br>(ORIG)<br>27 SEP 83<br>832206<br>- |
|-----------------------------------------------|-------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                           |                                          |                                           |                                           |                                                  |                                           |
| -----                                         |                                           |                                          |                                           |                                           |                                                  |                                           |
| MISCELLANEOUS ANALYSES (ppb)                  |                                           |                                          |                                           |                                           |                                                  |                                           |
| Alkalinity                                    | NR                                        | 420                                      | 188                                       | NR                                        | NR                                               | NR                                        |
| Bicarbonate                                   | NR                                        | NR                                       | 146                                       | 137                                       | NR                                               | NR                                        |
| Chloride                                      | NR                                        | NR                                       | 7                                         | 8.0                                       | NR                                               | NR                                        |
| Fluoride                                      | NR                                        | NR                                       | .10                                       | BM @0.10                                  | NR                                               | NR                                        |
| Nitrate                                       | NR                                        | NR                                       | .47                                       | 1.55                                      | NR                                               | NR                                        |
| Phosphorus                                    | NR                                        | NR                                       | NR                                        | NR                                        | NR                                               | NR                                        |
| Redox (mv)                                    | NR                                        | NR                                       | +10                                       | +315                                      | NR                                               | NR                                        |
| Sulfate                                       | NR                                        | NR                                       | 29.4                                      | 32.6                                      | NR                                               | NR                                        |
| Total dissolved solids                        | NR                                        | NR                                       | 201                                       | 144                                       | NR                                               | NR                                        |
| Total Cyanide                                 | NR                                        | -                                        | NR                                        | NR                                        | NR                                               | NR                                        |
| Total recoverable phenolics                   | NR                                        | -                                        | NR                                        | NR                                        | NR                                               | NR                                        |
| formaldehyde                                  | NR                                        | NR                                       | NR                                        | NR                                        | -                                                | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-4<br>(ORIG)<br>5 OCT 81<br>811047 | A-4<br>(ORIG)<br>4 NOV 81<br>811048 | A-4<br>(ORIG)<br>27 JAN 82<br>811049 | A-4<br>(ORIG)<br>10 MAR 82<br>811050 | A-4<br>(ORIG)<br>11 MAR 82<br>811051 | A-4<br>(ORIG)<br>21 APR 82<br>811052<br>(by ERG) |
|-----------------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                     |                                      |                                      |                                      |                                                  |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                     |                                      |                                      |                                      |                                                  |
| phenol                                        | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| BASE/NEUTRALS (ppb)                           |                                     |                                     |                                      |                                      |                                      |                                                  |
| benzo(a)anthracene                            | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| benzo(a)pyrene                                | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| benzo(b)fluoranthene                          | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| diethylphthalate                              | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| fluoranthene                                  | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| pyrene                                        | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | -                                                |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| organic phosphate ester                       | NR                                  | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| VOLATILES (ppb)                               |                                     |                                     |                                      |                                      |                                      |                                                  |
| 1,2-dichloropropane                           | -                                   | -                                   | -                                    | NR                                   | NR                                   | -                                                |
| methylene chloride                            | -                                   | -                                   | -                                    | NR                                   | NR                                   | -                                                |
| toluene                                       | -                                   | -                                   | -                                    | NR                                   | NR                                   | -                                                |
| 1,1,1-trichloroethane                         | -                                   | -                                   | -                                    | NR                                   | NR                                   | 3                                                |
| 1,1,2-trichloroethane                         | -                                   | -                                   | -                                    | NR                                   | NR                                   | -                                                |
| trichlorofluoromethane                        | -                                   | -                                   | -                                    | NR                                   | NR                                   | -                                                |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                     |                                      |                                      |                                      |                                                  |
| Aldrin                                        | 0.02                                | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| delta-BHC                                     | -                                   | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| METALS (ppm)                                  |                                     |                                     |                                      |                                      |                                      |                                                  |
| antimony                                      | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| arsenic                                       | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| cadmium                                       | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| chromium                                      | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| copper                                        | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| lead                                          | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| mercury                                       | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| nickel                                        | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| selenium                                      | 0.015                               | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| silver                                        | 0.010                               | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| thallium                                      | -                                   | NR                                  | -                                    | -                                    | -                                    | NR                                               |
| zinc                                          | 0.117                               | NR                                  | 0.030                                | -                                    | -                                    | NR                                               |
| potassium                                     | NR                                  | NR                                  | NR                                   | 7.3                                  | 1.58                                 | NR                                               |
| silicon                                       | NR                                  | NR                                  | NR                                   | 3.7                                  | 3.4                                  | NR                                               |
| sodium                                        | NR                                  | NR                                  | NR                                   | 12.3                                 | 0.314                                | NR                                               |
| barium                                        | NR                                  | NR                                  | NR                                   | NR                                   | NR                                   | NR                                               |
| calcium                                       | NR                                  | NR                                  | NR                                   | 32.4                                 | 63.0                                 | NR                                               |
| magnesium                                     | NR                                  | NR                                  | NR                                   | 8.72                                 | 11.77                                | NR                                               |

NR - Not run

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-4<br>(ORIG)<br>5 OCT 81<br>811047<br>- | A-4<br>(ORIG)<br>4 NOV 81<br>811048<br>- | A-4<br>(ORIG)<br>27 JAN 82<br>811049<br>- | A-4<br>(ORIG)<br>10 MAR 82<br>811050<br>- | A-4<br>(ORIG)<br>11 MAR 82<br>811051<br>- | A-4<br>(ORIG)<br>21 APR 82<br>811052<br>(by ERG) |
|-----------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                          |                                           |                                           |                                           |                                                  |
| MISCELLANEOUS ANALYSES (ppb)                  |                                          |                                          |                                           |                                           |                                           |                                                  |
| Alkalinity                                    | NR                                       | NR                                       | NR                                        | 106                                       | NR                                        | NR                                               |
| Bicarbonate                                   | NR                                       | NR                                       | NR                                        | 142                                       | 200                                       | NR                                               |
| Chloride                                      | NR                                       | NR                                       | NR                                        | 26.2                                      | 28.2                                      | NR                                               |
| Fluoride                                      | NR                                       | NR                                       | NR                                        | .24                                       | -                                         | NR                                               |
| Nitrate                                       | NR                                       | NR                                       | NR                                        | 3.41                                      | 2.94                                      | NR                                               |
| Phosphorus                                    | NR                                       | NR                                       | NR                                        | NR                                        | NR                                        | NR                                               |
| Redox (mv)                                    | NR                                       | NR                                       | NR                                        | -70                                       | +275                                      | NR                                               |
| Sulfate                                       | NR                                       | NR                                       | NR                                        | 28.9                                      | 39.2                                      | NR                                               |
| Total dissolved solids                        | NR                                       | NR                                       | NR                                        | 178                                       | 182                                       | NR                                               |
| Total Cyanide                                 | 10                                       | NR                                       | NR                                        | NR                                        | NR                                        | NR                                               |
| Total recoverable phenolics                   | -                                        | NR                                       | NR                                        | NR                                        | NR                                        | NR                                               |
| formaldehyde                                  | NR                                       | NR                                       | NR                                        | NR                                        | NR                                        | 100                                              |

NR - Not run  
- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-4<br>(ORIG)<br>1 JUN 82<br>811053 | A-4<br>(ORIG)<br>28 SEP 83<br>832205 | A-5<br>(ORIG)<br>28 SEP 81<br>811054 | A-5<br>(ORIG)<br>4 NOV 81<br>811055 | A-5<br>(ORIG)<br>1 DEC 81<br>811056 | A-5<br>(ORIG)<br>27 JAN 82<br>811057 |
|-----------------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                      |                                      |                                     |                                     |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                      |                                      |                                     |                                     |                                      |
| phenol                                        | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                     |                                      |                                      |                                     |                                     |                                      |
| benzo(a)anthracene                            | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| benzo(a)pyrene                                | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| benzo(b)fluoranthene                          | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| diethylphthalate                              | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| fluoranthene                                  | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| pyrene                                        | NR                                  | NR                                   | -                                    | NR                                  | NR                                  | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| organic phosphate ester                       | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| VOLATILES (ppb)                               |                                     |                                      |                                      |                                     |                                     |                                      |
| 1,2-dichloropropane                           | NR                                  | 1                                    | -                                    | -                                   | -                                   | -                                    |
| methylene chloride                            | NR                                  | 10                                   | -                                    | -                                   | -                                   | -                                    |
| toluene                                       | NR                                  | -                                    | -                                    | 25                                  | 14                                  | -                                    |
| 1,1,1-trichloroethane                         | NR                                  | BM @1                                | -                                    | -                                   | -                                   | -                                    |
| 1,1,2-trichloroethane                         | NR                                  | -                                    | -                                    | -                                   | -                                   | -                                    |
| trichlorofluoromethane                        | NR                                  | 1                                    | -                                    | -                                   | -                                   | -                                    |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                      |                                      |                                     |                                     |                                      |
| Aldrin                                        | NR                                  | NR                                   | 0.11                                 | -                                   | NR                                  | NR                                   |
| delta-BHC                                     | NR                                  | NR                                   | 0.11                                 | -                                   | NR                                  | NR                                   |
| METALS (ppm)                                  |                                     |                                      |                                      |                                     |                                     |                                      |
| antimony                                      | NR                                  | -                                    | 0.4                                  | -                                   | -                                   | -                                    |
| arsenic                                       | NR                                  | -                                    | 0.0065                               | -                                   | -                                   | -                                    |
| cadmium                                       | NR                                  | -                                    | -                                    | -                                   | 0.009                               | -                                    |
| chromium                                      | NR                                  | -                                    | -                                    | -                                   | -                                   | -                                    |
| copper                                        | NR                                  | .012                                 | 0.012                                | -                                   | 0.010                               | -                                    |
| lead                                          | NR                                  | -                                    | -                                    | -                                   | 0.04                                | -                                    |
| mercury                                       | NR                                  | -                                    | -                                    | 0.0079                              | -                                   | -                                    |
| nickel                                        | NR                                  | -                                    | -                                    | -                                   | -                                   | .09                                  |
| selenium                                      | NR                                  | -                                    | -                                    | -                                   | 0.0081                              | -                                    |
| silver                                        | NR                                  | -                                    | 0.023                                | -                                   | -                                   | -                                    |
| thallium                                      | NR                                  | -                                    | -                                    | -                                   | -                                   | -                                    |
| zinc                                          | NR                                  | .080                                 | 1.02                                 | 0.007                               | -                                   | .012                                 |
| potassium                                     | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| silicon                                       | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| sodium                                        | NR                                  | NR                                   | NR                                   | NR                                  | 15.71                               | NR                                   |
| barium                                        | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |
| calcium                                       | NR                                  | NR                                   | NR                                   | NR                                  | 47.24                               | NR                                   |
| magnesium                                     | NR                                  | NR                                   | NR                                   | NR                                  | NR                                  | NR                                   |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| COMPOUNDS (UNIT)             | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-4<br>(ORIG)      | A-4<br>(ORIG)       | A-5<br>(ORIG)       | A-5<br>(ORIG)      | A-5<br>(ORIG)      | A-5<br>(ORIG)       | A-5<br>(ORIG) |
|------------------------------|-----------------------------------------------|--------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------|
|                              |                                               | 1 JUN 82<br>811053 | 28 SEP 83<br>832205 | 28 SEP 81<br>811054 | 4 NOV 81<br>811055 | 1 DEC 81<br>811056 | 27 JAN 82<br>811057 |               |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                    |                     |                     |                    |                    |                     |               |
| Alkalinity                   |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Bicarbonate                  |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Chloride                     |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Fluoride                     |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Nitrate                      |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Phosphorus                   |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Redox (mv)                   |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Sulfate                      |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Total dissolved solids       |                                               | NR                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |
| Total Cyanide                |                                               | NR                 | NR                  | 18                  | NR                 | -                  | NR                  | NR            |
| Total recoverable phenolics  |                                               | NR                 | NR                  | -                   | NR                 | -                  | NR                  | NR            |
| formaldehyde                 |                                               | 30                 | NR                  | NR                  | NR                 | NR                 | NR                  | NR            |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-5<br>(ORIG)<br>3 MAR 82<br>811058<br>- | A-5<br>(ORIG)<br>10 MAR 82<br>811059<br>- | A-5<br>(ORIG)<br>21 APR 82<br>811060<br>(by ERG) | A-5<br>(ORIG)<br>27 SEP 83<br>832204<br>- | A-6<br>(ORIG)<br>5 OCT 81<br>811061<br>- | A-6<br>(ORIG)<br>4 NOV 81<br>811062<br>- |
|-----------------------------------------------|------------------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                           |                                                  |                                           |                                          |                                          |
| ACIDS/PHENOLICS (ppb)                         |                                          |                                           |                                                  |                                           |                                          |                                          |
| phenol                                        | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| BASE/NEUTRALS (ppb)                           |                                          |                                           |                                                  |                                           |                                          |                                          |
| benzo(a)anthracene                            | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| benzo(a)pyrene                                | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| benzo(b)fluoranthene                          | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| diethylphthalate                              | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| fluoranthene                                  | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| pyrene                                        | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| organic phosphate ester                       | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| VOLATILES (ppb)                               |                                          |                                           |                                                  |                                           |                                          |                                          |
| 1,2-dichloropropane                           | NR                                       | NR                                        | -                                                | -                                         | -                                        | -                                        |
| methylene chloride                            | NR                                       | NR                                        | -                                                | -                                         | -                                        | -                                        |
| toluene                                       | NR                                       | NR                                        | -                                                | 2                                         | -                                        | BM @10                                   |
| 1,1,1-trichloroethane                         | NR                                       | NR                                        | -                                                | -                                         | -                                        | -                                        |
| 1,1,2-trichloroethane                         | NR                                       | NR                                        | -                                                | -                                         | -                                        | -                                        |
| trichlorofluoromethane                        | NR                                       | NR                                        | -                                                | 8                                         | -                                        | -                                        |
| PESTICIDES/PCB'S (ppb)                        |                                          |                                           |                                                  |                                           |                                          |                                          |
| Aldrin                                        | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| delta-BHC                                     | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| METALS (ppm)                                  |                                          |                                           |                                                  |                                           |                                          |                                          |
| antimony                                      | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| arsenic                                       | -                                        | -                                         | NR                                               | .006                                      | NR                                       | NR                                       |
| cadmium                                       | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| chromium                                      | -                                        | -                                         | NR                                               | BM @.010                                  | NR                                       | NR                                       |
| copper                                        | -                                        | -                                         | NR                                               | BM @.010                                  | NR                                       | NR                                       |
| lead                                          | -                                        | -                                         | NR                                               | BM @.013                                  | NR                                       | NR                                       |
| mercury                                       | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| nickel                                        | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| selenium                                      | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| silver                                        | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| thallium                                      | -                                        | -                                         | NR                                               | -                                         | NR                                       | NR                                       |
| zinc                                          | -                                        | -                                         | NR                                               | .060                                      | NR                                       | NR                                       |
| potassium                                     | 22.4                                     | 8.8                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| silicon                                       | NR                                       | 3.9                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| sodium                                        | 21.0                                     | 12.7                                      | NR                                               | NR                                        | NR                                       | NR                                       |
| barium                                        | BM @0.1                                  | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| calcium                                       | 73.2                                     | 11.1                                      | NR                                               | NR                                        | NR                                       | NR                                       |
| magnesium                                     | 5.68                                     | 5.95                                      | NR                                               | NR                                        | NR                                       | NR                                       |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-5<br>(ORIG)<br>3 MAR 82<br>811058<br>- | A-5<br>(ORIG)<br>10 MAR 82<br>811059<br>- | A-5<br>(ORIG)<br>21 APR 82<br>811060<br>(by ERG) | A-5<br>(ORIG)<br>27 SEP 83<br>832204<br>- | A-6<br>(ORIG)<br>5 OCT 81<br>811061<br>- | A-6<br>(ORIG)<br>4 NOV 81<br>811062<br>- |
|-----------------------------------------------|------------------------------------------|-------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                           |                                                  |                                           |                                          |                                          |
| -----                                         |                                          |                                           |                                                  |                                           |                                          |                                          |
| MISCELLANEOUS ANALYSES (ppb)                  |                                          |                                           |                                                  |                                           |                                          |                                          |
| Alkalinity                                    | 74                                       | 78                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| Bicarbonate                                   | NR                                       | 205                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| Chloride                                      | NR                                       | 20.1                                      | NR                                               | NR                                        | NR                                       | NR                                       |
| Fluoride                                      | NR                                       | .12                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| Nitrate                                       | NR                                       | -                                         | NR                                               | NR                                        | NR                                       | NR                                       |
| Phosphorus                                    | NR                                       | NR                                        | NR                                               | NR                                        | NR                                       | NR                                       |
| Redox (mv)                                    | NR                                       | +40                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| Sulfate                                       | NR                                       | 61.3                                      | NR                                               | NR                                        | NR                                       | NR                                       |
| Total dissolved solids                        | NR                                       | 129                                       | NR                                               | NR                                        | NR                                       | NR                                       |
| Total Cyanide                                 | NR                                       | NR                                        | NR                                               | NR                                        | -                                        | NR                                       |
| Total recoverable phenolics                   | NR                                       | NR                                        | NR                                               | NR                                        | -                                        | NR                                       |
| formaldehyde                                  | NR                                       | NR                                        | -                                                | NR                                        | NR                                       | NR                                       |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>1 DEC 81<br>811063 | A-6<br>(ORIG)<br>10 MAR 82<br>811064 | A-6<br>(ORIG)<br>11 MAR 82<br>811065 | A-6<br>(ORIG)<br>11 MAR 82<br>811421 | A-6<br>(ORIG)<br>11 MAR 82<br>811422 | A-6<br>(ORIG)<br>11 MAR 82<br>811423 |
|-----------------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                      |                                      |                                      |                                      |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                      |                                      |                                      |                                      |                                      |
| phenol                                        | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                     |                                      |                                      |                                      |                                      |                                      |
| benzo(a)anthracene                            | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| benzo(a)pyrene                                | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| benzo(b)fluoranthene                          | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| diethylphthalate                              | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| fluoranthene                                  | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| pyrene                                        | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| organic phosphate ester                       | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| VOLATILES (ppb)                               |                                     |                                      |                                      |                                      |                                      |                                      |
| 1,2-dichloropropane                           | -                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| methylene chloride                            | -                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| toluene                                       | -                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| 1,1,1-trichloroethane                         | BM @10                              | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| 1,1,2-trichloroethane                         | -                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| trichlorofluoromethane                        | -                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                      |                                      |                                      |                                      |                                      |
| Aldrin                                        | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| delta-BHC                                     | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| METALS (ppm)                                  |                                     |                                      |                                      |                                      |                                      |                                      |
| antimony                                      | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| arsenic                                       | -                                   | -                                    | BM @.2                               | NR                                   | BM @.2                               | NR                                   |
| cadmium                                       | 0.009                               | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| chromium                                      | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| copper                                        | 0.006                               | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| lead                                          | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| mercury                                       | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| nickel                                        | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| selenium                                      | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| silver                                        | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| thallium                                      | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| zinc                                          | -                                   | -                                    | -                                    | NR                                   | -                                    | NR                                   |
| potassium                                     | NR                                  | 47.5                                 | 1.42                                 | NR                                   | 1.71                                 | NR                                   |
| silicon                                       | NR                                  | 4.2                                  | NR                                   | NR                                   | NR                                   | NR                                   |
| sodium                                        | NR                                  | 42.5                                 | BM @.091                             | NR                                   | NR                                   | NR                                   |
| barium                                        | NR                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   |
| calcium                                       | NR                                  | 6.9                                  | 43                                   | NR                                   | 93                                   | NR                                   |
| magnesium                                     | NR                                  | 6.53                                 | 19.09                                | NR                                   | 14.63                                | NR                                   |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>1 DEC 81<br>811063<br>- | A-6<br>(ORIG)<br>10 MAR 82<br>811064<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811065<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811421<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811422<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811423<br>- |
|------------------------------|-----------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                          |                                           |                                           |                                           |                                           |                                           |
| -----                        |                                               |                                          |                                           |                                           |                                           |                                           |                                           |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                          |                                           |                                           |                                           |                                           |                                           |
| Alkalinity                   |                                               | NR                                       | 180                                       | NR                                        | NR                                        | NR                                        | NR                                        |
| Bicarbonate                  |                                               | NR                                       | 332                                       | NR                                        | NR                                        | NR                                        | NR                                        |
| Chloride                     |                                               | NR                                       | 53.4                                      | NR                                        | NR                                        | NR                                        | NR                                        |
| Fluoride                     |                                               | NR                                       | .13                                       | NR                                        | NR                                        | NR                                        | NR                                        |
| Nitrate                      |                                               | NR                                       | 1.86                                      | NR                                        | NR                                        | NR                                        | NR                                        |
| Phosphorus                   |                                               | NR                                       | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Redox (mv)                   |                                               | NR                                       | -40                                       | NR                                        | NR                                        | NR                                        | NR                                        |
| Sulfate                      |                                               | NR                                       | 61.3                                      | NR                                        | NR                                        | NR                                        | NR                                        |
| Total dissolved solids       |                                               | NR                                       | 275                                       | NR                                        | NR                                        | NR                                        | NR                                        |
| Total Cyanide                |                                               | -                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Total recoverable phenolics  |                                               | 10                                       | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| formaldehyde                 |                                               | NR                                       | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>11 MAR 82<br>811424 | A-6<br>(ORIG)<br>11 MAR 82<br>811425 | A-6<br>(ORIG)<br>11 MAR 82<br>811426 | A-6<br>(ORIG)<br>11 MAR 82<br>811427 | A-6<br>(ORIG)<br>17 MAR 82<br>811066 | A-6<br>(ORIG)<br>21 APR 82<br>811067<br>(by ERG) |
|-----------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------|
| COMPOUNDS (UNIT)                              |                                      |                                      |                                      |                                      |                                      |                                                  |
| ACIDS/PHENOLICS (ppb)                         |                                      |                                      |                                      |                                      |                                      |                                                  |
| phenol                                        | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| BASE/NEUTRALS (ppb)                           |                                      |                                      |                                      |                                      |                                      |                                                  |
| benzo(a)anthracene                            | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| benzo(a)pyrene                                | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| benzo(b)fluoranthene                          | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| diethylphthalate                              | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| fluoranthene                                  | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| pyrene                                        | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| organic phosphate ester                       | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| VOLATILES (ppb)                               |                                      |                                      |                                      |                                      |                                      |                                                  |
| 1,2-dichloropropane                           | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| methylene chloride                            | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| toluene                                       | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| 1,1,1-trichloroethane                         | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | 11                                               |
| 1,1,2-trichloroethane                         | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| trichlorofluoromethane                        | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | -                                                |
| PESTICIDES/PCB'S (ppb)                        |                                      |                                      |                                      |                                      |                                      |                                                  |
| Aldrin                                        | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| delta-BHC                                     | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| METALS (ppm)                                  |                                      |                                      |                                      |                                      |                                      |                                                  |
| antimony                                      | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| arsenic                                       | BM @.2                               | NR                                   | BM @.2                               | BM @.2                               | NR                                   | NR                                               |
| cadmium                                       | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| chromium                                      | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| copper                                        | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| lead                                          | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| mercury                                       | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| nickel                                        | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| selenium                                      | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| silver                                        | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| thallium                                      | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| zinc                                          | -                                    | NR                                   | -                                    | -                                    | NR                                   | NR                                               |
| potassium                                     | 1.57                                 | NR                                   | 1.34                                 | 1.14                                 | NR                                   | NR                                               |
| silicon                                       | NR                                   | NR                                   | NR                                   | 6.2                                  | NR                                   | NR                                               |
| sodium                                        | NR                                   | NR                                   | BM @.168                             | NR                                   | NR                                   | NR                                               |
| barium                                        | NR                                   | NR                                   | NR                                   | NR                                   | NR                                   | NR                                               |
| calcium                                       | 95                                   | NR                                   | 104                                  | 99                                   | NR                                   | NR                                               |
| magnesium                                     | 14.64                                | NR                                   | 14.56                                | 6.48                                 | NR                                   | NR                                               |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>11 MAR 82<br>811424<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811425<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811426<br>- | A-6<br>(ORIG)<br>11 MAR 82<br>811427<br>- | A-6<br>(ORIG)<br>17 MAR 82<br>811066<br>- | A-6<br>(ORIG)<br>21 APR 82<br>811067<br>(by ERG) |
|-----------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------------|
| COMPOUNDS (UNIT)                              |                                           |                                           |                                           |                                           |                                           |                                                  |
| -----                                         |                                           |                                           |                                           |                                           |                                           |                                                  |
| MISCELLANEOUS ANALYSES (ppb)                  |                                           |                                           |                                           |                                           |                                           |                                                  |
| Alkalinity                                    | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Bicarbonate                                   | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Chloride                                      | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Fluoride                                      | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Nitrate                                       | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Phosphorus                                    | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Redox (mv)                                    | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Sulfate                                       | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Total dissolved solids                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Total Cyanide                                 | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| Total recoverable phenolics                   | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                               |
| formaldehyde                                  | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | 100                                              |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>1 JUN 82<br>811068 | A-7<br>(ORIG)<br>5 OCT 81<br>811069 | A-7<br>(ORIG)<br>4 NOV 81<br>811070 | A-7<br>(ORIG)<br>1 DEC 81<br>811071 | A-7<br>(ORIG)<br>9 DEC 81<br>811072 | A-7<br>(ORIG)<br>10 MAR 82<br>811073 |
|-----------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                     |                                     |                                     |                                     |                                     |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                     |                                     |                                     |                                     |                                     |                                      |
| phenol                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                     |                                     |                                     |                                     |                                     |                                      |
| benzo(a)anthracene                            | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| benzo(a)pyrene                                | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| benzo(b)fluoranthene                          | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| diethylphthalate                              | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| fluoranthene                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| pyrene                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| organic phosphate ester                       | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| VOLATILES (ppb)                               |                                     |                                     |                                     |                                     |                                     |                                      |
| 1,2-dichloropropane                           | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| methylene chloride                            | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| toluene                                       | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| 1,1,1-trichloroethane                         | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| 1,1,2-trichloroethane                         | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| trichlorofluoromethane                        | NR                                  | -                                   | -                                   | -                                   | NR                                  | NR                                   |
| PESTICIDES/PCB'S (ppb)                        |                                     |                                     |                                     |                                     |                                     |                                      |
| Aldrin                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| delta-BHC                                     | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| METALS (ppm)                                  |                                     |                                     |                                     |                                     |                                     |                                      |
| antimony                                      | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| arsenic                                       | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| cadmium                                       | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| chromium                                      | NR                                  | NR                                  | NR                                  | 0.012                               | -                                   | -                                    |
| copper                                        | NR                                  | NR                                  | NR                                  | 0.012                               | -                                   | -                                    |
| lead                                          | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| mercury                                       | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| nickel                                        | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| selenium                                      | NR                                  | NR                                  | NR                                  | 0.025                               | -                                   | -                                    |
| silver                                        | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| thallium                                      | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| zinc                                          | NR                                  | NR                                  | NR                                  | -                                   | -                                   | -                                    |
| potassium                                     | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | 2.7                                  |
| silicon                                       | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | 6.2                                  |
| sodium                                        | NR                                  | NR                                  | NR                                  | NR                                  | 15.12                               | 9.5                                  |
| barium                                        | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | NR                                   |
| calcium                                       | NR                                  | NR                                  | NR                                  | NR                                  | 24.90                               | 71.7                                 |
| magnesium                                     | NR                                  | NR                                  | NR                                  | NR                                  | NR                                  | 12.51                                |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-6<br>(ORIG)<br>1 JUN 82<br>811068<br>- | A-7<br>(ORIG)<br>5 OCT 81<br>811069<br>- | A-7<br>(ORIG)<br>4 NOV 81<br>811070<br>- | A-7<br>(ORIG)<br>1 DEC 81<br>811071<br>- | A-7<br>(ORIG)<br>9 DEC 81<br>811072<br>- | A-7<br>(ORIG)<br>10 MAR 82<br>811073<br>- |
|-----------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                          |                                          |                                          |                                          |                                           |
| MISCELLANEOUS ANALYSES (ppb)                  |                                          |                                          |                                          |                                          |                                          |                                           |
| Alkalinity                                    | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 144                                       |
| Bicarbonate                                   | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 188                                       |
| Chloride                                      | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 37.2                                      |
| Fluoride                                      | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | BM @.10                                   |
| Nitrate                                       | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 3.45                                      |
| Phosphorus                                    | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | NR                                        |
| Redox (mv)                                    | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | -30                                       |
| Sulfate                                       | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 69.2                                      |
| Total dissolved solids                        | NR                                       | NR                                       | NR                                       | NR                                       | NR                                       | 308                                       |
| Total Cyanide                                 | NR                                       | -                                        | NR                                       | -                                        | NR                                       | NR                                        |
| Total recoverable phenolics                   | NR                                       | -                                        | NR                                       | -                                        | NR                                       | NR                                        |
| formaldehyde                                  | 40                                       | NR                                       | NR                                       | NR                                       | NR                                       | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-7<br>(ORIG)<br>21 APR 82<br>811074<br>(by ERG) | A-7<br>(ORIG)<br>27 SEP 83<br>832203<br>- | A-8<br>(ORIG)<br>5 OCT 81<br>811075<br>- | A-8<br>(DRIG)<br>4 NOV 81<br>811076<br>- | A-8<br>(ORIG)<br>27 JAN 82<br>811077<br>- | A-8<br>(ORIG)<br>10 MAR 82<br>811078<br>- |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                                  |                                           |                                          |                                          |                                           |                                           |
| ACIDS/PHENOLICS (ppb)                         |                                                  |                                           |                                          |                                          |                                           |                                           |
| phenol                                        | NR                                               | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| BASE/NEUTRALS (ppb)                           |                                                  |                                           |                                          |                                          |                                           |                                           |
| benzo(a)anthracene                            | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| benzo(a)pyrene                                | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| benzo(b)fluoranthene                          | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| diethylphthalate                              | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| fluoranthene                                  | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| pyrene                                        | -                                                | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| organic phosphate ester                       | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| VOLATILES (ppb)                               |                                                  |                                           |                                          |                                          |                                           |                                           |
| 1,2-dichloropropane                           | NR                                               | -                                         | -                                        | -                                        | -                                         | NR                                        |
| methylene chloride                            | NR                                               | -                                         | -                                        | -                                        | -                                         | NR                                        |
| toluene                                       | NR                                               | 3                                         | -                                        | -                                        | -                                         | NR                                        |
| 1,1,1-trichloroethane                         | NR                                               | -                                         | -                                        | -                                        | -                                         | NR                                        |
| 1,1,2-trichloroethane                         | NR                                               | 1                                         | -                                        | -                                        | -                                         | NR                                        |
| trichlorofluoromethane                        | NR                                               | 6                                         | -                                        | -                                        | -                                         | NR                                        |
| PESTICIDES/PCB'S (ppb)                        |                                                  |                                           |                                          |                                          |                                           |                                           |
| Aldrin                                        | NR                                               | NR                                        | -                                        | NR                                       | NR                                        | NR                                        |
| delta-BHC                                     | NR                                               | NR                                        | 0.03                                     | NR                                       | NR                                        | NR                                        |
| METALS (ppm)                                  |                                                  |                                           |                                          |                                          |                                           |                                           |
| antimony                                      | NR                                               | -                                         | 2.1                                      | -                                        | -                                         | -                                         |
| arsenic                                       | NR                                               | BM @.003                                  | -                                        | -                                        | -                                         | -                                         |
| cadmium                                       | NR                                               | -                                         | -                                        | -                                        | -                                         | -                                         |
| chromium                                      | NR                                               | -                                         | 0.008                                    | -                                        | -                                         | -                                         |
| copper                                        | NR                                               | BM @.010                                  | -                                        | -                                        | -                                         | -                                         |
| lead                                          | NR                                               | .007                                      | -                                        | -                                        | -                                         | -                                         |
| mercury                                       | NR                                               | -                                         | -                                        | -                                        | -                                         | -                                         |
| nickel                                        | NR                                               | -                                         | -                                        | -                                        | 0.04                                      | -                                         |
| selenium                                      | NR                                               | BM @.004                                  | 0.036                                    | -                                        | -                                         | -                                         |
| silver                                        | NR                                               | -                                         | 0.020                                    | -                                        | -                                         | -                                         |
| thallium                                      | NR                                               | BM @.007                                  | -                                        | -                                        | -                                         | -                                         |
| zinc                                          | NR                                               | .100                                      | 0.023                                    | 0.011                                    | -                                         | -                                         |
| potassium                                     | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 2.2                                       |
| silicon                                       | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 2.2                                       |
| sodium                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 9.8                                       |
| barium                                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| calcium                                       | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 62.8                                      |
| magnesium                                     | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 10.88                                     |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-7<br>(ORIG)<br>21 APR 82<br>811074<br>(by ERG) | A-7<br>(ORIG)<br>27 SEP 83<br>832203<br>- | A-8<br>(ORIG)<br>5 OCT 81<br>811075<br>- | A-8<br>(ORIG)<br>4 NOV 81<br>811076<br>- | A-8<br>(ORIG)<br>27 JAN 82<br>811077<br>- | A-8<br>(ORIG)<br>10 MAR 82<br>811078<br>- |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                                  |                                           |                                          |                                          |                                           |                                           |
| MISCELLANEOUS ANALYSES (ppb)                  |                                                  |                                           |                                          |                                          |                                           |                                           |
| Alkalinity                                    | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 224                                       |
| Bicarbonate                                   | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 173                                       |
| Chloride                                      | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 28.2                                      |
| Fluoride                                      | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | BM @.10                                   |
| Nitrate                                       | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 3.74                                      |
| Phosphorus                                    | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| Redox (mv)                                    | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | +90                                       |
| Sulfate                                       | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | 38.0                                      |
| Total dissolved solids                        | NR                                               | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |
| Total Cyanide                                 | NR                                               | NR                                        | 12                                       | NR                                       | NR                                        | NR                                        |
| Total recoverable phenolics                   | NR                                               | NR                                        | 50                                       | NR                                       | NR                                        | NR                                        |
| formaldehyde                                  | -                                                | NR                                        | NR                                       | NR                                       | NR                                        | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-8<br>(ORIG)<br>21 APR 82<br>811079<br>(by ERG) | A-8<br>(ORIG)<br>11 JUN 82<br>811080<br>- | A-8<br>(ORIG)<br>27 SEP 83<br>832202<br>- | A-9<br>(ORIG)<br>15 DEC 81<br>811081<br>- | A-9<br>(ORIG)<br>3 MAR 82<br>811082<br>- | A-9<br>(ORIG)<br>10 MAR 82<br>811083<br>- |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                                  |                                           |                                           |                                           |                                          |                                           |
| ACIDS/PHENOLICS (ppb)                         |                                                  |                                           |                                           |                                           |                                          |                                           |
| phenol                                        | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| BASE/NEUTRALS (ppb)                           |                                                  |                                           |                                           |                                           |                                          |                                           |
| benzo(a)anthracene                            | -                                                | NR                                        | -                                         | NR                                        | NR                                       | NR                                        |
| benzo(a)pyrene                                | -                                                | NR                                        | -                                         | NR                                        | NR                                       | NR                                        |
| benzo(b)fluoranthene                          | -                                                | NR                                        | 2                                         | NR                                        | NR                                       | NR                                        |
| diethylphthalate                              | -                                                | NR                                        | -                                         | NR                                        | NR                                       | NR                                        |
| fluoranthene                                  | -                                                | NR                                        | -                                         | NR                                        | NR                                       | NR                                        |
| pyrene                                        | -                                                | NR                                        | -                                         | NR                                        | NR                                       | NR                                        |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| organic phosphate ester                       | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| VOLATILES (ppb)                               |                                                  |                                           |                                           |                                           |                                          |                                           |
| 1,2-dichloropropane                           | NR                                               | NR                                        | BM @1                                     | -                                         | -                                        | NR                                        |
| methylene chloride                            | NR                                               | NR                                        | BM @1                                     | -                                         | -                                        | NR                                        |
| toluene                                       | NR                                               | NR                                        | BM @1                                     | BM @10                                    | -                                        | NR                                        |
| 1,1,1-trichloroethane                         | NR                                               | NR                                        | -                                         | -                                         | -                                        | NR                                        |
| 1,1,2-trichloroethane                         | NR                                               | NR                                        | -                                         | -                                         | -                                        | NR                                        |
| trichlorofluoromethane                        | NR                                               | NR                                        | 6                                         | -                                         | -                                        | NR                                        |
| PESTICIDES/PCB'S (ppb)                        |                                                  |                                           |                                           |                                           |                                          |                                           |
| Aldrin                                        | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| delta-BHC                                     | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| METALS (ppm)                                  |                                                  |                                           |                                           |                                           |                                          |                                           |
| antimony                                      | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| arsenic                                       | NR                                               | NR                                        | BM @.003                                  | -                                         | -                                        | -                                         |
| cadmium                                       | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| chromium                                      | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| copper                                        | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| lead                                          | NR                                               | NR                                        | BM @.006                                  | -                                         | -                                        | -                                         |
| mercury                                       | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| nickel                                        | NR                                               | NR                                        | BM @.010                                  | -                                         | -                                        | -                                         |
| selenium                                      | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| silver                                        | NR                                               | NR                                        | -                                         | 0.017                                     | -                                        | -                                         |
| thallium                                      | NR                                               | NR                                        | -                                         | -                                         | -                                        | -                                         |
| zinc                                          | NR                                               | NR                                        | .050                                      | -                                         | -                                        | -                                         |
| potassium                                     | NR                                               | NR                                        | NR                                        | NR                                        | 39.4                                     | 29.0                                      |
| silicon                                       | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | 10.7                                      |
| sodium                                        | NR                                               | NR                                        | NR                                        | NR                                        | 71.3                                     | 69.1                                      |
| barium                                        | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| calcium                                       | NR                                               | NR                                        | NR                                        | NR                                        | 250.9                                    | 11.9                                      |
| magnesium                                     | NR                                               | NR                                        | NR                                        | NR                                        | 23.0                                     | .26                                       |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-8<br>(ORIG)<br>21 APR 82<br>811079<br>(by ERG) | A-8<br>(ORIG)<br>11 JUN 82<br>811080<br>- | A-8<br>(ORIG)<br>27 SEP 83<br>832202<br>- | A-9<br>(ORIG)<br>15 DEC 81<br>811081<br>- | A-9<br>(ORIG)<br>3 MAR 82<br>811082<br>- | A-9<br>(ORIG)<br>10 MAR 82<br>811083<br>- |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)                              |                                                  |                                           |                                           |                                           |                                          |                                           |
| MISCELLANEOUS ANALYSES (ppb)                  |                                                  |                                           |                                           |                                           |                                          |                                           |
| Alkalinity                                    | NR                                               | NR                                        | NR                                        | NR                                        | 518                                      | 314                                       |
| Bicarbonate                                   | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | 264                                       |
| Chloride                                      | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | 56.4                                      |
| Fluoride                                      | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | .34                                       |
| Nitrate                                       | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | .16                                       |
| Phosphorus                                    | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | NR                                        |
| Redox (mv)                                    | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | -10                                       |
| Sulfate                                       | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | 81.4                                      |
| Total dissolved solids                        | NR                                               | NR                                        | NR                                        | NR                                        | NR                                       | 256                                       |
| Total Cyanide                                 | NR                                               | NR                                        | NR                                        | -                                         | NR                                       | NR                                        |
| Total recoverable phenolics                   | NR                                               | NR                                        | NR                                        | -                                         | NR                                       | NR                                        |
| formaldehyde                                  | 100                                              | 110                                       | NR                                        | NR                                        | NR                                       | NR                                        |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-9<br>(ORIG)<br>11 MAR 82<br>811084 | A-9<br>(ORIG)<br>11 MAR 82<br>811428 | A-9<br>(ORIG)<br>11 MAR 82<br>811429 | A-9<br>(ORIG)<br>15 MAR 82<br>811085<br>0 | A-9<br>(REPL)<br>15 MAR 82<br>811085<br>0 | A-9<br>(ORIG)<br>17 MAR 82<br>811086 |
|-----------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------|
| COMPOUNDS (UNIT)                              |                                      |                                      |                                      |                                           |                                           |                                      |
| ACIDS/PHENOLICS (ppb)                         |                                      |                                      |                                      |                                           |                                           |                                      |
| phenol                                        | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| BASE/NEUTRALS (ppb)                           |                                      |                                      |                                      |                                           |                                           |                                      |
| benzo(a)anthracene                            | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| benzo(a)pyrene                                | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| benzo(b)fluoranthene                          | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| diethylphthalate                              | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| fluoranthene                                  | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| pyrene                                        | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| organic phosphate ester                       | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| VOLATILES (ppb)                               |                                      |                                      |                                      |                                           |                                           |                                      |
| 1,2-dichloropropane                           | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| methylene chloride                            | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| toluene                                       | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| 1,1,1-trichloroethane                         | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| 1,1,2-trichloroethane                         | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| trichlorofluoromethane                        | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| PESTICIDES/PCB'S (ppb)                        |                                      |                                      |                                      |                                           |                                           |                                      |
| Aldrin                                        | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| delta-BHC                                     | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| METALS (ppm)                                  |                                      |                                      |                                      |                                           |                                           |                                      |
| antimony                                      | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| arsenic                                       | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| cadmium                                       | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| chromium                                      | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| copper                                        | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| lead                                          | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| mercury                                       | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| nickel                                        | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| selenium                                      | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| silver                                        | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| thallium                                      | NR                                   | NR                                   | -                                    | -                                         | -                                         | -                                    |
| zinc                                          | NR                                   | NR                                   | -                                    | -                                         | -                                         | 0.049                                |
| potassium                                     | NR                                   | NR                                   | 24.8                                 | 10.53                                     | 11.6                                      | 4.90                                 |
| silicon                                       | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| sodium                                        | NR                                   | NR                                   | .016                                 | 9.96                                      | 11.02                                     | NR                                   |
| barium                                        | NR                                   | NR                                   | NR                                   | NR                                        | NR                                        | NR                                   |
| calcium                                       | NR                                   | NR                                   | 19.0                                 | 32.0                                      | 23.0                                      | NR                                   |
| magnesium                                     | NR                                   | NR                                   | .33                                  | NR                                        | NR                                        | NR                                   |

NR - Not run  
- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-9<br>(ORIG)<br>11 MAR 82<br>811084<br>- | A-9<br>(ORIG)<br>11 MAR 82<br>811428<br>- | A-9<br>(ORIG)<br>11 MAR 82<br>811429<br>- | A-9<br>(ORIG)<br>15 MAR 82<br>811085<br>0 | A-9<br>(REPL)<br>15 MAR 82<br>811085<br>0 | A-9<br>(ORIG)<br>17 MAR 82<br>811086<br>- |
|------------------------------|-----------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                           |                                           |                                           |                                           |                                           |                                           |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                           |                                           |                                           |                                           |                                           |                                           |
| Alkalinity                   |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Bicarbonate                  |                                               | NR                                        | NR                                        | 459                                       | NR                                        | NR                                        | NR                                        |
| Chloride                     |                                               | NR                                        | NR                                        | 10.1                                      | NR                                        | NR                                        | NR                                        |
| Fluoride                     |                                               | NR                                        | NR                                        | .26                                       | NR                                        | NR                                        | NR                                        |
| Nitrate                      |                                               | NR                                        | NR                                        | .68                                       | NR                                        | NR                                        | NR                                        |
| Phosphorus                   |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Redox (mv)                   |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Sulfate                      |                                               | NR                                        | NR                                        | 83.0                                      | NR                                        | NR                                        | NR                                        |
| Total dissolved solids       |                                               | NR                                        | NR                                        | 210                                       | NR                                        | NR                                        | NR                                        |
| Total Cyanide                |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| Total recoverable phenolics  |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |
| formaldehyde                 |                                               | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        | NR                                        |

NR - Not run

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-9<br>(ORIG)<br>21 APR 82<br>811087<br>(by ERG) | A2-DW<br>(ORIG)<br>16 SEP 81<br>811088<br>- | CEMENT-SUP<br>(ORIG)<br>16 APR 82<br>811096<br>- | DRINK-H2O<br>(ORIG)<br>3 MAR 82<br>811093<br>- | DRINK-H2O<br>(ORIG)<br>10 MAR 82<br>811094<br>- | DRINK-H2O<br>(ORIG)<br>1 JUN 82<br>811095<br>- |
|-----------------------------------------------|--------------------------------------------------|---------------------------------------------|--------------------------------------------------|------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| COMPOUNDS (UNIT)                              |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| ACIDS/PHENOLICS (ppb)                         |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| phenol                                        | NR                                               | NR                                          | -                                                | NR                                             | NR                                              | NR                                             |
| BASE/NEUTRALS (ppb)                           |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| benzo(a)anthracene                            | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| benzo(a)pyrene                                | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| benzo(b)fluoranthene                          | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| diethylphthalate                              | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| fluoranthene                                  | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| pyrene                                        | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | 5                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | 4                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| organic phosphate ester                       | 1                                                | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| VOLATILES (ppb)                               |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| 1,2-dichloropropane                           | -                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| methylene chloride                            | -                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| toluene                                       | 2                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| 1,1,1-trichloroethane                         | -                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| 1,1,2-trichloroethane                         | -                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| trichlorofluoromethane                        | -                                                | -                                           | -                                                | NR                                             | NR                                              | NR                                             |
| PESTICIDES/PCB'S (ppb)                        |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| Aldrin                                        | NR                                               | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| delta-BHC                                     | NR                                               | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| METALS (ppm)                                  |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| antimony                                      | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| arsenic                                       | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| cadmium                                       | NR                                               | NR                                          | 0.006                                            | -                                              | -                                               | NR                                             |
| chromium                                      | NR                                               | NR                                          | 1.3                                              | -                                              | -                                               | NR                                             |
| copper                                        | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| lead                                          | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| mercury                                       | NR                                               | NR                                          | 0.0017                                           | -                                              | -                                               | NR                                             |
| nickel                                        | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| selenium                                      | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| silver                                        | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| thallium                                      | NR                                               | NR                                          | -                                                | -                                              | -                                               | NR                                             |
| zinc                                          | NR                                               | NR                                          | 0.050                                            | -                                              | -                                               | NR                                             |
| potassium                                     | NR                                               | NR                                          | NR                                               | 0.91                                           | 1.4                                             | NR                                             |
| silicon                                       | NR                                               | NR                                          | NR                                               | NR                                             | 5.1                                             | NR                                             |
| sodium                                        | NR                                               | NR                                          | NR                                               | 15.8                                           | 12.8                                            | NR                                             |
| barium                                        | NR                                               | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| calcium                                       | NR                                               | NR                                          | NR                                               | 107.2                                          | 76.9                                            | NR                                             |
| magnesium                                     | NR                                               | NR                                          | NR                                               | 12.54                                          | 13.94                                           | NR                                             |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | A-9<br>(ORIG)<br>21 APR 82<br>811087<br>(by ERG) | A2-DW<br>(ORIG)<br>16 SEP 81<br>811088<br>- | CEMENT-SUP<br>(ORIG)<br>16 APR 82<br>811096<br>- | DRINK-H2O<br>(ORIG)<br>3 MAR 82<br>811093<br>- | DRINK-H2O<br>(ORIG)<br>10 MAR 82<br>811094<br>- | DRINK-H2O<br>(ORIG)<br>1 JUN 82<br>811095<br>- |
|------------------------------|-----------------------------------------------|--------------------------------------------------|---------------------------------------------|--------------------------------------------------|------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| -----                        |                                               |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                                  |                                             |                                                  |                                                |                                                 |                                                |
| Alkalinity                   |                                               | NR                                               | NR                                          | NR                                               | 164                                            | 167                                             | NR                                             |
| Bicarbonate                  |                                               | NR                                               | NR                                          | NR                                               | NR                                             | 198                                             | NR                                             |
| Chloride                     |                                               | NR                                               | NR                                          | NR                                               | NR                                             | 48.3                                            | NR                                             |
| Fluoride                     |                                               | NR                                               | NR                                          | NR                                               | NR                                             | BM @0.10                                        | NR                                             |
| Nitrate                      |                                               | NR                                               | NR                                          | NR                                               | NR                                             | 3.31                                            | NR                                             |
| Phosphorus                   |                                               | NR                                               | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| Redox (mv)                   |                                               | NR                                               | NR                                          | NR                                               | NR                                             | +50                                             | NR                                             |
| Sulfate                      |                                               | NR                                               | NR                                          | NR                                               | NR                                             | 62.2                                            | NR                                             |
| Total dissolved solids       |                                               | NR                                               | NR                                          | NR                                               | NR                                             | 234                                             | NR                                             |
| Total Cyanide                |                                               | NR                                               | NR                                          | -                                                | NR                                             | NR                                              | NR                                             |
| Total recoverable phenolics  |                                               | NR                                               | NR                                          | NR                                               | NR                                             | NR                                              | NR                                             |
| formaldehyde                 |                                               | -                                                | NR                                          | NR                                               | NR                                             | NR                                              | 80                                             |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

| STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | IW-TANK<br>(ORIG)<br>10 MAR 82<br>811092 | A2-&-A8<br>(ORIG)<br>10 MAR 82<br>811090 | A5-&-A7<br>(ORIG)<br>10 MAR 82<br>811091 | SUMP<br>(ORIG)<br>10 MAR 82<br>811089 |
|-----------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------------|
| COMPOUNDS (UNIT)                              |                                          |                                          |                                          |                                       |
| ACIDS/PHENOLICS (ppb)                         |                                          |                                          |                                          |                                       |
| phenol                                        | NR                                       | NR                                       | NR                                       | NR                                    |
| BASE/NEUTRALS (ppb)                           |                                          |                                          |                                          |                                       |
| benzo(a)anthracene                            | NR                                       | NR                                       | NR                                       | NR                                    |
| benzo(a)pyrene                                | NR                                       | NR                                       | NR                                       | NR                                    |
| benzo(b)fluoranthene                          | NR                                       | NR                                       | NR                                       | NR                                    |
| diethylphthalate                              | NR                                       | NR                                       | NR                                       | NR                                    |
| fluoranthene                                  | NR                                       | NR                                       | NR                                       | NR                                    |
| pyrene                                        | NR                                       | NR                                       | NR                                       | NR                                    |
| 2-(1,1-Dimethyl)-6-methyl-phenol              | NR                                       | NR                                       | NR                                       | NR                                    |
| bicyclo[3.1.0]hexan-2-one,1,5-bis             | NR                                       | NR                                       | NR                                       | NR                                    |
| organic phosphate ester                       | NR                                       | NR                                       | NR                                       | NR                                    |
| VOLATILES (ppb)                               |                                          |                                          |                                          |                                       |
| 1,2-dichloropropane                           | NR                                       | NR                                       | NR                                       | NR                                    |
| methylene chloride                            | NR                                       | NR                                       | NR                                       | NR                                    |
| toluene                                       | NR                                       | NR                                       | NR                                       | NR                                    |
| 1,1,1-trichloroethane                         | NR                                       | NR                                       | NR                                       | NR                                    |
| 1,1,2-trichloroethane                         | NR                                       | NR                                       | NR                                       | NR                                    |
| trichlorofluoromethane                        | NR                                       | NR                                       | NR                                       | NR                                    |
| PESTICIDES/PCB'S (ppb)                        |                                          |                                          |                                          |                                       |
| Aldrin                                        | NR                                       | NR                                       | NR                                       | NR                                    |
| delta-BHC                                     | NR                                       | NR                                       | NR                                       | NR                                    |
| METALS (ppm)                                  |                                          |                                          |                                          |                                       |
| antimony                                      | -                                        | -                                        | -                                        | -                                     |
| arsenic                                       | -                                        | -                                        | -                                        | -                                     |
| cadmium                                       | -                                        | -                                        | -                                        | -                                     |
| chromium                                      | -                                        | -                                        | -                                        | -                                     |
| copper                                        | -                                        | -                                        | -                                        | -                                     |
| lead                                          | -                                        | -                                        | -                                        | -                                     |
| mercury                                       | -                                        | -                                        | -                                        | -                                     |
| nickel                                        | -                                        | -                                        | -                                        | -                                     |
| selenium                                      | -                                        | -                                        | -                                        | -                                     |
| silver                                        | -                                        | -                                        | -                                        | -                                     |
| thallium                                      | -                                        | -                                        | -                                        | -                                     |
| zinc                                          | -                                        | -                                        | -                                        | -                                     |
| potassium                                     | 16.0                                     | 38.6                                     | 23.6                                     | 5.2                                   |
| silicon                                       | 36.6                                     | 12.5                                     | 10.0                                     | 41.1                                  |
| sodium                                        | 1,340                                    | 111.0                                    | 42.0                                     | 110.0                                 |
| barium                                        | NR                                       | NR                                       | NR                                       | NR                                    |
| calcium                                       | 336.7                                    | 10.4                                     | 65.1                                     | 48.9                                  |
| magnesium                                     | 71.0                                     | 2.90                                     | 13.62                                    | 8.84                                  |

NR - Not run

BM - Below method detection limit

- means none detected

SUMMARY OF CHEMISTRY  
AIRPORT

(Continued)

|                              | STATION<br>ORIG/REPL<br>DATE<br>INV-NO<br>LAB | IW-TANK<br>(ORIG)<br>10 MAR 82<br>811092<br>- | A2-8-A8<br>(ORIG)<br>10 MAR 82<br>811090<br>- | A5-8-A7<br>(ORIG)<br>10 MAR 82<br>811091<br>- | SUMP<br>(ORIG)<br>10 MAR 82<br>811089<br>- |
|------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------------------------------------------|
| COMPOUNDS (UNIT)             |                                               |                                               |                                               |                                               |                                            |
| -----                        |                                               |                                               |                                               |                                               |                                            |
| MISCELLANEOUS ANALYSES (ppb) |                                               |                                               |                                               |                                               |                                            |
| Alkalinity                   |                                               | 330                                           | 656                                           | 583                                           | 926                                        |
| Bicarbonate                  |                                               | NR                                            | 834                                           | 605                                           | 139                                        |
| Chloride                     |                                               | 3,961                                         | 155                                           | 132.9                                         | 123.8                                      |
| Fluoride                     |                                               | NR                                            | 0.12                                          | BM @0.10                                      | 1.50                                       |
| Nitrate                      |                                               | 0.3060                                        | 0.20                                          | <0.10                                         | 0.25                                       |
| Phosphorus                   |                                               | NR                                            | NR                                            | NR                                            | NR                                         |
| Redox (mv)                   |                                               | +70                                           | -230                                          | +60                                           | -40                                        |
| Sulfate                      |                                               | 79.0                                          | 70.6                                          | 64.7                                          | 78.3                                       |
| Total dissolved solids       |                                               | NR                                            | 694                                           | 500                                           | 737                                        |
| Total Cyanide                |                                               | NR                                            | NR                                            | NR                                            | NR                                         |
| Total recoverable phenolics  |                                               | NR                                            | NR                                            | NR                                            | NR                                         |
| formaldehyde                 |                                               | NR                                            | NR                                            | NR                                            | NR                                         |

NR - Not run

BM - Below method detection limit

- means none detected

APPENDIX B

FIELD DATA SHEETS - 1983 DATA ONLY

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH     | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES                             |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|------------------------|------------------------------------------|-----------------------------------|
| A-1<br>(Inventory no. 832208) | 28 SEP 83 | 1010 | 23'4"            | 5'8.5"                    | 1.7                          | 5.1                       | 6'2.5"                                  | 8'0"<br>15'0"<br>22'0" | 5'11"                                    | SWL before sampling =<br>5' 8.5". |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES |
|------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|--------------------|------------------------------------------|-------|
| A-2                    | 27 SEP 83 | 1311 | 52'9"            | 10'4.5"                   | 3.8                          | 12.0                      | 11'8.5"                                 | 15'0"              | 12'0"                                    |       |
| (Inventory no. 832207) |           |      |                  |                           |                              |                           |                                         | 30'0"              |                                          |       |
|                        |           |      |                  |                           |                              |                           |                                         | 45'8"              |                                          |       |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH       | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|--------------------------|------------------------------------------|-------|
| A-3<br>(Inventory no. 832206) | 27 SEP 83 | 1635 | 75'9"            | 7'0"                      | 6.3                          | 18.6                      | 7'6"                                    | 15'0"<br>45'0"<br>75'10" | 7'11"                                    |       |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH      | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|-------------------------|------------------------------------------|-------|
| A-4<br>(Inventory no. 832205) | 28 SEP 83 | 1140 | 41'4"            | 7'11"                     | 2.97                         | 9.0                       | 8'5"                                    | 15'0"<br>25'0"<br>35'0" | 8'6"                                     |       |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH      | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES                           |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|-------------------------|------------------------------------------|---------------------------------|
| A-5<br>(Inventory no. 832204) | 27 SEP 83 | 1355 | 76'2"            | 2'4"                      | 5.3                          | 15.9                      | 10'4"                                   | 10'0"<br>35'0"<br>55'0" | 15'8"                                    | SWL before sampling =<br>7' 0". |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH     | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES                           |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|------------------------|------------------------------------------|---------------------------------|
| A-7<br>(Inventory no. 832203) | 27 SEP 83 | 1110 | 21'5"            | 6'11"                     | 1.2                          | 3.6                       | 7'1"                                    | 8'0"<br>13'0"<br>18'0" | 7'1"                                     | SWL before sampling =<br>7' 0". |

\* All measurements from top of casing

FIELD DATA SHEET  
AIRPORT

| STATION                       | DATE      | TIME | BORING*<br>DEPTH | STATIC*<br>WATER<br>LEVEL | BORING*<br>CAPACITY<br>(gal) | BAILED<br>VOLUME<br>(gal) | STATIC WATER*<br>LEVEL AFTER<br>BAILING | SAMPLING*<br>DEPTH      | STATIC WATER*<br>LEVEL AFTER<br>SAMPLING | NOTES |
|-------------------------------|-----------|------|------------------|---------------------------|------------------------------|---------------------------|-----------------------------------------|-------------------------|------------------------------------------|-------|
| A-8<br>(Inventory no. 832202) | 27 SEP 83 | 1235 | 26'9"            | 6'9"                      | 1.62                         | 5.0                       | 7'2.5"                                  | 13'0"<br>18'0"<br>23'0" | 6'9.5"                                   |       |

\* All measurements from top of casing

APPENDIX C

CHEMISTRY DATA SHEETS - 1983 DATA ONLY

AIRPORT  
DATA SHEET

| STATION<br>NO.                 | DATE      | TIME | pH | TEMP.<br>(C) | TOC<br>(ppm) | NH3-N<br>(ppm) | OIL &<br>GREASE<br>(ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                                                                                                                                           | METALS<br>(ppm)                                                              |
|--------------------------------|-----------|------|----|--------------|--------------|----------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| A-1<br>(Inventory no. 832208 ) | 28 SEP 83 | 1010 | NR | NR           | NR           | NR             | NR                       | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>methylene chloride - 4<br>trichlorofluoromethane - 1<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 7.7<br>pH -(pH units) mid - 7.6<br>pH -(pH units) bot - 7.9<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) surf - 7.9<br>pH -(pH units) mid - 8.1<br>pH -(pH units) bot - 8.2 | chromium - BM @.010<br>copper - BM @.010<br>nickel - .010<br>zinc - BM @.020 |

NR - Not run  
BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION NO.                    | DATE      | TIME | pH | TEMP. (C) | TOC (ppm) | NH3-N (ppm) | OIL & GREASE (ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | METALS (ppm)                  |
|--------------------------------|-----------|------|----|-----------|-----------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| A-2<br>(Inventory no. 832207 ) | 27 SEP 83 | 1311 | NR | NR        | NR        | NR          | NR                 | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>1,2-dichloropropane - BM @1<br>methylene chloride - 3<br>toluene - BM @1<br>1,1,1-trichloroethane - 2<br>trichlorofluoromethane - 9<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 11.0<br>pH -(pH units) mid - 9.2<br>pH -(pH units) bot - 8.9<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) surf - 9.2<br>pH -(pH units) mid - 9.6<br>pH -(pH units) bot - 9.05 | arsenic - .003<br>zinc - .160 |

NR - Not run  
BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION<br>NO.                 | DATE      | TIME | pH | TEMP.<br>(C) | TOC<br>(ppm) | NH3-N<br>(ppm) | OIL &<br>GREASE<br>(ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | METALS<br>(ppm)                                                      |
|--------------------------------|-----------|------|----|--------------|--------------|----------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| A-3<br>(Inventory no. 832206 ) | 27 SEP 83 | 1635 | NR | NR           | NR           | NR             | NR                       | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>1,2-dichloropropane - BM @1<br>methylene chloride - BM @1<br>toluene - 2<br>trichlorofluoromethane - 5<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 9.6<br>pH -(pH units) mid - 8.9<br>pH -(pH units) bot - 8.1<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) surf - 9.0<br>pH -(pH units) mid - 9.35<br>pH -(pH units) bot - 8.6 | copper - BM @.010<br>lead - .011<br>nickel - BM @.010<br>zinc - .170 |

NR - Not run

BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION<br>NO.                 | DATE      | TIME | pH | TEMP.<br>(C) | TOC<br>(ppm) | NH3-N<br>(ppm) | OIL &<br>GREASE<br>(ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | METALS<br>(ppm)              |
|--------------------------------|-----------|------|----|--------------|--------------|----------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| A-4<br>(Inventory no. 832205 ) | 28 SEP 83 | 1140 | NR | NR           | NR           | NR             | NR                       | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>1,2-dichloropropane - 1<br>methylene chloride - 10<br>1,1,1-trichloroethane - BM @1<br>trichlorofluoromethane - 1<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 7.4<br>pH -(pH units) mid - 7.4<br>pH -(pH units) bot - 7.7<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) surf - 7.4<br>pH -(pH units) mid - 7.9<br>pH -(pH units) bot - 7.9 | copper - .012<br>zinc - .080 |

NR - Not run

BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION<br>NO.                 | DATE      | TIME | pH | TEMP.<br>(C) | TOC<br>(ppm) | NH3-N<br>(ppm) | OIL &<br>GREASE<br>(ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                           | METALS<br>(ppm)                                                                              |
|--------------------------------|-----------|------|----|--------------|--------------|----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| A-5<br>(Inventory no. 832204 ) | 27 SEP 83 | 1355 | NR | NR           | NR           | NR             | NR                       | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>toluene - 2<br>trichlorofluoromethane - 8<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 8.4<br>pH -(pH units) mid - 9.6<br>pH -(pH units) bot - 7.6 | arsenic - .006<br>chromium - BM @.010<br>copper - BM @.010<br>lead - BM @.013<br>zinc - .060 |

NR - Not run

BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION<br>NO.                 | DATE      | TIME | pH | TEMP.<br>(C) | TOC<br>(ppm) | NH3-N<br>(ppm) | OIL &<br>GREASE<br>(ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                  | METALS<br>(ppm)                                                                                                     |
|--------------------------------|-----------|------|----|--------------|--------------|----------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| A-7<br>(Inventory no. 832203 ) | 27 SEP 83 | 1110 | NR | NR           | NR           | NR             | NR                       | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>NR<br>VOLATILES<br>toluene - 3<br>1,1,2-trichloroethane - 1<br>trichlorofluoromethane - 6<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) Composite - 7.4<br>Temp.(C)- composite - 18.0 | arsenic - BM @.003<br>copper - BM @.010<br>lead - .007<br>selenium - BM @.004<br>thallium - BM @.007<br>zinc - .100 |

NR - Not run

BM - Below method detection limit

AIRPORT  
DATA SHEET

| STATION NO.                    | DATE      | TIME | pH | TEMP. (C) | TOC (ppm) | NH3-N (ppm) | OIL & GREASE (ppm) | ORGANICS (ppb) and other analyses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | METALS (ppm)                                                              |
|--------------------------------|-----------|------|----|-----------|-----------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| A-8<br>(Inventory no. 832202 ) | 27 SEP 83 | 1235 | NR | NR        | NR        | NR          | NR                 | ACIDS/PHENOLICS<br>NR<br>BASE/NEUTRALS<br>diethylphthalate - 2<br>VOLATILES<br>1,2-dichloropropane - BM @1<br>methylene chloride - BM @1<br>toluene - BM @1<br>trichlorofluoromethane - 6<br>PESTICIDES/PCB'S<br>NR<br>OTHER NON-PRIORITY ORGANICS<br>NR<br>MISCELLANEOUS ANALYSES<br>NR<br>FIELD ANALYSES BEFORE BAILING<br>pH -(pH units) surf - 7.35<br>pH -(pH units) mid - 7.3<br>pH -(pH units) bot - 7.4<br>FIELD ANALYSES AFTER BAILING<br>pH -(pH units) surf - 7.35<br>pH -(pH units) mid - 7.2<br>pH -(pH units) bot - 7.55 | arsenic - BM @.003<br>lead - BM @.006<br>nickel - BM @.010<br>zinc - .050 |

NR - Not run

BM - Below method detection limit

APPENDIX D

STATISTICAL SUMMARIES OF CHEMISTRY DATA AT AIRPORT

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-1

| COMPOUND (UNIT)                  | T O T A L |        |       |        |            | Y E A R L Y |           |           |       |        | NO.<br>PTS |        |   |
|----------------------------------|-----------|--------|-------|--------|------------|-------------|-----------|-----------|-------|--------|------------|--------|---|
|                                  | MIN       | MAX    | MEAN  | STDDEV | NO.<br>PTS | NO.<br>BM   | NO.<br>ND | MIN       | MAX   | MEAN   |            | STDDEV |   |
| ACIDS/PHENOLICS (ppb)            |           |        |       |        | 0          |             | 0         |           |       |        |            |        |   |
| BASE/NEUTRALS (ppb)              |           |        |       |        | 1          |             | 1         |           |       |        |            |        |   |
| VOLATILES (ppb)                  |           |        |       |        |            |             |           |           |       |        |            |        |   |
| methylene chloride               | .00       | 4.00   | 1.33  | 2.31   | 3          | 0           | 2         | YEAR-1981 | .00   | .00    | .00        | .00    | 2 |
|                                  |           |        |       |        |            |             |           | -1983     | 4.00  | 4.00   | 4.00       | -      | 1 |
| trichlorofluoromethane           | .00       | 1.00   | .33   | .58    | 3          | 0           | 2         | YEAR-1981 | .00   | .00    | .00        | .00    | 2 |
|                                  |           |        |       |        |            |             |           | -1983     | 1.00  | 1.00   | 1.00       | -      | 1 |
| PESTICIDES/PCB'S (ppb)           |           |        |       |        | 0          |             | 0         |           |       |        |            |        |   |
| METALS (ppm)                     |           |        |       |        |            |             |           |           |       |        |            |        |   |
| chromium                         | .00       | .00    | .00   | -      | 1          | 1           | 0         | YEAR-1983 | .00   | .00    | .00        | -      | 1 |
| copper                           | .00       | .00    | .00   | -      | 1          | 1           | 0         | YEAR-1983 | .00   | .00    | .00        | -      | 1 |
| nickel                           | .01       | .01    | .01   | -      | 1          | 0           | 0         | YEAR-1983 | .01   | .01    | .01        | -      | 1 |
| zinc                             | .00       | .00    | .00   | -      | 1          | 1           | 0         | YEAR-1983 | .00   | .00    | .00        | -      | 1 |
| MISCELLANEOUS ANALYSES (ppb)     |           |        |       |        |            |             |           |           |       |        |            |        |   |
| formaldehyde                     | 90.00     | 100.00 | 95.00 | 7.07   | 2          | 0           | 0         | YEAR-1981 | 90.00 | 100.00 | 95.00      | 7.07   | 2 |
| TOTAL ORGANICS (ppb)             |           |        | 1.67  |        |            |             |           |           |       |        |            |        |   |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |           |        | .33   |        |            |             |           |           |       |        |            |        |   |
| OTHERS                           |           |        |       |        |            |             |           |           |       |        |            |        |   |
| pH                               | 6.80      | 7.70   | 7.30  | .37    | 4          | 0           | 0         | YEAR-1981 | 6.80  | 7.70   | 7.30       | .37    | 4 |
| Temperature (C)                  | 12.50     | 16.00  | 14.03 | 1.51   | 4          | 0           | 0         | YEAR-1981 | 12.50 | 16.00  | 14.03      | 1.51   | 4 |
| TOC (ppm)                        | 3.20      | 4.80   | 3.77  | .90    | 3          | 0           | 0         | YEAR-1981 | 3.20  | 4.80   | 3.77       | .90    | 3 |
| Ammonia (ppm)                    | .00       | .06    | .03   | .03    | 3          | 1           | 0         | YEAR-1981 | .00   | .06    | .03        | .03    | 3 |
| Oil & Grease                     | .00       | .00    | .00   | .00    | 3          | 1           | 2         | YEAR-1981 | .00   | .00    | .00        | .00    | 3 |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-2

| COMPOUND (UNIT)              | T O T A L |         |         |         |            | Y E A R L Y |           |           |         |         | NO.<br>PTS |         |   |
|------------------------------|-----------|---------|---------|---------|------------|-------------|-----------|-----------|---------|---------|------------|---------|---|
|                              | MIN       | MAX     | MEAN    | STDDEV  | NO.<br>PTS | NO.<br>BM   | NO.<br>ND | MIN       | MAX     | MEAN    |            | STDDEV  |   |
| ACIDS/PHENOLICS (ppb)        |           |         |         |         | 0          |             | 0         |           |         |         |            |         |   |
| BASE/NEUTRALS (ppb)          |           |         |         |         | 1          |             | 1         |           |         |         |            |         |   |
| VOLATILES (ppb)              |           |         |         |         |            |             |           |           |         |         |            |         |   |
| 1,2-dichloropropane          | .00       | .00     | .00     | .00     | 5          | 1           | 4         | YEAR-1981 | .00     | .00     | .00        | .00     | 4 |
|                              |           |         |         |         |            |             |           | -1983     | .00     | .00     | .00        | -       | 1 |
| methylene chloride           | .00       | 3.00    | .60     | 1.34    | 5          | 0           | 4         | YEAR-1981 | .00     | .00     | .00        | .00     | 4 |
|                              |           |         |         |         |            |             |           | -1983     | 3.00    | 3.00    | 3.00       | -       | 1 |
| toluene                      | .00       | 14.00   | 2.80    | 6.26    | 5          | 2           | 2         | YEAR-1981 | .00     | 14.00   | 3.50       | 7.00    | 4 |
|                              |           |         |         |         |            |             |           | -1983     | .00     | .00     | .00        | -       | 1 |
| 1,1,1-trichloroethane        | .00       | 2.00    | .80     | 1.10    | 5          | 0           | 3         | YEAR-1981 | .00     | 2.00    | .50        | 1.00    | 4 |
|                              |           |         |         |         |            |             |           | -1983     | 2.00    | 2.00    | 2.00       | -       | 1 |
| trichlorofluoromethane       | .00       | 9.00    | 1.80    | 4.02    | 5          | 0           | 4         | YEAR-1981 | .00     | .00     | .00        | .00     | 4 |
|                              |           |         |         |         |            |             |           | -1983     | 9.00    | 9.00    | 9.00       | -       | 1 |
| PESTICIDES/PCB'S (ppb)       |           |         |         |         | 0          |             | 0         |           |         |         |            |         |   |
| METALS (ppm)                 |           |         |         |         |            |             |           |           |         |         |            |         |   |
| arsenic                      | .00       | 3.0E-03 | 4.3E-04 | 1.1E-03 | 7          | 0           | 6         | YEAR-1981 | .00     | .00     | .00        | .00     | 6 |
|                              |           |         |         |         |            |             |           | -1983     | 3.0E-03 | 3.0E-03 | 3.0E-03    | -       | 1 |
| chromium                     | .00       | .01     | 2.0E-03 | 5.3E-03 | 7          | 0           | 6         | YEAR-1981 | .00     | .01     | 2.3E-03    | 5.7E-03 | 6 |
|                              |           |         |         |         |            |             |           | -1983     | .00     | .00     | .00        | -       | 1 |
| copper                       | .00       | .02     | 3.4E-03 | 9.1E-03 | 7          | 0           | 6         | YEAR-1981 | .00     | .02     | 4.0E-03    | 9.8E-03 | 6 |
|                              |           |         |         |         |            |             |           | -1983     | .00     | .00     | .00        | -       | 1 |
| zinc                         | .00       | .16     | .02     | .06     | 7          | 0           | 6         | YEAR-1981 | .00     | .00     | .00        | .00     | 6 |
|                              |           |         |         |         |            |             |           | -1983     | .16     | .16     | .16        | -       | 1 |
| potassium                    | 2.83      | 95.80   | 43.57   | 47.33   | 4          | 0           | 0         | YEAR-1981 | 2.83    | 95.80   | 43.57      | 47.33   | 4 |
| silicon                      | .00       | 3.90    | 1.95    | 2.76    | 2          | 1           | 0         | YEAR-1981 | .00     | 3.90    | 1.95       | 2.76    | 2 |
| sodium                       | .30       | 66.04   | 47.78   | 27.13   | 5          | 0           | 0         | YEAR-1981 | .30     | 66.04   | 47.78      | 27.13   | 5 |
| calcium                      | 1.72      | 371.20  | 174.78  | 169.41  | 5          | 0           | 0         | YEAR-1981 | 1.72    | 371.20  | 174.78     | 169.41  | 5 |
| magnesium                    | .06       | 7.94    | 3.68    | 3.98    | 3          | 0           | 0         | YEAR-1981 | .06     | 7.94    | 3.68       | 3.98    | 3 |
| MISCELLANEOUS ANALYSES (ppb) |           |         |         |         |            |             |           |           |         |         |            |         |   |
| Alkalinity                   | 846.00    | 1236.00 | 1041.00 | 275.77  | 2          | 0           | 0         | YEAR-1981 | 846.00  | 1236.00 | 1041.00    | 275.77  | 2 |
| Bicarbonate                  | 102.00    | 117.00  | 109.50  | 10.61   | 2          | 0           | 0         | YEAR-1981 | 102.00  | 117.00  | 109.50     | 10.61   | 2 |
| Chloride                     | 21.10     | 28.20   | 24.65   | 5.02    | 2          | 0           | 0         | YEAR-1981 | 21.10   | 28.20   | 24.65      | 5.02    | 2 |
| Fluoride                     | .00       | .20     | .10     | .14     | 2          | 1           | 0         | YEAR-1981 | .00     | .20     | .10        | .14     | 2 |
| Nitrate                      | .00       | 1.84    | .92     | 1.30    | 2          | 0           | 1         | YEAR-1981 | .00     | 1.84    | .92        | 1.30    | 2 |
| Phosphorus                   | .16       | .16     | .16     | -       | 1          | 0           | 0         | YEAR-1981 | .16     | .16     | .16        | -       | 1 |
| Redox (mv)                   | 280.00    | 280.00  | 280.00  | .00     | 2          | 0           | 0         | YEAR-1981 | 280.00  | 280.00  | 280.00     | .00     | 2 |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-2

| COMPOUND (UNIT)                  | (Continued) | T O T A L |         |         |         | NO. NO. NO. |    |    |           | Y E A R L Y |         |         |         | NO.<br>PTS |
|----------------------------------|-------------|-----------|---------|---------|---------|-------------|----|----|-----------|-------------|---------|---------|---------|------------|
|                                  |             | MIN       | MAX     | MEAN    | STDDEV  | PTS         | BM | ND |           | MIN         | MAX     | MEAN    | STDDEV  |            |
| Sulfate                          |             | 16.00     | 61.10   | 38.55   | 31.89   | 2           | 0  | 0  | YEAR-1981 | 16.00       | 61.10   | 38.55   | 31.89   | 2          |
| Total dissolved solids           |             | 176.00    | 1134.00 | 655.00  | 677.41  | 2           | 0  | 0  | YEAR-1981 | 176.00      | 1134.00 | 655.00  | 677.41  | 2          |
| Total recoverable phenolics      |             | .00       | 10.00   | 5.00    | 7.07    | 2           | 0  | 1  | YEAR-1981 | .00         | 10.00   | 5.00    | 7.07    | 2          |
| TOTAL ORGANICS (ppb)             |             |           |         | 6.00    |         |             |    |    |           |             |         |         |         |            |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |             |           |         | 5.40    |         |             |    |    |           |             |         |         |         |            |
| OTHERS                           |             |           |         |         |         |             |    |    |           |             |         |         |         |            |
| pH                               |             | 8.55      | 12.20   | 9.96    | 1.43    | 7           | 0  | 0  | YEAR-1981 | 8.55        | 12.20   | 9.96    | 1.43    | 7          |
| Temperature (C)                  |             | 8.50      | 18.00   | 12.59   | 3.46    | 9           | 0  | 0  | YEAR-1981 | 8.50        | 18.00   | 12.59   | 3.46    | 9          |
| TOC (ppm)                        |             | 3.90      | 14.30   | 8.27    | 4.79    | 4           | 0  | 0  | YEAR-1981 | 3.90        | 14.30   | 8.27    | 4.79    | 4          |
| Ammonia (ppm)                    |             | .14       | 1.74    | .83     | .66     | 5           | 0  | 0  | YEAR-1981 | .14         | 1.74    | .83     | .66     | 5          |
| Oil & Grease                     |             | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981 | .00         | .00     | .00     | .00     | 4          |
| Specific conductance (umhos)     |             | 340.00    | 4700.00 | 2520.00 | 3082.99 | 2           | 0  | 0  | YEAR-1981 | 340.00      | 4700.00 | 2520.00 | 3082.99 | 2          |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-3

| COMPOUND (UNIT)        | T O T A L |         |         |         | NO. NO. NO. |    |    |           | Y E A R L Y |         |         |         | NO. |
|------------------------|-----------|---------|---------|---------|-------------|----|----|-----------|-------------|---------|---------|---------|-----|
|                        | MIN       | MAX     | MEAN    | STDDEV  | PTS         | BM | ND |           | MIN         | MAX     | MEAN    | STDDEV  |     |
| ACIDS/PHENOLICS (ppb)  |           |         |         |         |             |    |    |           |             |         |         |         |     |
| phenol                 | .00       | .00     | .00     | -       | 1           | 1  | 0  | YEAR-1981 | .00         | .00     | .00     | -       | 1   |
| BASE/NEUTRALS (ppb)    |           |         |         |         |             |    |    |           |             |         |         |         |     |
| benzo(a)anthracene     | .00       | .00     | .00     | .00     | 2           | 1  | 1  | YEAR-1981 | .00         | .00     | .00     | .00     | 2   |
| benzo(a)pyrene         | .00       | .00     | .00     | .00     | 2           | 1  | 1  | YEAR-1981 | .00         | .00     | .00     | .00     | 2   |
| benzo(b)fluoranthene   | .00       | .00     | .00     | .00     | 2           | 1  | 1  | YEAR-1981 | .00         | .00     | .00     | .00     | 2   |
| fluoranthene           | .00       | .00     | .00     | .00     | 2           | 1  | 1  | YEAR-1981 | .00         | .00     | .00     | .00     | 2   |
| pyrene                 | .00       | .00     | .00     | .00     | 2           | 1  | 1  | YEAR-1981 | .00         | .00     | .00     | .00     | 2   |
| VOLATILES (ppb)        |           |         |         |         |             |    |    |           |             |         |         |         |     |
| 1,2-dichloropropane    | .00       | .00     | .00     | .00     | 7           | 1  | 6  | YEAR-1981 | .00         | .00     | .00     | .00     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| methylene chloride     | .00       | .00     | .00     | .00     | 7           | 1  | 6  | YEAR-1981 | .00         | .00     | .00     | .00     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| toluene                | .00       | 26.00   | 7.57    | 12.27   | 7           | 0  | 4  | YEAR-1981 | .00         | 26.00   | 8.50    | 13.17   | 6   |
|                        |           |         |         |         |             |    |    | -1983     | 2.00        | 2.00    | 2.00    | -       | 1   |
| trichlorofluoromethane | .00       | 5.00    | .71     | 1.89    | 7           | 0  | 6  | YEAR-1981 | .00         | .00     | .00     | .00     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | 5.00        | 5.00    | 5.00    | -       | 1   |
| PESTICIDES/PCB'S (ppb) |           |         |         |         | 1           |    | 1  |           |             |         |         |         |     |
| METALS (ppm)           |           |         |         |         |             |    |    |           |             |         |         |         |     |
| antimony               | .00       | 1.00    | .14     | .38     | 7           | 0  | 6  | YEAR-1981 | .00         | 1.00    | .17     | .41     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| cadmium                | .00       | .01     | 1.6E-03 | 4.2E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | .01     | 1.8E-03 | 4.5E-03 | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| chromium               | .00       | .01     | 1.4E-03 | 3.8E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | .01     | 1.7E-03 | 4.1E-03 | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| copper                 | .00       | .03     | 7.4E-03 | .01     | 7           | 1  | 4  | YEAR-1981 | .00         | .03     | 8.7E-03 | .01     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| lead                   | .00       | .01     | 1.6E-03 | 4.2E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | .00     | .00     | .00     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .01         | .01     | .01     | -       | 1   |
| mercury                | .00       | 2.2E-03 | 3.1E-04 | 8.3E-04 | 7           | 0  | 6  | YEAR-1981 | .00         | 2.2E-03 | 3.7E-04 | 9.0E-04 | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| nickel                 | .00       | .00     | .00     | .00     | 7           | 1  | 6  | YEAR-1981 | .00         | .00     | .00     | .00     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| selenium               | .00       | 5.5E-03 | 7.9E-04 | 2.1E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | 5.5E-03 | 9.2E-04 | 2.2E-03 | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .00         | .00     | .00     | -       | 1   |
| zinc                   | .00       | .17     | .03     | .06     | 7           | 0  | 4  | YEAR-1981 | .00         | .02     | 6.0E-03 | .01     | 6   |
|                        |           |         |         |         |             |    |    | -1983     | .17         | .17     | .17     | -       | 1   |
| potassium              | 2.32      | 165.00  | 76.27   | 82.34   | 3           | 0  | 0  | YEAR-1981 | 2.32        | 165.00  | 76.27   | 82.34   | 3   |
| silicon                | 2.30      | 3.60    | 2.95    | .92     | 2           | 0  | 0  | YEAR-1981 | 2.30        | 3.60    | 2.95    | .92     | 2   |
| sodium                 | .74       | 75.50   | 34.31   | 37.96   | 3           | 0  | 0  | YEAR-1981 | .74         | 75.50   | 34.31   | 37.96   | 3   |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-3

| CDMPDUND (UNIT)                  | (Continued) | T O T A L |        |        |        | NO. NO. NO. |    |    | YEAR      | Y E A R L Y |        |        |        | NO. PTS |
|----------------------------------|-------------|-----------|--------|--------|--------|-------------|----|----|-----------|-------------|--------|--------|--------|---------|
|                                  |             | MIN       | MAX    | MEAN   | STDDEV | PTS         | BM | ND |           | MIN         | MAX    | MEAN   | STDDEV |         |
| barium                           |             | .00       | 9.67   | 4.84   | 6.84   | 2           | 1  | 0  | YEAR-1981 | .00         | 9.67   | 4.84   | 6.84   | 2       |
| calcium                          |             | 5.90      | 44.40  | 25.15  | 27.22  | 2           | 0  | 0  | YEAR-1981 | 5.90        | 44.40  | 25.15  | 27.22  | 2       |
| magnesium                        |             | 1.28      | 43.00  | 16.59  | 22.97  | 3           | 0  | 0  | YEAR-1981 | 1.28        | 43.00  | 16.59  | 22.97  | 3       |
| MISCELLANEDUS ANALYSES (ppb)     |             |           |        |        |        |             |    |    |           |             |        |        |        |         |
| Alkalinity                       |             | 188.00    | 420.00 | 304.00 | 164.05 | 2           | 0  | 0  | YEAR-1981 | 188.00      | 420.00 | 304.00 | 164.05 | 2       |
| Bicarbonate                      |             | 137.00    | 146.00 | 141.50 | 6.36   | 2           | 0  | 0  | YEAR-1981 | 137.00      | 146.00 | 141.50 | 6.36   | 2       |
| Chloride                         |             | 7.00      | 8.00   | 7.50   | .71    | 2           | 0  | 0  | YEAR-1981 | 7.00        | 8.00   | 7.50   | .71    | 2       |
| Fluoride                         |             | .00       | .10    | .05    | .07    | 2           | 1  | 0  | YEAR-1981 | .00         | .10    | .05    | .07    | 2       |
| Nitrate                          |             | .47       | 1.55   | 1.01   | .76    | 2           | 0  | 0  | YEAR-1981 | .47         | 1.55   | 1.01   | .76    | 2       |
| Redox (mv)                       |             | 10.00     | 315.00 | 162.50 | 215.67 | 2           | 0  | 0  | YEAR-1981 | 10.00       | 315.00 | 162.50 | 215.67 | 2       |
| Sulfate                          |             | 29.40     | 32.60  | 31.00  | 2.26   | 2           | 0  | 0  | YEAR-1981 | 29.40       | 32.60  | 31.00  | 2.26   | 2       |
| Total dissolved solids           |             | 144.00    | 201.00 | 172.50 | 40.31  | 2           | 0  | 0  | YEAR-1981 | 144.00      | 201.00 | 172.50 | 40.31  | 2       |
| TOTAL ORGANICS (ppb)             |             |           |        | 8.29   |        |             |    |    |           |             |        |        |        |         |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |             |           |        | 8.29   |        |             |    |    |           |             |        |        |        |         |
| OTHERS                           |             |           |        |        |        |             |    |    |           |             |        |        |        |         |
| pH                               |             | 7.70      | 11.60  | 8.79   | 1.52   | 6           | 0  | 0  | YEAR-1981 | 7.70        | 11.60  | 8.79   | 1.52   | 6       |
| Temperature (C)                  |             | 7.30      | 17.20  | 11.87  | 3.12   | 8           | 0  | 0  | YEAR-1981 | 7.30        | 17.20  | 11.87  | 3.12   | 8       |
| TOC (ppm)                        |             | 2.00      | 5.70   | 3.80   | 1.33   | 5           | 0  | 0  | YEAR-1981 | 2.00        | 5.70   | 3.80   | 1.33   | 5       |
| Ammonia (ppm)                    |             | .07       | .42    | .17    | .14    | 5           | 0  | 0  | YEAR-1981 | .07         | .42    | .17    | .14    | 5       |
| Oil & Grease                     |             | .00       | .00    | .00    | .00    | 5           | 2  | 3  | YEAR-1981 | .00         | .00    | .00    | .00    | 5       |
| Specific conductance (umhos)     |             | 280.00    | 700.00 | 490.00 | 296.98 | 2           | 0  | 0  | YEAR-1981 | 280.00      | 700.00 | 490.00 | 296.98 | 2       |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
 A-4

| COMPOUND (UNIT)              | T O T A L |        |         |         |         |        |        | Y E A R L Y |        |        |         |         |   |  |
|------------------------------|-----------|--------|---------|---------|---------|--------|--------|-------------|--------|--------|---------|---------|---|--|
|                              | MIN       | MAX    | MEAN    | STDDEV  | NO. PTS | NO. BM | NO. ND | MIN         | MAX    | MEAN   | STDDEV  | NO. PTS |   |  |
| ACIDS/PHENOLICS (ppb)        |           |        |         |         | 1       |        | 1      |             |        |        |         |         |   |  |
| BASE/NEUTRALS (ppb)          |           |        |         |         | 1       |        | 1      |             |        |        |         |         |   |  |
| VOLATILES (ppb)              |           |        |         |         |         |        |        |             |        |        |         |         |   |  |
| 1,2-dichloropropane          | .00       | 1.00   | .20     | .45     | 5       | 0      | 4      | YEAR-1981   | .00    | .00    | .00     | .00     | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | 1.00   | 1.00   | 1.00    | -       | 1 |  |
| methylene chloride           | .00       | 10.00  | 2.00    | 4.47    | 5       | 0      | 4      | YEAR-1981   | .00    | .00    | .00     | .00     | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | 10.00  | 10.00  | 10.00   | -       | 1 |  |
| 1,1,1-trichloroethane        | .00       | 3.00   | .60     | 1.34    | 5       | 1      | 3      | YEAR-1981   | .00    | 3.00   | .75     | 1.50    | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | .00    | .00    | .00     | -       | 1 |  |
| trichlorofluoromethane       | .00       | 1.00   | .20     | .45     | 5       | 0      | 4      | YEAR-1981   | .00    | .00    | .00     | .00     | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | 1.00   | 1.00   | 1.00    | -       | 1 |  |
| PESTICIDES/PCB'S (ppb)       |           |        |         |         |         |        |        |             |        |        |         |         |   |  |
| Aldrin                       | .02       | .02    | .02     | -       | 1       | 0      | 0      | YEAR-1981   | .02    | .02    | .02     | -       | 1 |  |
| METALS (ppm)                 |           |        |         |         |         |        |        |             |        |        |         |         |   |  |
| copper                       | .00       | .01    | 2.4E-03 | 5.4E-03 | 5       | 0      | 4      | YEAR-1981   | .00    | .00    | .00     | .00     | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | .01    | .01    | .01     | -       | 1 |  |
| selenium                     | .00       | .02    | 3.0E-03 | 6.7E-03 | 5       | 0      | 4      | YEAR-1981   | .00    | .02    | 3.8E-03 | 7.5E-03 | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | .00    | .00    | .00     | -       | 1 |  |
| silver                       | .00       | .01    | 2.0E-03 | 4.5E-03 | 5       | 0      | 4      | YEAR-1981   | .00    | .01    | 2.5E-03 | 5.0E-03 | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | .00    | .00    | .00     | -       | 1 |  |
| zinc                         | .00       | .12    | .05     | .05     | 5       | 0      | 2      | YEAR-1981   | .00    | .12    | .04     | .06     | 4 |  |
|                              |           |        |         |         |         |        |        | -1983       | .08    | .08    | .08     | -       | 1 |  |
| potassium                    | 1.58      | 7.30   | 4.44    | 4.04    | 2       | 0      | 0      | YEAR-1981   | 1.58   | 7.30   | 4.44    | 4.04    | 2 |  |
| silicon                      | 3.40      | 3.70   | 3.55    | .21     | 2       | 0      | 0      | YEAR-1981   | 3.40   | 3.70   | 3.55    | .21     | 2 |  |
| sodium                       | .31       | 12.30  | 6.31    | 8.48    | 2       | 0      | 0      | YEAR-1981   | .31    | 12.30  | 6.31    | 8.48    | 2 |  |
| calcium                      | 32.40     | 63.00  | 47.70   | 21.64   | 2       | 0      | 0      | YEAR-1981   | 32.40  | 63.00  | 47.70   | 21.64   | 2 |  |
| magnesium                    | 8.72      | 11.77  | 10.25   | 2.16    | 2       | 0      | 0      | YEAR-1981   | 8.72   | 11.77  | 10.25   | 2.16    | 2 |  |
| MISCELLANEOUS ANALYSES (ppb) |           |        |         |         |         |        |        |             |        |        |         |         |   |  |
| Alkalinity                   | 106.00    | 106.00 | 106.00  | -       | 1       | 0      | 0      | YEAR-1981   | 106.00 | 106.00 | 106.00  | -       | 1 |  |
| Bicarbonate                  | 142.00    | 200.00 | 171.00  | 41.01   | 2       | 0      | 0      | YEAR-1981   | 142.00 | 200.00 | 171.00  | 41.01   | 2 |  |
| Chloride                     | 26.20     | 28.20  | 27.20   | 1.41    | 2       | 0      | 0      | YEAR-1981   | 26.20  | 28.20  | 27.20   | 1.41    | 2 |  |
| Fluoride                     | .00       | .24    | .12     | .17     | 2       | 0      | 1      | YEAR-1981   | .00    | .24    | .12     | .17     | 2 |  |
| Nitrate                      | 2.94      | 3.41   | 3.18    | .33     | 2       | 0      | 0      | YEAR-1981   | 2.94   | 3.41   | 3.18    | .33     | 2 |  |
| Redox (mv)                   | -70.00    | 275.00 | 102.50  | 243.95  | 2       | 0      | 0      | YEAR-1981   | -70.00 | 275.00 | 102.50  | 243.95  | 2 |  |
| Sulfate                      | 28.90     | 39.20  | 34.05   | 7.28    | 2       | 0      | 0      | YEAR-1981   | 28.90  | 39.20  | 34.05   | 7.28    | 2 |  |
| Total dissolved solids       | 178.00    | 182.00 | 180.00  | 2.83    | 2       | 0      | 0      | YEAR-1981   | 178.00 | 182.00 | 180.00  | 2.83    | 2 |  |
| Total Cyanide                | 10.00     | 10.00  | 10.00   | -       | 1       | 0      | 0      | YEAR-1981   | 10.00  | 10.00  | 10.00   | -       | 1 |  |
| formaldehyde                 | 30.00     | 100.00 | 65.00   | 49.50   | 2       | 0      | 0      | YEAR-1981   | 30.00  | 100.00 | 65.00   | 49.50   | 2 |  |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-4

| COMPOUND (UNIT)              | (Continued) | T O T A L |        |        |        | NO. NO. NO. |    |    | Y E A R L Y |        |        |        |       | NO. |
|------------------------------|-------------|-----------|--------|--------|--------|-------------|----|----|-------------|--------|--------|--------|-------|-----|
|                              |             | MIN       | MAX    | MEAN   | STDDEV | PTS         | BM | ND | MIN         | MAX    | MEAN   | STDDEV | PTS   |     |
| TOTAL ORGANICS               | (ppb)       |           |        | 3.02   |        |             |    |    |             |        |        |        |       |     |
| TOTAL ORGANICS - Methyl.Cl.  | (ppb)       |           |        | 1.02   |        |             |    |    |             |        |        |        |       |     |
| OTHERS                       |             |           |        |        |        |             |    |    |             |        |        |        |       |     |
| pH                           |             | 7.50      | 8.60   | 8.02   | .39    | 6           | 0  | 0  | YEAR-1981   | 7.50   | 8.60   | 8.02   | .39   | 6   |
| Temperature (C)              |             | 8.00      | 19.70  | 14.43  | 3.90   | 7           | 0  | 0  | YEAR-1981   | 8.00   | 19.70  | 14.43  | 3.90  | 7   |
| TOC (ppm)                    |             | 2.40      | 5.70   | 4.15   | 1.42   | 4           | 0  | 0  | YEAR-1981   | 2.40   | 5.70   | 4.15   | 1.42  | 4   |
| Ammonia (ppm)                |             | .00       | .13    | .05    | .06    | 4           | 1  | 1  | YEAR-1981   | .00    | .13    | .05    | .06   | 4   |
| Oil & Grease                 |             | .00       | .00    | .00    | .00    | 4           | 2  | 2  | YEAR-1981   | .00    | .00    | .00    | .00   | 4   |
| Specific conductance (umhos) |             | 370.00    | 410.00 | 396.67 | 23.09  | 3           | 0  | 0  | YEAR-1981   | 370.00 | 410.00 | 396.67 | 23.09 | 3   |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
 A-5

| COMPOUND (UNIT)        | T O T A L |         |         |         |            |           |           | Y E A R L Y |         |         |         |            |   |  |
|------------------------|-----------|---------|---------|---------|------------|-----------|-----------|-------------|---------|---------|---------|------------|---|--|
|                        | MIN       | MAX     | MEAN    | STDDEV  | NO.<br>PTS | NO.<br>BM | NO.<br>ND | MIN         | MAX     | MEAN    | STDDEV  | NO.<br>PTS |   |  |
| ACIDS/PHENOLICS (ppb)  |           |         |         |         | 1          |           | 1         |             |         |         |         |            |   |  |
| BASE/NEUTRALS (ppb)    |           |         |         |         | 1          |           | 1         |             |         |         |         |            |   |  |
| VOLATILES (ppb)        |           |         |         |         |            |           |           |             |         |         |         |            |   |  |
| toluene                | .00       | 25.00   | 6.83    | 10.44   | 6          | 0         | 3         | YEAR-1981   | .00     | 25.00   | 7.80    | 11.37      | 5 |  |
|                        |           |         |         |         |            |           |           | -1983       | 2.00    | 2.00    | 2.00    | -          | 1 |  |
| trichlorofluoromethane | .00       | 8.00    | 1.33    | 3.27    | 6          | 0         | 5         | YEAR-1981   | .00     | .00     | .00     | .00        | 5 |  |
|                        |           |         |         |         |            |           |           | -1983       | 8.00    | 8.00    | 8.00    | -          | 1 |  |
| PESTICIDES/PCB'S (ppb) |           |         |         |         |            |           |           |             |         |         |         |            |   |  |
| Aldrin                 | .00       | .11     | .05     | .08     | 2          | 0         | 1         | YEAR-1981   | .00     | .11     | .05     | .08        | 2 |  |
| delta-BHC              | .00       | .11     | .05     | .08     | 2          | 0         | 1         | YEAR-1981   | .00     | .11     | .05     | .08        | 2 |  |
| METALS (ppm)           |           |         |         |         |            |           |           |             |         |         |         |            |   |  |
| antimony               | .00       | .40     | .06     | .15     | 7          | 0         | 6         | YEAR-1981   | .00     | .40     | .07     | .16        | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| arsenic                | .00       | 6.5E-03 | 1.8E-03 | 3.1E-03 | 7          | 0         | 5         | YEAR-1981   | .00     | 6.5E-03 | 1.1E-03 | 2.7E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | 6.0E-03 | 6.0E-03 | 6.0E-03 | -          | 1 |  |
| cadmium                | .00       | 9.0E-03 | 1.3E-03 | 3.4E-03 | 7          | 0         | 6         | YEAR-1981   | .00     | 9.0E-03 | 1.5E-03 | 3.7E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| chromium               | .00       | .00     | .00     | .00     | 7          | 1         | 6         | YEAR-1981   | .00     | .00     | .00     | .00        | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| copper                 | .00       | .01     | 3.1E-03 | 5.4E-03 | 7          | 1         | 4         | YEAR-1981   | .00     | .01     | 3.7E-03 | 5.7E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| lead                   | .00       | .04     | 5.7E-03 | .02     | 7          | 1         | 5         | YEAR-1981   | .00     | .04     | 6.7E-03 | .02        | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| mercury                | .00       | 7.9E-03 | 1.1E-03 | 3.0E-03 | 7          | 0         | 6         | YEAR-1981   | .00     | 7.9E-03 | 1.3E-03 | 3.2E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| nickel                 | .00       | .09     | .01     | .03     | 7          | 0         | 6         | YEAR-1981   | .00     | .09     | .02     | .04        | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| selenium               | .00       | 8.1E-03 | 1.2E-03 | 3.1E-03 | 7          | 0         | 6         | YEAR-1981   | .00     | 8.1E-03 | 1.3E-03 | 3.3E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| silver                 | .00       | .02     | 3.3E-03 | 8.7E-03 | 7          | 0         | 6         | YEAR-1981   | .00     | .02     | 3.8E-03 | 9.4E-03    | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .00     | .00     | .00     | -          | 1 |  |
| zinc                   | .00       | 1.02    | .16     | .38     | 7          | 0         | 3         | YEAR-1981   | .00     | 1.02    | .17     | .41        | 6 |  |
|                        |           |         |         |         |            |           |           | -1983       | .06     | .06     | .06     | -          | 1 |  |
| potassium              | 8.80      | 22.40   | 15.60   | 9.62    | 2          | 0         | 0         | YEAR-1981   | 8.80    | 22.40   | 15.60   | 9.62       | 2 |  |
| silicon                | 3.90      | 3.90    | 3.90    | -       | 1          | 0         | 0         | YEAR-1981   | 3.90    | 3.90    | 3.90    | -          | 1 |  |
| sodium                 | 12.70     | 21.00   | 16.47   | 4.20    | 3          | 0         | 0         | YEAR-1981   | 12.70   | 21.00   | 16.47   | 4.20       | 3 |  |
| barium                 | .00       | .00     | .00     | -       | 1          | 1         | 0         | YEAR-1981   | .00     | .00     | .00     | -          | 1 |  |
| calcium                | 11.10     | 73.20   | 43.85   | 31.19   | 3          | 0         | 0         | YEAR-1981   | 11.10   | 73.20   | 43.85   | 31.19      | 3 |  |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-5

| COMPOUND (UNIT)                  | (Continued) | T O T A L |        |        |        | NO. NO. NO. |    |    |           | Y E A R L Y |        |        |        | NO. PTS |
|----------------------------------|-------------|-----------|--------|--------|--------|-------------|----|----|-----------|-------------|--------|--------|--------|---------|
|                                  |             | MIN       | MAX    | MEAN   | STDDEV | PTS         | BM | ND |           | MIN         | MAX    | MEAN   | STDDEV |         |
| magnesium                        |             | 5.68      | 5.95   | 5.82   | .19    | 2           | 0  | 0  | YEAR-1981 | 5.68        | 5.95   | 5.82   | .19    | 2       |
| MISCELLANEOUS ANALYSES (ppb)     |             |           |        |        |        |             |    |    |           |             |        |        |        |         |
| Alkalinity                       |             | 74.00     | 78.00  | 76.00  | 2.83   | 2           | 0  | 0  | YEAR-1981 | 74.00       | 78.00  | 76.00  | 2.83   | 2       |
| Bicarbonate                      |             | 205.00    | 205.00 | 205.00 | -      | 1           | 0  | 0  | YEAR-1981 | 205.00      | 205.00 | 205.00 | -      | 1       |
| Chloride                         |             | 20.10     | 20.10  | 20.10  | -      | 1           | 0  | 0  | YEAR-1981 | 20.10       | 20.10  | 20.10  | -      | 1       |
| Fluoride                         |             | .12       | .12    | .12    | -      | 1           | 0  | 0  | YEAR-1981 | .12         | .12    | .12    | -      | 1       |
| Redox (mv)                       |             | 40.00     | 40.00  | 40.00  | -      | 1           | 0  | 0  | YEAR-1981 | 40.00       | 40.00  | 40.00  | -      | 1       |
| Sulfate                          |             | 61.30     | 61.30  | 61.30  | -      | 1           | 0  | 0  | YEAR-1981 | 61.30       | 61.30  | 61.30  | -      | 1       |
| Total dissolved solids           |             | 129.00    | 129.00 | 129.00 | -      | 1           | 0  | 0  | YEAR-1981 | 129.00      | 129.00 | 129.00 | -      | 1       |
| Total Cyanide                    |             | .00       | 18.00  | 9.00   | 12.73  | 2           | 0  | 1  | YEAR-1981 | .00         | 18.00  | 9.00   | 12.73  | 2       |
| TOTAL ORGANICS (ppb)             |             |           |        | 8.28   |        |             |    |    |           |             |        |        |        |         |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |             |           |        | 8.28   |        |             |    |    |           |             |        |        |        |         |
| OTHERS                           |             |           |        |        |        |             |    |    |           |             |        |        |        |         |
| pH                               |             | 7.30      | 9.20   | 8.20   | .86    | 5           | 0  | 0  | YEAR-1981 | 7.30        | 9.20   | 8.20   | .86    | 5       |
| Temperature (C)                  |             | 5.30      | 14.80  | 10.81  | 3.66   | 7           | 0  | 0  | YEAR-1981 | 5.30        | 14.80  | 10.81  | 3.66   | 7       |
| TOC (ppm)                        |             | 1.70      | 4.50   | 3.46   | 1.06   | 5           | 0  | 0  | YEAR-1981 | 1.70        | 4.50   | 3.46   | 1.06   | 5       |
| Ammonia (ppm)                    |             | .10       | .62    | .24    | .19    | 6           | 0  | 0  | YEAR-1981 | .10         | .62    | .24    | .19    | 6       |
| Oil & Grease                     |             | .00       | .00    | .00    | .00    | 5           | 3  | 2  | YEAR-1981 | .00         | .00    | .00    | .00    | 5       |
| Specific conductance (umhos)     |             | 253.00    | 253.00 | 253.00 | -      | 1           | 0  | 0  | YEAR-1981 | 253.00      | 253.00 | 253.00 | -      | 1       |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-6

| COMPOUND (UNIT)                  | T O T A L |         |         |         | NO. NO. NO. |    |    |           | Y E A R L Y |         |         |         | NO. PTS |
|----------------------------------|-----------|---------|---------|---------|-------------|----|----|-----------|-------------|---------|---------|---------|---------|
|                                  | MIN       | MAX     | MEAN    | STDDEV  | PTS         | BM | ND |           | MIN         | MAX     | MEAN    | STDDEV  |         |
| ACIDS/PHENOLICS (ppb)            |           |         |         |         | 0           |    | 0  |           |             |         |         |         |         |
| BASE/NEUTRALS (ppb)              |           |         |         |         | 1           |    | 1  |           |             |         |         |         |         |
| VOLATILES (ppb)                  |           |         |         |         |             |    |    |           |             |         |         |         |         |
| toluene                          | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981 | .00         | .00     | .00     | .00     | 4       |
| 1,1,1-trichloroethane            | .00       | 11.00   | 2.75    | 5.50    | 4           | 1  | 2  | YEAR-1981 | .00         | 11.00   | 2.75    | 5.50    | 4       |
| PESTICIDES/PCB'S (ppb)           |           |         |         |         | 0           |    | 0  |           |             |         |         |         |         |
| METALS (ppm)                     |           |         |         |         |             |    |    |           |             |         |         |         |         |
| arsenic                          | .00       | .00     | .00     | .00     | 7           | 5  | 2  | YEAR-1981 | .00         | .00     | .00     | .00     | 7       |
| cadmium                          | .00       | 9.0E-03 | 1.3E-03 | 3.4E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | 9.0E-03 | 1.3E-03 | 3.4E-03 | 7       |
| copper                           | .00       | 6.0E-03 | 8.6E-04 | 2.3E-03 | 7           | 0  | 6  | YEAR-1981 | .00         | 6.0E-03 | 8.6E-04 | 2.3E-03 | 7       |
| potassium                        | 1.14      | 47.50   | 9.11    | 18.81   | 6           | 0  | 0  | YEAR-1981 | 1.14        | 47.50   | 9.11    | 18.81   | 6       |
| silicon                          | 4.20      | 6.20    | 5.20    | 1.41    | 2           | 0  | 0  | YEAR-1981 | 4.20        | 6.20    | 5.20    | 1.41    | 2       |
| sodium                           | .00       | 42.50   | 14.17   | 24.54   | 3           | 2  | 0  | YEAR-1981 | .00         | 42.50   | 14.17   | 24.54   | 3       |
| calcium                          | 6.90      | 104.00  | 73.48   | 39.47   | 6           | 0  | 0  | YEAR-1981 | 6.90        | 104.00  | 73.48   | 39.47   | 6       |
| magnesium                        | 6.48      | 19.09   | 12.65   | 5.07    | 6           | 0  | 0  | YEAR-1981 | 6.48        | 19.09   | 12.65   | 5.07    | 6       |
| MISCELLANEOUS ANALYSES (ppb)     |           |         |         |         |             |    |    |           |             |         |         |         |         |
| Alkalinity                       | 180.00    | 180.00  | 180.00  | -       | 1           | 0  | 0  | YEAR-1981 | 180.00      | 180.00  | 180.00  | -       | 1       |
| Bicarbonate                      | 273.00    | 332.00  | 302.50  | 41.72   | 2           | 0  | 0  | YEAR-1981 | 273.00      | 332.00  | 302.50  | 41.72   | 2       |
| Chloride                         | 53.40     | 60.40   | 56.90   | 4.95    | 2           | 0  | 0  | YEAR-1981 | 53.40       | 60.40   | 56.90   | 4.95    | 2       |
| Fluoride                         | .00       | .13     | .06     | .09     | 2           | 1  | 0  | YEAR-1981 | .00         | .13     | .06     | .09     | 2       |
| Nitrate                          | 1.86      | 3.32    | 2.59    | 1.03    | 2           | 0  | 0  | YEAR-1981 | 1.86        | 3.32    | 2.59    | 1.03    | 2       |
| Redox (mv)                       | -40.00    | 280.00  | 120.00  | 226.27  | 2           | 0  | 0  | YEAR-1981 | -40.00      | 280.00  | 120.00  | 226.27  | 2       |
| Sulfate                          | 47.60     | 61.30   | 54.45   | 9.69    | 2           | 0  | 0  | YEAR-1981 | 47.60       | 61.30   | 54.45   | 9.69    | 2       |
| Total dissolved solids           | 275.00    | 289.00  | 282.00  | 9.90    | 2           | 0  | 0  | YEAR-1981 | 275.00      | 289.00  | 282.00  | 9.90    | 2       |
| Total recoverable phenolics      | .00       | 10.00   | 5.00    | 7.07    | 2           | 0  | 1  | YEAR-1981 | .00         | 10.00   | 5.00    | 7.07    | 2       |
| formaldehyde                     | 40.00     | 100.00  | 70.00   | 42.43   | 2           | 0  | 0  | YEAR-1981 | 40.00       | 100.00  | 70.00   | 42.43   | 2       |
| TOTAL ORGANICS (ppb)             |           |         | 2.75    |         |             |    |    |           |             |         |         |         |         |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |           |         | 2.75    |         |             |    |    |           |             |         |         |         |         |
| OTHERS                           |           |         |         |         |             |    |    |           |             |         |         |         |         |
| pH                               | 7.60      | 9.70    | 8.06    | .66     | 14          | 0  | 0  | YEAR-1981 | 7.60        | 9.70    | 8.06    | .66     | 14      |
| Temperature (C)                  | 9.00      | 17.50   | 12.98   | 1.86    | 15          | 0  | 0  | YEAR-1981 | 9.00        | 17.50   | 12.98   | 1.86    | 15      |
| TOC (ppm)                        | 2.40      | 5.30    | 3.88    | 1.28    | 4           | 0  | 0  | YEAR-1981 | 2.40        | 5.30    | 3.88    | 1.28    | 4       |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-6

|                              |         | ----- T O T A L ----- |        |        |        |         | ----- Y E A R L Y ----- |        |           |        |        |        |        |         |
|------------------------------|---------|-----------------------|--------|--------|--------|---------|-------------------------|--------|-----------|--------|--------|--------|--------|---------|
| COMPOUND (UNIT)              | 2.75ed) | MIN                   | MAX    | MEAN   | STDDEV | NO. PTS | NO. BM                  | NO. ND |           | MIN    | MAX    | MEAN   | STDDEV | NO. PTS |
| Ammonia (ppm)                |         | .03                   | .09    | .06    | .03    | 4       | 0                       | 0      | YEAR-1981 | .03    | .09    | .06    | .03    | 4       |
| Oil & Grease                 |         | .00                   | .00    | .00    | .00    | 4       | 2                       | 2      | YEAR-1981 | .00    | .00    | .00    | .00    | 4       |
| Specific conductance (umhos) |         | 580.00                | 580.00 | 580.00 | .00    | 2       | 0                       | 0      | YEAR-1981 | 580.00 | 580.00 | 580.00 | .00    | 2       |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-7

| COMPOUND (UNIT)              | T O T A L |         |         |         | NO. NO. NO. |    |    | Y E A R L Y |         |         |         |         | NO. |
|------------------------------|-----------|---------|---------|---------|-------------|----|----|-------------|---------|---------|---------|---------|-----|
|                              | MIN       | MAX     | MEAN    | STDDEV  | PTS         | BM | ND | MIN         | MAX     | MEAN    | STDDEV  | PTS     |     |
| ACIDS/PHENOLICS (ppb)        |           |         |         |         | 0           |    | 0  |             |         |         |         |         |     |
| BASE/NEUTRALS (ppb)          |           |         |         |         | 1           |    | 1  |             |         |         |         |         |     |
| VOLATILES (ppb)              |           |         |         |         |             |    |    |             |         |         |         |         |     |
| toluene                      | .00       | 3.00    | .75     | 1.50    | 4           | 0  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | 3.00    | 3.00    | 3.00    | -       | 1   |
| 1,1,2-trichloroethane        | .00       | 1.00    | .25     | .50     | 4           | 0  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | 1.00    | 1.00    | 1.00    | -       | 1   |
| trichlorofluoromethane       | .00       | 6.00    | 1.50    | 3.00    | 4           | 0  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | 6.00    | 6.00    | 6.00    | -       | 1   |
| PESTICIDES/PCB'S (ppb)       |           |         |         |         | 0           |    | 0  |             |         |         |         |         |     |
| METALS (ppm)                 |           |         |         |         |             |    |    |             |         |         |         |         |     |
| arsenic                      | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .00     | .00     | .00     | -       | 1   |
| chromium                     | .00       | .01     | 3.0E-03 | 6.0E-03 | 4           | 0  | 3  | YEAR-1981   | .00     | .01     | 4.0E-03 | 6.9E-03 | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .00     | .00     | .00     | -       | 1   |
| copper                       | .00       | .01     | 3.0E-03 | 6.0E-03 | 4           | 1  | 2  | YEAR-1981   | .00     | .01     | 4.0E-03 | 6.9E-03 | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .00     | .00     | .00     | -       | 1   |
| lead                         | .00       | 7.0E-03 | 1.8E-03 | 3.5E-03 | 4           | 0  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | 7.0E-03 | 7.0E-03 | 7.0E-03 | -       | 1   |
| selenium                     | .00       | .02     | 6.2E-03 | .01     | 4           | 1  | 2  | YEAR-1981   | .00     | .02     | 8.3E-03 | .01     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .00     | .00     | .00     | -       | 1   |
| thallium                     | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .00     | .00     | .00     | -       | 1   |
| zinc                         | .00       | .10     | .02     | .05     | 4           | 0  | 3  | YEAR-1981   | .00     | .00     | .00     | .00     | 3   |
|                              |           |         |         |         |             |    |    | -1983       | .10     | .10     | .10     | -       | 1   |
| potassium                    | 2.70      | 2.70    | 2.70    | -       | 1           | 0  | 0  | YEAR-1981   | 2.70    | 2.70    | 2.70    | -       | 1   |
| silicon                      | 6.20      | 6.20    | 6.20    | -       | 1           | 0  | 0  | YEAR-1981   | 6.20    | 6.20    | 6.20    | -       | 1   |
| sodium                       | 9.50      | 15.12   | 12.31   | 3.97    | 2           | 0  | 0  | YEAR-1981   | 9.50    | 15.12   | 12.31   | 3.97    | 2   |
| calcium                      | 24.90     | 71.70   | 48.30   | 33.09   | 2           | 0  | 0  | YEAR-1981   | 24.90   | 71.70   | 48.30   | 33.09   | 2   |
| magnesium                    | 12.51     | 12.51   | 12.51   | -       | 1           | 0  | 0  | YEAR-1981   | 12.51   | 12.51   | 12.51   | -       | 1   |
| MISCELLANEOUS ANALYSES (ppb) |           |         |         |         |             |    |    |             |         |         |         |         |     |
| Alkalinity                   | 144.00    | 144.00  | 144.00  | -       | 1           | 0  | 0  | YEAR-1981   | 144.00  | 144.00  | 144.00  | -       | 1   |
| Bicarbonate                  | 188.00    | 188.00  | 188.00  | -       | 1           | 0  | 0  | YEAR-1981   | 188.00  | 188.00  | 188.00  | -       | 1   |
| Chloride                     | 37.20     | 37.20   | 37.20   | -       | 1           | 0  | 0  | YEAR-1981   | 37.20   | 37.20   | 37.20   | -       | 1   |
| Fluoride                     | .00       | .00     | .00     | -       | 1           | 1  | 0  | YEAR-1981   | .00     | .00     | .00     | -       | 1   |
| Nitrate                      | 3.45      | 3.45    | 3.45    | -       | 1           | 0  | 0  | YEAR-1981   | 3.45    | 3.45    | 3.45    | -       | 1   |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-7

| COMPOUND (UNIT)                  | (Continued) | T O T A L |        |        |        |            | Y E A R L Y |           |           |        |        | NO.<br>PTS |        |   |
|----------------------------------|-------------|-----------|--------|--------|--------|------------|-------------|-----------|-----------|--------|--------|------------|--------|---|
|                                  |             | MIN       | MAX    | MEAN   | STDDEV | NO.<br>PTS | NO.<br>BM   | NO.<br>ND | MIN       | MAX    | MEAN   |            | STDDEV |   |
| Redox (mv)                       |             | -30.00    | -30.00 | -30.00 | -      | 1          | 0           | 0         | YEAR-1981 | -30.00 | -30.00 | -30.00     | -      | 1 |
| Sulfate                          |             | 69.20     | 69.20  | 69.20  | -      | 1          | 0           | 0         | YEAR-1981 | 69.20  | 69.20  | 69.20      | -      | 1 |
| Total dissolved solids           |             | 308.00    | 308.00 | 308.00 | -      | 1          | 0           | 0         | YEAR-1981 | 308.00 | 308.00 | 308.00     | -      | 1 |
| TOTAL ORGANICS (ppb)             |             |           |        | 2.50   |        |            |             |           |           |        |        |            |        |   |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |             |           |        | 2.50   |        |            |             |           |           |        |        |            |        |   |
| OTHERS                           |             |           |        |        |        |            |             |           |           |        |        |            |        |   |
| pH                               |             | 7.20      | 8.20   | 7.73   | .36    | 5          | 0           | 0         | YEAR-1981 | 7.20   | 8.20   | 7.73       | .36    | 5 |
| Temperature (C)                  |             | 10.10     | 17.40  | 13.08  | 2.69   | 6          | 0           | 0         | YEAR-1981 | 10.10  | 17.40  | 13.08      | 2.69   | 6 |
| TOC (ppm)                        |             | 3.40      | 7.50   | 5.03   | 1.77   | 4          | 0           | 0         | YEAR-1981 | 3.40   | 7.50   | 5.03       | 1.77   | 4 |
| Ammonia (ppm)                    |             | .00       | .05    | .01    | .02    | 4          | 3           | 0         | YEAR-1981 | .00    | .05    | .01        | .02    | 4 |
| Oil & Grease                     |             | .00       | .00    | .00    | .00    | 4          | 2           | 2         | YEAR-1981 | .00    | .00    | .00        | .00    | 4 |
| Specific conductance (umhos)     |             | 470.00    | 470.00 | 470.00 | -      | 1          | 0           | 0         | YEAR-1981 | 470.00 | 470.00 | 470.00     | -      | 1 |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-8

| COMPOUND (UNIT)                   | T O T A L |         |         |         | NO. NO. NO. |    |    |                    | Y E A R L Y |                |                |              | NO.    |
|-----------------------------------|-----------|---------|---------|---------|-------------|----|----|--------------------|-------------|----------------|----------------|--------------|--------|
|                                   | MIN       | MAX     | MEAN    | STDDEV  | PTS         | BM | ND |                    | MIN         | MAX            | MEAN           | STDDEV       |        |
| ACIDS/PHENOLICS (ppb)             |           |         |         |         | 1           |    | 1  |                    |             |                |                |              |        |
| BASE/NEUTRALS (ppb)               |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| diethylphthalate                  | .00       | 2.00    | .67     | 1.15    | 3           | 0  | 2  | YEAR-1981<br>-1983 | .00<br>2.00 | .00<br>2.00    | .00<br>2.00    | .00<br>-     | 2<br>1 |
| VOLATILES (ppb)                   |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| 1,2-dichloropropane               | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981<br>-1983 | .00<br>.00  | .00<br>.00     | .00<br>.00     | .00<br>-     | 3<br>1 |
| methylene chloride                | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981<br>-1983 | .00<br>.00  | .00<br>.00     | .00<br>.00     | .00<br>-     | 3<br>1 |
| toluene                           | .00       | .00     | .00     | .00     | 4           | 1  | 3  | YEAR-1981<br>-1983 | .00<br>.00  | .00<br>.00     | .00<br>.00     | .00<br>-     | 3<br>1 |
| trichlorofluoromethane            | .00       | 6.00    | 1.50    | 3.00    | 4           | 0  | 3  | YEAR-1981<br>-1983 | .00<br>6.00 | .00<br>6.00    | .00<br>6.00    | .00<br>-     | 3<br>1 |
| PESTICIDES/PCB'S (ppb)            |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| delta-BHC                         | .03       | .03     | .03     | -       | 1           | 0  | 0  | YEAR-1981          | .03         | .03            | .03            | -            | 1      |
| OTHER NON-PRIORITY ORGANICS (ppb) |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| C11 C17 saturated hydrocarbons    | 40.00     | 40.00   | 40.00   | -       | 1           | 0  | 0  | YEAR-1981          | 40.00       | 40.00          | 40.00          | -            | 1      |
| METALS (ppm)                      |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| antimony                          | .00       | 2.10    | .42     | .94     | 5           | 0  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | 2.10<br>.00    | .52<br>.00     | 1.05<br>-    | 4<br>1 |
| arsenic                           | .00       | .00     | .00     | .00     | 5           | 1  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | .00<br>.00     | .00<br>.00     | .00<br>-     | 4<br>1 |
| chromium                          | .00       | 8.0E-03 | 1.6E-03 | 3.6E-03 | 5           | 0  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | 8.0E-03<br>.00 | 2.0E-03<br>.00 | 4.0E-03<br>- | 4<br>1 |
| lead                              | .00       | .00     | .00     | .00     | 5           | 1  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | .00<br>.00     | .00<br>.00     | .00<br>-     | 4<br>1 |
| nickel                            | .00       | .04     | 8.0E-03 | .02     | 5           | 1  | 3  | YEAR-1981<br>-1983 | .00<br>.00  | .04<br>.00     | .01<br>.00     | .02<br>-     | 4<br>1 |
| selenium                          | .00       | .04     | 7.2E-03 | .02     | 5           | 0  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | .04<br>.00     | 9.0E-03<br>.00 | .02<br>-     | 4<br>1 |
| silver                            | .00       | .02     | 4.0E-03 | 8.9E-03 | 5           | 0  | 4  | YEAR-1981<br>-1983 | .00<br>.00  | .02<br>.00     | 5.0E-03<br>.00 | .01<br>-     | 4<br>1 |
| zinc                              | .00       | .05     | .02     | .02     | 5           | 0  | 2  | YEAR-1981<br>-1983 | .00<br>.05  | .02<br>.05     | 8.5E-03<br>.05 | .01<br>-     | 4<br>1 |
| potassium                         | 2.20      | 2.20    | 2.20    | -       | 1           | 0  | 0  | YEAR-1981          | 2.20        | 2.20           | 2.20           | -            | 1      |
| silicon                           | 2.20      | 2.20    | 2.20    | -       | 1           | 0  | 0  | YEAR-1981          | 2.20        | 2.20           | 2.20           | -            | 1      |
| sodium                            | 9.80      | 9.80    | 9.80    | -       | 1           | 0  | 0  | YEAR-1981          | 9.80        | 9.80           | 9.80           | -            | 1      |
| calcium                           | 62.80     | 62.80   | 62.80   | -       | 1           | 0  | 0  | YEAR-1981          | 62.80       | 62.80          | 62.80          | -            | 1      |
| magnesium                         | 10.88     | 10.88   | 10.88   | -       | 1           | 0  | 0  | YEAR-1981          | 10.88       | 10.88          | 10.88          | -            | 1      |
| MISCELLANEOUS ANALYSES (ppb)      |           |         |         |         |             |    |    |                    |             |                |                |              |        |
| Alkalinity                        | 224.00    | 224.00  | 224.00  | -       | 1           | 0  | 0  | YEAR-1981          | 224.00      | 224.00         | 224.00         | -            | 1      |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-8

| COMPOUND (UNIT)                  | (Continued) | T O T A L |        |        |        |            | Y E A R L Y |           |           |        |        | NO.<br>PTS |        |   |
|----------------------------------|-------------|-----------|--------|--------|--------|------------|-------------|-----------|-----------|--------|--------|------------|--------|---|
|                                  |             | MIN       | MAX    | MEAN   | STDDEV | NO.<br>PTS | NO.<br>BM   | NO.<br>ND | MIN       | MAX    | MEAN   |            | STDDEV |   |
| Bicarbonate                      |             | 173.00    | 173.00 | 173.00 | -      | 1          | 0           | 0         | YEAR-1981 | 173.00 | 173.00 | 173.00     | -      | 1 |
| Chloride                         |             | 28.20     | 28.20  | 28.20  | -      | 1          | 0           | 0         | YEAR-1981 | 28.20  | 28.20  | 28.20      | -      | 1 |
| Fluoride                         |             | .00       | .00    | .00    | -      | 1          | 1           | 0         | YEAR-1981 | .00    | .00    | .00        | -      | 1 |
| Nitrate                          |             | 3.74      | 3.74   | 3.74   | -      | 1          | 0           | 0         | YEAR-1981 | 3.74   | 3.74   | 3.74       | -      | 1 |
| Redox (mv)                       |             | 90.00     | 90.00  | 90.00  | -      | 1          | 0           | 0         | YEAR-1981 | 90.00  | 90.00  | 90.00      | -      | 1 |
| Sulfate                          |             | 38.00     | 38.00  | 38.00  | -      | 1          | 0           | 0         | YEAR-1981 | 38.00  | 38.00  | 38.00      | -      | 1 |
| Total Cyanide                    |             | 12.00     | 12.00  | 12.00  | -      | 1          | 0           | 0         | YEAR-1981 | 12.00  | 12.00  | 12.00      | -      | 1 |
| Total recoverable phenolics      |             | 50.00     | 50.00  | 50.00  | -      | 1          | 0           | 0         | YEAR-1981 | 50.00  | 50.00  | 50.00      | -      | 1 |
| formaldehyde                     |             | 100.00    | 110.00 | 105.00 | 7.07   | 2          | 0           | 0         | YEAR-1981 | 100.00 | 110.00 | 105.00     | 7.07   | 2 |
| TOTAL ORGANICS (ppb)             |             |           |        | 42.20  |        |            |             |           |           |        |        |            |        |   |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |             |           |        | 42.20  |        |            |             |           |           |        |        |            |        |   |
| OTHERS                           |             |           |        |        |        |            |             |           |           |        |        |            |        |   |
| pH                               |             | 6.80      | 8.30   | 7.44   | .55    | 5          | 0           | 0         | YEAR-1981 | 6.80   | 8.30   | 7.44       | .55    | 5 |
| Temperature (C)                  |             | 7.60      | 15.20  | 12.45  | 2.86   | 6          | 0           | 0         | YEAR-1981 | 7.60   | 15.20  | 12.45      | 2.86   | 6 |
| TOC (ppm)                        |             | 3.50      | 4.80   | 4.10   | .55    | 4          | 0           | 0         | YEAR-1981 | 3.50   | 4.80   | 4.10       | .55    | 4 |
| Ammonia (ppm)                    |             | .00       | .04    | .01    | .02    | 3          | 0           | 2         | YEAR-1981 | .00    | .04    | .01        | .02    | 3 |
| Oil & Grease                     |             | .00       | .00    | .00    | .00    | 3          | 2           | 1         | YEAR-1981 | .00    | .00    | .00        | .00    | 3 |
| Specific conductance (umhos)     |             | 460.00    | 460.00 | 460.00 | -      | 1          | 0           | 0         | YEAR-1981 | 460.00 | 460.00 | 460.00     | -      | 1 |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0

STATISTICAL SUMMARY OF BORINGS AT AIRPORT  
A-9

| COMPOUND (UNIT)                  | T O T A L |        |         |         |            | Y E A R L Y |           |           |        |        | NO.<br>PTS |         |   |
|----------------------------------|-----------|--------|---------|---------|------------|-------------|-----------|-----------|--------|--------|------------|---------|---|
|                                  | MIN       | MAX    | MEAN    | STDDEV  | NO.<br>PTS | NO.<br>BM   | NO.<br>ND | MIN       | MAX    | MEAN   |            | STDDEV  |   |
| ACIDS/PHENOLICS (ppb)            |           |        |         |         | 0          |             | 0         |           |        |        |            |         |   |
| BASE/NEUTRALS (ppb)              |           |        |         |         |            |             |           |           |        |        |            |         |   |
| 2-(1,1-Dimethyl)-6-methyl-pheno  | 5.00      | 5.00   | 5.00    | -       | 1          | 0           | 0         | YEAR-1981 | 5.00   | 5.00   | 5.00       | -       | 1 |
| bicyclo[3.1.0]hexan-2-one,1,5-b  | 4.00      | 4.00   | 4.00    | -       | 1          | 0           | 0         | YEAR-1981 | 4.00   | 4.00   | 4.00       | -       | 1 |
| organic phosphate ester          | 1.00      | 1.00   | 1.00    | -       | 1          | 0           | 0         | YEAR-1981 | 1.00   | 1.00   | 1.00       | -       | 1 |
| VOLATILES (ppb)                  |           |        |         |         |            |             |           |           |        |        |            |         |   |
| toluene                          | .00       | 2.00   | .67     | 1.15    | 3          | 1           | 1         | YEAR-1981 | .00    | 2.00   | .67        | 1.15    | 3 |
| PESTICIDES/PCB'S (ppb)           |           |        |         |         | 0          |             | 0         |           |        |        |            |         |   |
| METALS (ppm)                     |           |        |         |         |            |             |           |           |        |        |            |         |   |
| silver                           | .00       | .02    | 2.4E-03 | 6.4E-03 | 7          | 0           | 6         | YEAR-1981 | .00    | .02    | 2.4E-03    | 6.4E-03 | 7 |
| zinc                             | .00       | .05    | 7.0E-03 | .02     | 7          | 0           | 6         | YEAR-1981 | .00    | .05    | 7.0E-03    | .02     | 7 |
| potassium                        | 4.90      | 39.40  | 20.04   | 13.18   | 6          | 0           | 0         | YEAR-1981 | 4.90   | 39.40  | 20.04      | 13.18   | 6 |
| silicon                          | 10.70     | 10.70  | 10.70   | -       | 1          | 0           | 0         | YEAR-1981 | 10.70  | 10.70  | 10.70      | -       | 1 |
| sodium                           | .02       | 71.30  | 32.28   | 34.89   | 5          | 0           | 0         | YEAR-1981 | .02    | 71.30  | 32.28      | 34.89   | 5 |
| calcium                          | 11.90     | 250.90 | 67.36   | 102.86  | 5          | 0           | 0         | YEAR-1981 | 11.90  | 250.90 | 67.36      | 102.86  | 5 |
| magnesium                        | .26       | 23.00  | 7.86    | 13.11   | 3          | 0           | 0         | YEAR-1981 | .26    | 23.00  | 7.86       | 13.11   | 3 |
| MISCELLANEOUS ANALYSES (ppb)     |           |        |         |         |            |             |           |           |        |        |            |         |   |
| Alkalinity                       | 314.00    | 518.00 | 416.00  | 144.25  | 2          | 0           | 0         | YEAR-1981 | 314.00 | 518.00 | 416.00     | 144.25  | 2 |
| Bicarbonate                      | 264.00    | 459.00 | 361.50  | 137.89  | 2          | 0           | 0         | YEAR-1981 | 264.00 | 459.00 | 361.50     | 137.89  | 2 |
| Chloride                         | 10.10     | 56.40  | 33.25   | 32.74   | 2          | 0           | 0         | YEAR-1981 | 10.10  | 56.40  | 33.25      | 32.74   | 2 |
| Fluoride                         | .26       | .34    | .30     | .06     | 2          | 0           | 0         | YEAR-1981 | .26    | .34    | .30        | .06     | 2 |
| Nitrate                          | .16       | .68    | .42     | .37     | 2          | 0           | 0         | YEAR-1981 | .16    | .68    | .42        | .37     | 2 |
| Redox (mv)                       | -10.00    | -10.00 | -10.00  | -       | 1          | 0           | 0         | YEAR-1981 | -10.00 | -10.00 | -10.00     | -       | 1 |
| Sulfate                          | 81.40     | 83.00  | 82.20   | 1.13    | 2          | 0           | 0         | YEAR-1981 | 81.40  | 83.00  | 82.20      | 1.13    | 2 |
| Total dissolved solids           | 210.00    | 256.00 | 233.00  | 32.53   | 2          | 0           | 0         | YEAR-1981 | 210.00 | 256.00 | 233.00     | 32.53   | 2 |
| TOTAL ORGANICS (ppb)             |           |        | 10.67   |         |            |             |           |           |        |        |            |         |   |
| TOTAL ORGANICS - Methyl.Cl.(ppb) |           |        | 10.67   |         |            |             |           |           |        |        |            |         |   |
| OTHERS                           |           |        |         |         |            |             |           |           |        |        |            |         |   |
| pH                               | 8.60      | 11.45  | 10.09   | 1.21    | 8          | 0           | 0         | YEAR-1981 | 8.60   | 11.45  | 10.09      | 1.21    | 8 |
| Temperature (C)                  | 6.00      | 13.90  | 9.21    | 2.52    | 8          | 0           | 0         | YEAR-1981 | 6.00   | 13.90  | 9.21       | 2.52    | 8 |
| TOC (ppm)                        | 3.50      | 7.10   | 5.30    | 2.55    | 2          | 0           | 0         | YEAR-1981 | 3.50   | 7.10   | 5.30       | 2.55    | 2 |
| Ammonia (ppm)                    | .48       | 1.12   | .80     | .45     | 2          | 0           | 0         | YEAR-1981 | .48    | 1.12   | .80        | .45     | 2 |
| Oil & Grease                     | .00       | .00    | .00     | .00     | 2          | 2           | 0         | YEAR-1981 | .00    | .00    | .00        | .00     | 2 |
| Specific conductance (umhos)     | 700.00    | 700.00 | 700.00  | -       | 1          | 0           | 0         | YEAR-1981 | 700.00 | 700.00 | 700.00     | -       | 1 |

Note: No. of points for total for group of compounds = no. of samplings.  
 Compounds having all analyses equal ND are not listed but no. of pts for group is listed  
 Group of compounds not analyzed is shown by no. of pts = 0  
 BMDL = 0