UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XJBAPAT

RAW DATA REPORT

Report Request ID: 1395330

Report Code: AMP350

Dec. 15, 2015

GEOGRAPHIC SELECTIONS

| Tribal Code | State | County | Site | Parameter | POC | City | AQCR | UAR | CBSA | CSA | EPA Region |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 37 | | | | | | | | | | |

PROTOCOL SELECTIONS

| Parameter Classification | Parameter | Method | Duration |
|---|---|---|---|
| CRITERIA | 42602 | | |

SELECTED OPTIONS

| Option Type | Option Value |
|---|---|
| RAW DATA EVENTS | INCLUDE EVENTS |
| DAILY STATISTICS | MAXIMUM |
| UNITS | STANDARD |
| MERGE PDF FILES | YES |
| INCLUDE NULLS | YES |
| AGENCY ROLE | PQAO |

SORT ORDER

| Order | Column |
|---|---|
| 1 | STATE_CODE |
| 2 | COUNTY_CODE |
| 3 | SITE_ID |
| 4 | PARAMETER_CODE |
| 5 | POC |

DATE CRITERIA

| Start Date | End Date |
|---|---|
| 2011 01 01 | 2011 12 31 |

APPLICABLE STANDARDS

| Standard Description |
|---|
| NO2 Annual 1971 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

Dec. 15, 2015

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29.0 | 30.0 | 32.0 | 25.0 | 20.0 | 25.0 | 21.0 | 23.0 | 21.0 | 17.0 | 13.0 | 13.0 | 9.0 | 9.0 | 10.0 | 9.0 | 12.0 | 13.0 | 6.0 | 9.0 | 11.0 | 14.0 | 3.0 | 2.0 | 24 | 32.0 |
| 2 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 4.0 | 4.0 | .0 | 2.0 | 1.0 | 1.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 8.0 | 5.0 | 5.0 | 24 | 8.0 |
| 3 | 3.0 | 4.0 | 9.0 | 6.0 | 8.0 | 14.0 | 22.0 | 26.0 | 23.0 | 9.0 | 2.0 | 1.0 | .0 | 3.0 | 4.0 | 7.0 | 9.0 | 19.0 | 30.0 | 35.0 | 32.0 | 29.0 | 30.0 | 32.0 | 24 | 35.0 |
| 4 | 32.0 | 31.0 | 27.0 | 26.0 | 23.0 | 26.0 | 25.0 | 26.0 | BF | BF | BF | 13.0 | 9.0 | 9.0 | 10.0 | 9.0 | 15.0 | 22.0 | 17.0 | 25.0 | 27.0 | 11.0 | 14.0 | 17.0 | 21 | 32.0 |
| 5 | 26.0 | 25.0 | 22.0 | 24.0 | 30.0 | 29.0 | 28.0 | 39.0 | 30.0 | 29.0 | 28.0 | 25.0 | 18.0 | 16.0 | 14.0 | 21.0 | 27.0 | 31.0 | 34.0 | 24.0 | 21.0 | 27.0 | 26.0 | 22.0 | 24 | 39.0 |
| 6 | 14.0 | 13.0 | 14.0 | 17.0 | 14.0 | 4.0 | 5.0 | 15.0 | 25.0 | 13.0 | 4.0 | 4.0 | 3.0 | 1.0 | 2.0 | 3.0 | 7.0 | 11.0 | 12.0 | 10.0 | 12.0 | 11.0 | 11.0 | 9.0 | 24 | 25.0 |
| 7 | 7.0 | 6.0 | 7.0 | 5.0 | 13.0 | 10.0 | 15.0 | 17.0 | 25.0 | BC | BC | BC | BC | BC | BC | BC | 8.0 | 13.0 | 8.0 | 7.0 | 10.0 | 9.0 | 8.0 | 7.0 | 17 | 25.0 |
| 8 | 11.0 | 13.0 | 16.0 | 17.0 | 5.0 | 4.0 | 3.0 | 7.0 | 7.0 | 5.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 3.0 | 24 | 17.0 |
| 9 | 2.0 | 3.0 | 4.0 | 4.0 | 7.0 | 6.0 | 4.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 10.0 | 20.0 | 23.0 | 18.0 | 17.0 | 13.0 | 11.0 | 24 | 23.0 |
| 10 | 8.0 | 10.0 | 6.0 | 6.0 | 2.0 | 3.0 | 5.0 | 7.0 | 11.0 | 7.0 | 5.0 | 4.0 | 4.0 | 6.0 | 6.0 | 4.0 | 5.0 | 8.0 | 7.0 | 4.0 | 5.0 | 6.0 | 3.0 | 2.0 | 24 | 11.0 |
| 11 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 6.0 | 8.0 | 10.0 | 8.0 | 11.0 | 10.0 | 11.0 | 8.0 | 7.0 | 5.0 | 5.0 | 5.0 | 24 | 11.0 |
| 12 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 4.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 5.0 | 4.0 | 24 | 7.0 |
| 13 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 10.0 | 8.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 10.0 | 12.0 | 13.0 | 8.0 | 8.0 | 8.0 | 11.0 | 24 | 13.0 |
| 14 | 22.0 | 21.0 | 26.0 | 33.0 | 33.0 | 18.0 | 25.0 | 29.0 | 32.0 | 18.0 | 17.0 | 17.0 | 9.0 | 5.0 | 5.0 | 6.0 | 9.0 | 20.0 | 37.0 | 43.0 | 42.0 | 37.0 | 35.0 | 28.0 | 24 | 43.0 |
| 15 | 24.0 | 25.0 | 30.0 | 33.0 | 31.0 | 30.0 | 28.0 | 25.0 | 23.0 | 18.0 | 13.0 | 15.0 | 10.0 | 8.0 | 6.0 | 6.0 | 9.0 | 13.0 | 18.0 | 19.0 | 13.0 | 18.0 | 19.0 | 24.0 | 24 | 33.0 |
| 16 | 25.0 | 30.0 | 31.0 | 34.0 | 34.0 | 29.0 | 31.0 | 36.0 | 26.0 | 8.0 | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 9.0 | 21.0 | 21.0 | 20.0 | 17.0 | 17.0 | 17.0 | 24 | 36.0 |
| 17 | 19.0 | 8.0 | 7.0 | 6.0 | 5.0 | 4.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 8.0 | 9.0 | 8.0 | 8.0 | 7.0 | 8.0 | 6.0 | 6.0 | 6.0 | 6.0 | 4.0 | 24 | 19.0 |
| 18 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 8.0 | 8.0 | 7.0 | 9.0 | 16.0 | 20.0 | 21.0 | 19.0 | 24.0 | 26.0 | 24.0 | 23.0 | 18.0 | 17.0 | 13.0 | 24 | 26.0 |
| 19 | 11.0 | 8.0 | 7.0 | 6.0 | 6.0 | 9.0 | 9.0 | 12.0 | 10.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 | 10.0 | 10.0 | 17.0 | 14.0 | 10.0 | 7.0 | 24 | 17.0 |
| 20 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 10.0 | 13.0 | 16.0 | 18.0 | 15.0 | 13.0 | 10.0 | 5.0 | 7.0 | 9.0 | 9.0 | 9.0 | 16.0 | 22.0 | 16.0 | 16.0 | 14.0 | 12.0 | 14.0 | 24 | 22.0 |
| 21 | 14.0 | 14.0 | 8.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 10.0 | 11.0 | 11.0 | 5.0 | 3.0 | 3.0 | 2.0 | 24 | 14.0 |
| 22 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 10.0 | 12.0 | 24.0 | 36.0 | 37.0 | 32.0 | 33.0 | 24 | 37.0 |
| 23 | 33.0 | 32.0 | 29.0 | 27.0 | 28.0 | 28.0 | 26.0 | 29.0 | 21.0 | 14.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 8.0 | 21.0 | 33.0 | 38.0 | 27.0 | 17.0 | 5.0 | 24 | 38.0 |
| 24 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 4.0 | 4.0 | 6.0 | 8.0 | 8.0 | 9.0 | 9.0 | 11.0 | 16.0 | 28.0 | 33.0 | 29.0 | 31.0 | 28.0 | 29.0 | 24 | 33.0 |
| 25 | 25.0 | 25.0 | 30.0 | 34.0 | 31.0 | 31.0 | 28.0 | 25.0 | 28.0 | 26.0 | 32.0 | BF | BF | BF | 39.0 | 35.0 | 23.0 | 33.0 | 33.0 | 23.0 | 18.0 | 13.0 | 9.0 | 9.0 | 21 | 39.0 |
| 26 | 8.0 | 7.0 | 6.0 | 3.0 | 3.0 | 1.0 | 2.0 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 5.0 | 11.0 | 12.0 | 14.0 | 14.0 | 16.0 | 11.0 | 10.0 | 8.0 | 5.0 | 4.0 | 5.0 | 24 | 16.0 |
| 27 | 10.0 | 9.0 | 6.0 | 5.0 | 7.0 | 7.0 | 13.0 | 18.0 | 14.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 14.0 | 33.0 | 40.0 | 38.0 | 36.0 | 32.0 | 34.0 | 24 | 40.0 |
| 28 | 33.0 | 26.0 | 29.0 | 22.0 | 22.0 | 27.0 | 28.0 | 28.0 | 24.0 | 23.0 | 20.0 | 9.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 10.0 | 22.0 | 32.0 | 24.0 | 25.0 | 27.0 | 30.0 | 24 | 33.0 |
| 29 | 35.0 | 33.0 | 27.0 | 29.0 | 27.0 | 23.0 | 26.0 | 24.0 | 23.0 | 18.0 | 11.0 | 7.0 | 8.0 | 9.0 | 8.0 | 6.0 | 5.0 | 7.0 | 11.0 | 14.0 | 11.0 | 22.0 | 24.0 | 32.0 | 24 | 35.0 |
| 30 | 32.0 | 30.0 | 32.0 | 32.0 | 32.0 | 26.0 | 18.0 | 15.0 | 22.0 | 24.0 | 19.0 | 13.0 | 6.0 | 6.0 | 5.0 | 7.0 | 8.0 | 12.0 | 15.0 | 13.0 | 17.0 | 8.0 | 5.0 | 4.0 | 24 | 32.0 |
| 31 | 6.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 24 | 7.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 35.0 | 33.0 | 32.0 | 34.0 | 34.0 | 31.0 | 31.0 | 39.0 | 32.0 | 29.0 | 32.0 | 25.0 | 18.0 | 16.0 | 39.0 | 35.0 | 27.0 | 33.0 | 37.0 | 43.0 | 42.0 | 37.0 | 35.0 | 34.0 | | |
| AVG: | 14.71 | 14.10 | 14.00 | 13.71 | 13.29 | 12.61 | 13.32 | 15.13 | 14.40 | 10.34 | 8.24 | 6.31 | 4.90 | 5.59 | 7.00 | 7.40 | 8.48 | 12.87 | 16.61 | 17.71 | 17.19 | 15.87 | 14.06 | 13.71 | | |

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: 12.23 MONTHLY MAX: 43.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 8.0 | 8.0 | 10.0 | 8.0 | 6.0 | 7.0 | 7.0 | 9.0 | 15.0 | 19.0 | 13.0 | 15.0 | 20.0 | 21.0 | 24.0 | 27.0 | 24.0 | 25.0 | 23.0 | 24 | 27.0 |
| 2 | 15.0 | 4.0 | 4.0 | 6.0 | 10.0 | 8.0 | 12.0 | 12.0 | 13.0 | 9.0 | 8.0 | 5.0 | 5.0 | 6.0 | 4.0 | 6.0 | 8.0 | 8.0 | 6.0 | 5.0 | 6.0 | 6.0 | 5.0 | 4.0 | 24 | 15.0 |
| 3 | 4.0 | 3.0 | 3.0 | 2.0 | 8.0 | 6.0 | 6.0 | 9.0 | 6.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 6.0 | 7.0 | 9.0 | 9.0 | 13.0 | 10.0 | 11.0 | 24 | 13.0 |
| 4 | 8.0 | 10.0 | 14.0 | 7.0 | 5.0 | 10.0 | 20.0 | 23.0 | 15.0 | 13.0 | 10.0 | 13.0 | 16.0 | 15.0 | 17.0 | 16.0 | 12.0 | 10.0 | 10.0 | 8.0 | 10.0 | 12.0 | 10.0 | 8.0 | 24 | 23.0 |
| 5 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 8.0 | 8.0 | 6.0 | 6.0 | 8.0 | 8.0 | 7.0 | 11.0 | 17.0 | 17.0 | 5.0 | 5.0 | 5.0 | 24 | 17.0 |
| 6 | 4.0 | 6.0 | 6.0 | 13.0 | 18.0 | 22.0 | 23.0 | 22.0 | 19.0 | 12.0 | 2.0 | 1.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 23.0 | 35.0 | 33.0 | 31.0 | 27.0 | 30.0 | 24 | 35.0 |
| 7 | 33.0 | 34.0 | 28.0 | 23.0 | 26.0 | 25.0 | 25.0 | 20.0 | 23.0 | 22.0 | 20.0 | 20.0 | 25.0 | 19.0 | 8.0 | 9.0 | 11.0 | 16.0 | 22.0 | 33.0 | 28.0 | 15.0 | 14.0 | 13.0 | 24 | 34.0 |
| 8 | 11.0 | 10.0 | 11.0 | 11.0 | 9.0 | 6.0 | 6.0 | 9.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 8.0 | 7.0 | 8.0 | 6.0 | 10.0 | 8.0 | 10.0 | 24 | 11.0 |
| 9 | 14.0 | 20.0 | 6.0 | 3.0 | 5.0 | 6.0 | 9.0 | 16.0 | 9.0 | 5.0 | 5.0 | BF | BF | BF | 6.0 | 6.0 | 8.0 | 13.0 | 11.0 | 8.0 | 12.0 | 12.0 | 22.0 | 22.0 | 21 | 22.0 |
| 10 | 19.0 | 3.0 | 5.0 | 6.0 | 5.0 | 12.0 | 12.0 | 9.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 7.0 | 26.0 | 44.0 | 36.0 | 31.0 | 30.0 | 28.0 | 24 | 44.0 |
| 11 | 26.0 | 27.0 | 20.0 | 23.0 | 35.0 | 33.0 | 27.0 | 28.0 | 30.0 | 31.0 | 19.0 | 9.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 7.0 | 24.0 | 40.0 | 39.0 | 39.0 | 13.0 | 14.0 | 24 | 40.0 |
| 12 | 16.0 | 14.0 | 19.0 | 22.0 | 22.0 | 20.0 | 15.0 | 21.0 | 7.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 10.0 | 10.0 | 8.0 | 6.0 | 10.0 | 16.0 | 24 | 22.0 |
| 13 | 19.0 | 28.0 | 16.0 | 24.0 | 28.0 | 30.0 | 24.0 | 20.0 | 14.0 | 8.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 11.0 | 18.0 | 18.0 | 10.0 | 7.0 | 6.0 | 24 | 30.0 |
| 14 | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 11.0 | 20.0 | 16.0 | 14.0 | 13.0 | 8.0 | 8.0 | 8.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 24 | 20.0 |
| 15 | 5.0 | 4.0 | 6.0 | 5.0 | 7.0 | 10.0 | 22.0 | 27.0 | 13.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | 3.0 | 6.0 | 17.0 | 26.0 | 28.0 | 26.0 | 23.0 | 22.0 | 24 | 28.0 |
| 16 | 16.0 | 12.0 | 11.0 | 14.0 | 12.0 | 18.0 | 29.0 | 36.0 | 27.0 | 12.0 | 7.0 | 5.0 | 4.0 | 4.0 | 5.0 | 6.0 | 11.0 | 13.0 | 24.0 | 33.0 | 26.0 | 46.0 | 37.0 | 35.0 | 24 | 46.0 |
| 17 | 33.0 | 29.0 | 29.0 | 35.0 | 35.0 | 35.0 | 33.0 | 29.0 | 32.0 | 28.0 | 23.0 | 15.0 | 8.0 | 5.0 | 4.0 | 4.0 | 6.0 | 8.0 | 11.0 | 14.0 | 23.0 | 11.0 | 8.0 | 6.0 | 24 | 35.0 |
| 18 | 5.0 | 4.0 | 3.0 | 2.0 | 4.0 | 8.0 | 18.0 | 14.0 | 15.0 | 10.0 | 9.0 | 9.0 | 7.0 | 8.0 | 10.0 | 9.0 | 8.0 | 8.0 | 8.0 | 10.0 | 14.0 | 9.0 | 8.0 | 6.0 | 24 | 18.0 |
| 19 | 6.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 2.0 | 4.0 | 4.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 5.0 | 7.0 | 7.0 | 7.0 | 9.0 | 5.0 | 24 | 9.0 |
| 20 | 4.0 | 4.0 | 2.0 | 2.0 | 1.0 | 3.0 | 5.0 | 9.0 | 7.0 | 2.0 | 1.0 | 3.0 | 5.0 | 3.0 | 2.0 | 3.0 | 4.0 | 6.0 | 14.0 | 11.0 | 7.0 | 4.0 | 5.0 | 5.0 | 24 | 14.0 |
| 21 | 6.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 8.0 | 11.0 | 13.0 | 8.0 | 8.0 | 7.0 | 6.0 | 7.0 | 7.0 | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 24 | 13.0 |
| 22 | 3.0 | 2.0 | 2.0 | 5.0 | 4.0 | 4.0 | 5.0 | 6.0 | 5.0 | 3.0 | 2.0 | BF | BF | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 5.0 | 5.0 | 4.0 | 22 | 6.0 |
| 23 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 9.0 | 7.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 6.0 | 7.0 | 17.0 | 31.0 | 27.0 | 22.0 | 17.0 | 17.0 | 24 | 31.0 |
| 24 | 15.0 | 20.0 | 18.0 | 18.0 | 22.0 | 22.0 | 24.0 | 26.0 | 19.0 | 16.0 | 12.0 | 14.0 | 13.0 | 19.0 | 22.0 | 21.0 | 17.0 | 30.0 | 25.0 | 26.0 | 28.0 | 27.0 | 24.0 | 27.0 | 24 | 30.0 |
| 25 | 24.0 | 16.0 | 15.0 | 5.0 | 1.0 | 2.0 | 5.0 | 7.0 | 7.0 | 5.0 | 2.0 | 2.0 | 4.0 | 2.0 | 3.0 | 4.0 | 4.0 | 6.0 | 7.0 | 5.0 | 6.0 | 5.0 | 8.0 | 6.0 | 24 | 24.0 |
| 26 | 3.0 | 2.0 | 2.0 | 3.0 | 6.0 | 6.0 | 5.0 | 7.0 | 5.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 9.0 | 14.0 | 27.0 | 25.0 | 17.0 | 14.0 | 24 | 27.0 |
| 27 | 10.0 | 8.0 | 8.0 | 9.0 | 9.0 | 11.0 | 13.0 | 13.0 | 10.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 9.0 | 10.0 | 10.0 | 17.0 | 18.0 | 12.0 | 22.0 | 28.0 | 21.0 | 9.0 | 24 | 28.0 |
| 28 | 5.0 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | 4.0 | 7.0 | 4.0 | 3.0 | 2.0 | 1.0 | BA | BA | BA | 3.0 | 4.0 | 6.0 | 3.0 | 13.0 | 11.0 | 6.0 | 2.0 | 4.0 | 21 | 13.0 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 25 | 26 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| MAX: | 33.0 | 34.0 | 29.0 | 35.0 | 35.0 | 35.0 | 33.0 | 36.0 | 32.0 | 31.0 | 23.0 | 20.0 | 25.0 | 19.0 | 22.0 | 21.0 | 17.0 | 30.0 | 26.0 | 44.0 | 39.0 | 46.0 | 37.0 | 35.0 | | |
| AVG: | 11.50 | 10.32 | 9.21 | 9.54 | 10.79 | 11.82 | 13.61 | 15.36 | 12.25 | 8.71 | 6.61 | 5.92 | 6.20 | 6.12 | 5.93 | 6.04 | 6.54 | 8.86 | 12.96 | 17.00 | 17.46 | 15.86 | 13.50 | 12.82 | | |

MONTHLY OBSERVATIONS: 664 MONTHLY MEAN: 10.68 MONTHLY MAX: 46.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.0 | 2.0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | BC | BC | BC | BC | 2.0 | 1.0 | 3.0 | 10.0 | 19.0 | 22.0 | 16.0 | 26.0 | 27.0 | 20 | 27.0 |
| 2 | 19.0 | 17.0 | 17.0 | 25.0 | 25.0 | 33.0 | 29.0 | 32.0 | 24.0 | 14.0 | 8.0 | 9.0 | 6.0 | 3.0 | 3.0 | 4.0 | 4.0 | 9.0 | 16.0 | 15.0 | 6.0 | 16.0 | 14.0 | 3.0 | 24 | 33.0 |
| 3 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | 6.0 | 10.0 | 14.0 | 10.0 | 15.0 | 12.0 | 5.0 | 24 | 15.0 |
| 4 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 6.0 | 8.0 | 6.0 | 4.0 | 2.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 6.0 | 11.0 | 15.0 | 8.0 | 6.0 | 6.0 | 24 | 15.0 |
| 5 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 5.0 | 2.0 | .0 | .0 | 24 | 5.0 |
| 6 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 24 | 4.0 |
| 7 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 6.0 | 10.0 | 21.0 | 5.0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 12.0 | 12.0 | 24.0 | 13.0 | 16.0 | 24 | 24.0 |
| 8 | 12.0 | 7.0 | 6.0 | 5.0 | 4.0 | 5.0 | 9.0 | 13.0 | 7.0 | 3.0 | 4.0 | 3.0 | 3.0 | BF | BF | 3.0 | 4.0 | 6.0 | 15.0 | 21.0 | 14.0 | 12.0 | 7.0 | 7.0 | 22 | 21.0 |
| 9 | 7.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.0 | 8.0 | 4.0 | 5.0 | 5.0 | 4.0 | 6.0 | 1.0 | .0 | 24 | 8.0 |
| 10 | .0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 9.0 | 16.0 | 18.0 | 5.0 | 4.0 | 3.0 | 7.0 | 7.0 | 10.0 | 10.0 | 5.0 | 7.0 | 7.0 | 18.0 | 18.0 | 8.0 | 6.0 | 5.0 | 24 | 18.0 |
| 11 | 5.0 | 3.0 | 5.0 | 2.0 | 4.0 | 8.0 | 11.0 | 10.0 | 8.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 12.0 | 8.0 | 9.0 | 11.0 | 16.0 | 24 | 16.0 |
| 12 | 11.0 | 15.0 | 22.0 | 17.0 | 17.0 | 16.0 | 13.0 | 13.0 | 9.0 | 5.0 | 4.0 | 4.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 9.0 | 9.0 | 7.0 | 6.0 | 7.0 | 7.0 | 24 | 22.0 |
| 13 | 5.0 | 6.0 | 7.0 | 6.0 | 8.0 | 11.0 | 9.0 | 10.0 | 8.0 | 7.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 5.0 | 17.0 | 24.0 | 31.0 | 31.0 | 8.0 | 4.0 | 24 | 31.0 |
| 14 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 2.0 | 24 | 4.0 |
| 15 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 10.0 | 12.0 | 6.0 | 6.0 | 8.0 | 3.0 | 2.0 | 2.0 | 24 | 12.0 |
| 16 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 11.0 | 9.0 | 7.0 | 4.0 | 4.0 | 3.0 | 1.0 | 2.0 | 4.0 | 2.0 | 3.0 | 5.0 | 7.0 | 7.0 | 7.0 | 12.0 | 11.0 | 9.0 | 24 | 12.0 |
| 17 | 7.0 | 9.0 | 3.0 | 9.0 | 13.0 | 18.0 | 37.0 | 28.0 | 23.0 | 7.0 | 9.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 11.0 | 18.0 | 23.0 | 13.0 | 11.0 | 7.0 | 24 | 37.0 |
| 18 | 7.0 | 9.0 | 9.0 | 9.0 | 9.0 | 17.0 | 24.0 | 32.0 | 18.0 | 13.0 | 8.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 11.0 | 16.0 | 24.0 | 25.0 | 24.0 | 14.0 | 24 | 32.0 |
| 19 | 7.0 | 8.0 | 3.0 | 9.0 | 8.0 | 3.0 | 4.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 1.0 | 24 | 9.0 |
| 20 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 5.0 | 5.0 | 4.0 | 5.0 | 24 | 6.0 |
| 21 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 7.0 | 8.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 24 | 8.0 |
| 22 | 8.0 | 11.0 | 10.0 | 10.0 | 12.0 | 19.0 | 31.0 | 24.0 | 8.0 | 2.0 | 1.0 | BF | BF | 3.0 | 5.0 | 4.0 | 4.0 | 6.0 | 9.0 | 16.0 | 18.0 | 21.0 | 25.0 | 29.0 | 22 | 31.0 |
| 23 | 29.0 | 30.0 | 20.0 | 18.0 | 21.0 | 19.0 | 11.0 | 14.0 | 19.0 | 15.0 | 7.0 | 6.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 10.0 | 13.0 | 7.0 | 3.0 | 5.0 | 24 | 30.0 |
| 24 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 5.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 3.0 | 5.0 | 4.0 | 5.0 | 3.0 | 4.0 | 6.0 | 3.0 | 3.0 | 6.0 | 24 | 6.0 |
| 25 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 2.0 | 8.0 | 7.0 | 2.0 | 5.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 4.0 | 11.0 | 15.0 | 14.0 | 10.0 | 5.0 | 2.0 | 24 | 15.0 |
| 26 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 24 | 4.0 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 4.0 | 3.0 | 24 | 4.0 |
| 28 | 4.0 | 4.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 8.0 | 5.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 10.0 | 16.0 | 20.0 | 13.0 | 8.0 | 6.0 | 24 | 20.0 |
| 29 | 4.0 | 7.0 | 12.0 | 12.0 | 10.0 | 10.0 | 13.0 | 10.0 | 6.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 7.0 | 8.0 | 8.0 | 6.0 | 12.0 | 22.0 | 37.0 | 28.0 | 25.0 | 21.0 | 24 | 37.0 |
| 30 | 18.0 | 15.0 | 9.0 | 9.0 | 7.0 | 6.0 | 7.0 | 9.0 | 10.0 | 10.0 | 10.0 | 6.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 18.0 |
| 31 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | AZ | AZ | AZ | AZ | 2.0 | 3.0 | 4.0 | 6.0 | 6.0 | 7.0 | 8.0 | 9.0 | 6.0 | 20 | 9.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 28 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 29.0 | 30.0 | 22.0 | 25.0 | 25.0 | 33.0 | 37.0 | 32.0 | 24.0 | 15.0 | 10.0 | 9.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 12.0 | 17.0 | 24.0 | 37.0 | 31.0 | 26.0 | 29.0 | | |
| AVG: | 5.97 | 5.77 | 5.16 | 5.32 | 5.77 | 7.03 | 9.23 | 9.90 | 6.97 | 4.26 | 3.39 | 3.00 | 2.86 | 2.64 | 3.21 | 3.35 | 3.68 | 4.42 | 7.29 | 10.55 | 11.48 | 10.45 | 8.48 | 7.29 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 6.20 MONTHLY MAX: 37.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 6.0 | 4.0 | 6.0 | 7.0 | 9.0 | 12.0 | 8.0 | 4.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 7.0 | 20.0 | 21.0 | 17.0 | 21.0 | 10.0 | 24 | 21.0 |
| 2 | 13.0 | 3.0 | 6.0 | 6.0 | 4.0 | 5.0 | 7.0 | 8.0 | 4.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 9.0 | 9.0 | 8.0 | 35.0 | 24 | 35.0 |
| 3 | 33.0 | 25.0 | 30.0 | 25.0 | 22.0 | 23.0 | 18.0 | 11.0 | 6.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 9.0 | 10.0 | 7.0 | 6.0 | 3.0 | 3.0 | 24 | 33.0 |
| 4 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 4.0 | 6.0 | 6.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 7.0 | 8.0 | 10.0 | 6.0 | 4.0 | 4.0 | 24 | 10.0 |
| 5 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 1.0 | 1.0 | BF | BF | BF | BF | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 6.0 | 9.0 | 12.0 | 20 | 12.0 |
| 6 | 16.0 | 19.0 | 19.0 | 15.0 | 18.0 | 19.0 | 16.0 | 25.0 | 14.0 | 8.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 6.0 | 12.0 | 18.0 | 11.0 | 8.0 | 8.0 | 24 | 25.0 |
| 7 | 10.0 | 6.0 | 4.0 | 6.0 | 6.0 | 9.0 | 24.0 | 19.0 | 10.0 | BC | BC | BC | BC | BC | 3.0 | 3.0 | 4.0 | 5.0 | 10.0 | 29.0 | 46.0 | 36.0 | 26.0 | 15.0 | 19 | 46.0 |
| 8 | 23.0 | 17.0 | 17.0 | 16.0 | 16.0 | 11.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.0 | 8.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 10.0 | 9.0 | 7.0 | 7.0 | 6.0 | 4.0 | 24 | 23.0 |
| 9 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 6.0 | 6.0 | 4.0 | 3.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 6.0 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 3.0 | 2.0 | 3.0 | 4.0 | 7.0 | 17.0 | 10.0 | 11.0 | 4.0 | 2.0 | 24 | 17.0 |
| 11 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 8.0 | 8.0 | 5.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 6.0 | 4.0 | 4.0 | 3.0 | 24 | 8.0 |
| 12 | 4.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 3.0 | 5.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 2.0 | 2.0 | 3.0 | 2.0 | 24 | 8.0 |
| 13 | 2.0 | 3.0 | 2.0 | 4.0 | 7.0 | 11.0 | 13.0 | 6.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 6.0 | 11.0 | 25.0 | 8.0 | 10.0 | 4.0 | 24 | 25.0 |
| 14 | 7.0 | 7.0 | 10.0 | 12.0 | 24.0 | 19.0 | 17.0 | 15.0 | 10.0 | 5.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 3.0 | 3.0 | 4.0 | 7.0 | 21.0 | 35.0 | 21.0 | 15.0 | 14.0 | 24 | 35.0 |
| 15 | 10.0 | 7.0 | 7.0 | 6.0 | 5.0 | 8.0 | 11.0 | 10.0 | 11.0 | 6.0 | 3.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | .0 | 24 | 11.0 |
| 16 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 24 | 2.0 |
| 17 | .0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 8.0 | 13.0 | 6.0 | 5.0 | 9.0 | 6.0 | 24 | 13.0 |
| 18 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 18.0 | 24.0 | 19.0 | 12.0 | 4.0 | 3.0 | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 8.0 | 16.0 | 18.0 | 7.0 | 8.0 | 8.0 | 24 | 24.0 |
| 19 | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 6.0 | 9.0 | 10.0 | 8.0 | 6.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 9.0 | 17.0 | 14.0 | 8.0 | 8.0 | 4.0 | 24 | 17.0 |
| 20 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 6.0 | 4.0 | 6.0 | BF | BF | BF | 3.0 | 5.0 | 4.0 | 4.0 | 5.0 | 3.0 | 6.0 | 13.0 | 15.0 | 15.0 | 12.0 | 21 | 15.0 |
| 21 | 23.0 | 19.0 | 15.0 | 18.0 | 20.0 | 20.0 | 11.0 | 5.0 | 1.0 | 2.0 | 1.0 | 14.0 | 10.0 | 4.0 | 4.0 | 2.0 | 2.0 | 4.0 | 5.0 | 10.0 | 16.0 | 13.0 | 11.0 | 4.0 | 24 | 23.0 |
| 22 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.0 | 8.0 | 4.0 | 4.0 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 8.0 |
| 23 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 2.0 | 5.0 | 3.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 6.0 | 11.0 | 17.0 | 19.0 | 16.0 | 15.0 | 24 | 19.0 |
| 24 | 11.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 4.0 | 11.0 | 15.0 | 10.0 | 9.0 | 8.0 | 24 | 15.0 |
| 25 | 8.0 | 7.0 | 4.0 | 3.0 | 3.0 | 7.0 | 9.0 | 6.0 | 4.0 | 2.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 3.0 | 3.0 | 24 | 9.0 |
| 26 | 6.0 | 4.0 | 1.0 | 1.0 | 2.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 24 | 8.0 |
| 27 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.0 | 2.0 | 4.0 | 2.0 | 5.0 | 5.0 | 1.0 | .0 | .0 | .0 | 24 | 5.0 |
| 28 | 1.0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 6.0 | 4.0 | 3.0 | 24 | 6.0 |
| 29 | 2.0 | 2.0 | 2.0 | 5.0 | 8.0 | 23.0 | 19.0 | 12.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 8.0 | 9.0 | 7.0 | 9.0 | 11.0 | 24 | 23.0 |
| 30 | 13.0 | 4.0 | 2.0 | 2.0 | 4.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 5.0 | 9.0 | 22.0 | 14.0 | 9.0 | 10.0 | 24 | 22.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 27 | 27 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 33.0 | 25.0 | 30.0 | 25.0 | 24.0 | 23.0 | 24.0 | 25.0 | 14.0 | 8.0 | 8.0 | 14.0 | 10.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 10.0 | 29.0 | 46.0 | 36.0 | 26.0 | 35.0 | | |
| AVG: | 7.03 | 5.33 | 5.13 | 5.30 | 6.03 | 7.67 | 8.30 | 6.97 | 4.60 | 3.00 | 2.36 | 2.48 | 2.48 | 2.36 | 2.52 | 2.60 | 3.20 | 3.47 | 5.30 | 9.40 | 11.63 | 8.67 | 7.60 | 6.80 | | |

MONTHLY OBSERVATIONS: 708 MONTHLY MEAN: 5.48 MONTHLY MAX: 46.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 24 | 6.0 |
| 2 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | 5.0 | 8.0 | 6.0 | 6.0 | 4.0 | 3.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 11.0 | 11.0 | 9.0 | 9.0 | 7.0 | 24 | 11.0 |
| 3 | 4.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 3.0 | 2.0 | 1.0 | BF | BF | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 2.0 | 4.0 | 1.0 | 1.0 | 22 | 5.0 |
| 4 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 13.0 | 8.0 | 2.0 | 1.0 | BA | BA | BA | BA | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 5.0 | 5.0 | 6.0 | 5.0 | 4.0 | 20 | 13.0 |
| 5 | 5.0 | 3.0 | 8.0 | 8.0 | 8.0 | 19.0 | 16.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 10.0 | 14.0 | 17.0 | 18.0 | 10.0 | 24 | 19.0 |
| 6 | 9.0 | 8.0 | 13.0 | 11.0 | 10.0 | 17.0 | 17.0 | 12.0 | 11.0 | 8.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 16.0 | 23.0 | 23.0 | 19.0 | 22.0 | 24 | 23.0 |
| 7 | 18.0 | 21.0 | 22.0 | 21.0 | 18.0 | 13.0 | 11.0 | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 6.0 | 11.0 | 11.0 | 20.0 | 16.0 | 9.0 | 24 | 22.0 |
| 8 | 4.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 6.0 | 9.0 | 9.0 | 10.0 | 6.0 | 24 | 10.0 |
| 9 | 4.0 | 5.0 | 8.0 | 8.0 | 7.0 | 7.0 | 9.0 | 13.0 | 12.0 | 6.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 5.0 | 10.0 | 19.0 | 22.0 | 13.0 | 12.0 | 24 | 22.0 |
| 10 | 5.0 | 6.0 | 4.0 | 4.0 | 3.0 | 4.0 | 7.0 | 10.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 8.0 | 7.0 | 7.0 | 7.0 | 5.0 | 3.0 | 3.0 | 24 | 10.0 |
| 11 | 6.0 | 2.0 | 1.0 | 2.0 | 2.0 | 6.0 | 6.0 | 7.0 | 6.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 2.0 | 1.0 | 2.0 | 4.0 | 8.0 | 5.0 | 6.0 | 5.0 | 3.0 | 24 | 8.0 |
| 12 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 6.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 9.0 | 8.0 | 8.0 | 6.0 | 5.0 | 6.0 | 24 | 9.0 |
| 13 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 10.0 | 10.0 | 8.0 | 6.0 | 5.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 5.0 | 9.0 | 7.0 | 10.0 | 8.0 | 7.0 | 24 | 10.0 |
| 14 | 9.0 | 4.0 | 9.0 | 9.0 | 8.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 12.0 | 15.0 | 5.0 | 4.0 | 6.0 | 24 | 15.0 |
| 15 | 7.0 | 6.0 | 4.0 | 4.0 | 2.0 | 1.0 | 2.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | 5.0 | 24 | 7.0 |
| 16 | 4.0 | 3.0 | 3.0 | 4.0 | 11.0 | 8.0 | 5.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 1.0 | 1.0 | .0 | 2.0 | 24 | 11.0 |
| 17 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | BF | BF | BF | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 21 | 5.0 |
| 18 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 7.0 | 2.0 | 2.0 | 1.0 | 3.0 | 3.0 | 3.0 | 5.0 | 4.0 | 6.0 | 10.0 | 10.0 | 5.0 | 3.0 | 24 | 10.0 |
| 19 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 7.0 | 9.0 | 8.0 | 4.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 10.0 | 8.0 | 9.0 | 7.0 | 24 | 10.0 |
| 20 | 8.0 | 4.0 | 16.0 | 29.0 | 21.0 | 18.0 | 16.0 | 10.0 | 3.0 | 1.0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 6.0 | 14.0 | 23.0 | 23.0 | 25.0 | 24 | 29.0 |
| 21 | 26.0 | 20.0 | 16.0 | 14.0 | 17.0 | 15.0 | 8.0 | 7.0 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 8.0 | 11.0 | 19.0 | 10.0 | 9.0 | 24 | 26.0 |
| 22 | 5.0 | 3.0 | 3.0 | 2.0 | 4.0 | 9.0 | 6.0 | 6.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 6.0 | 1.0 | 2.0 | 24 | 9.0 |
| 23 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 8.0 | 10.0 | 7.0 | 14.0 | 18.0 | 19.0 | 21.0 | 19.0 | 24 | 21.0 |
| 24 | 12.0 | 10.0 | 12.0 | 12.0 | 13.0 | 11.0 | 9.0 | 12.0 | 9.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 6.0 | 2.0 | 4.0 | 6.0 | 10.0 | 17.0 | 24 | 17.0 |
| 25 | 14.0 | 12.0 | 12.0 | 11.0 | 11.0 | 9.0 | 8.0 | 13.0 | 22.0 | 13.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 5.0 | 8.0 | 11.0 | 15.0 | 10.0 | 9.0 | 24 | 22.0 |
| 26 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 24 | 7.0 |
| 27 | 3.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 6.0 | 3.0 | 5.0 | 6.0 | 24 | 6.0 |
| 28 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 6.0 | 11.0 | 20.0 | 15.0 | 6.0 | 24 | 20.0 |
| 29 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 9.0 | 9.0 | 8.0 | 9.0 | 24 | 9.0 |
| 30 | 7.0 | 7.0 | 4.0 | 3.0 | 4.0 | 5.0 | 6.0 | 4.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 17.0 | 13.0 | 23.0 | 27.0 | 24 | 27.0 |
| 31 | 25.0 | 19.0 | 14.0 | 14.0 | 12.0 | 9.0 | 9.0 | 8.0 | 5.0 | 3.0 | BF | BF | BF | BF | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 7.0 | 10.0 | 6.0 | 6.0 | 20 | 25.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 27 | 27 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 26.0 | 21.0 | 22.0 | 29.0 | 21.0 | 19.0 | 17.0 | 13.0 | 22.0 | 13.0 | 7.0 | 5.0 | 3.0 | 5.0 | 4.0 | 4.0 | 8.0 | 10.0 | 9.0 | 16.0 | 23.0 | 23.0 | 23.0 | 27.0 | | |
| AVG: | 6.81 | 5.26 | 5.81 | 5.97 | 6.06 | 6.65 | 7.03 | 6.35 | 4.52 | 2.94 | 1.96 | 1.52 | 1.11 | 1.48 | 1.52 | 1.52 | 2.03 | 2.68 | 3.71 | 6.55 | 9.03 | 10.16 | 8.81 | 8.19 | | |

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: 4.96 MONTHLY MAX: 29.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16.0 | 12.0 | 9.0 | 6.0 | 5.0 | 8.0 | 19.0 | 19.0 | 13.0 | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 10.0 | 15.0 | 16.0 | 16.0 | 24 | 19.0 |
| 2 | 15.0 | 4.0 | 3.0 | 6.0 | 10.0 | 14.0 | 12.0 | 8.0 | 5.0 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 9 | 15.0 |
| 3 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 4 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 5 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 6 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | .0 | .0 | .0 | .0 | 1.0 | 5.0 | 10.0 | 14.0 | 11.0 | 12.0 | 10 | 14.0 |
| 7 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 6.0 | 5.0 | AZ | AZ | AZ | AZ | AZ | 1.0 | .0 | 2.0 | 3.0 | 5.0 | 6.0 | 6.0 | 10.0 | 11.0 | 19 | 11.0 |
| 8 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 13.0 | 9.0 | 12.0 | 15.0 | 14.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.0 | 7.0 | 14.0 | 7.0 | 9.0 | 24 | 15.0 |
| 9 | 5.0 | 5.0 | 6.0 | 9.0 | 10.0 | 11.0 | 15.0 | 10.0 | 7.0 | 6.0 | 5.0 | 1.0 | .0 | .0 | 6.0 | 7.0 | 7.0 | 5.0 | 8.0 | 8.0 | 8.0 | 7.0 | 9.0 | 17.0 | 24 | 17.0 |
| 10 | 9.0 | 6.0 | 13.0 | 14.0 | 12.0 | 10.0 | 9.0 | 5.0 | 8.0 | 5.0 | 6.0 | 3.0 | 2.0 | 1.0 | 2.0 | 2.0 | 6.0 | 12.0 | 6.0 | 7.0 | 8.0 | 4.0 | 9.0 | 7.0 | 24 | 14.0 |
| 11 | 7.0 | 7.0 | 13.0 | 7.0 | 6.0 | 5.0 | 6.0 | 5.0 | 3.0 | 2.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | 2.0 | 5.0 | 9.0 | 13.0 | 7.0 | 6.0 | 4.0 | 4.0 | 24 | 13.0 |
| 12 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 4.0 | 3.0 | 5.0 | 7.0 | 14.0 | 5.0 | 24 | 14.0 |
| 13 | 3.0 | 2.0 | 4.0 | 3.0 | 4.0 | 10.0 | 7.0 | 5.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 4.0 | 12.0 | 2.0 | .0 | 24 | 12.0 |
| 14 | .0 | .0 | .0 | .0 | .0 | 7.0 | 10.0 | 9.0 | .0 | .0 | .0 | BF | BF | BF | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 3.0 | 1.0 | 21 | 10.0 |
| 15 | 1.0 | 2.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 5.0 | 6.0 | 5.0 | 3.0 | 6.0 | 24 | 6.0 |
| 16 | 4.0 | 5.0 | 5.0 | 5.0 | 12.0 | 13.0 | 14.0 | 6.0 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | .0 | 1.0 | 3.0 | 6.0 | 12.0 | 14.0 | 16.0 | 24 | 16.0 |
| 17 | 13.0 | 12.0 | 12.0 | 19.0 | 20.0 | 17.0 | 13.0 | 10.0 | 6.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 9.0 | 10.0 | 18.0 | 15.0 | 8.0 | 24 | 20.0 |
| 18 | 6.0 | 6.0 | 7.0 | 8.0 | 7.0 | 6.0 | 4.0 | 4.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 4.0 | 8.0 | 7.0 | 9.0 | 7.0 | 6.0 | 5.0 | 24 | 9.0 |
| 19 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 8.0 | 9.0 | 6.0 | 4.0 | 24 | 9.0 |
| 20 | 5.0 | 4.0 | 4.0 | 6.0 | 5.0 | 6.0 | 8.0 | 4.0 | 4.0 | 2.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 6.0 | 12.0 | 16.0 | 19.0 | 18.0 | 24 | 19.0 |
| 21 | 12.0 | 9.0 | 6.0 | 4.0 | 4.0 | 5.0 | 7.0 | 13.0 | 11.0 | 6.0 | 5.0 | 3.0 | 1.0 | .0 | .0 | .0 | 2.0 | 5.0 | 2.0 | 3.0 | 2.0 | 11.0 | 3.0 | 2.0 | 24 | 13.0 |
| 22 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 6.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | .0 | 1.0 | 24 | 6.0 |
| 23 | .0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 4.0 | 4.0 | 4.0 | 24 | 6.0 |
| 24 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 4.0 | 7.0 | 7.0 | 6.0 | 5.0 | 24 | 7.0 |
| 25 | 3.0 | 3.0 | 5.0 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 14.0 | 21.0 | 19.0 | 2.0 | 24 | 21.0 |
| 26 | 1.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 3.0 | 4.0 | 7.0 | 14.0 | 17.0 | 4.0 | 24 | 17.0 |
| 27 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 6.0 | 24 | 6.0 |
| 28 | 6.0 | 2.0 | 5.0 | 3.0 | 5.0 | 10.0 | 14.0 | 9.0 | 7.0 | 5.0 | 3.0 | BF | BF | BF | 1.0 | 3.0 | 2.0 | 4.0 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 21 | 14.0 |
| 29 | 7.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 6.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 6.0 | 10.0 | 11.0 | 10.0 | 28.0 | 24 | 28.0 |
| 30 | 21.0 | 16.0 | 9.0 | 11.0 | 6.0 | 3.0 | 1.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 8.0 | 14.0 | 20.0 | 12.0 | 20.0 | 24 | 21.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 24 | 22 | 22 | 22 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| MAX: | 21.0 | 16.0 | 13.0 | 19.0 | 20.0 | 17.0 | 19.0 | 19.0 | 15.0 | 14.0 | 6.0 | 3.0 | 2.0 | 2.0 | 6.0 | 7.0 | 7.0 | 12.0 | 9.0 | 13.0 | 14.0 | 21.0 | 19.0 | 28.0 | | |
| AVG: | 6.23 | 4.69 | 4.85 | 5.04 | 5.31 | 6.62 | 7.12 | 6.00 | 4.46 | 2.88 | 1.58 | 1.05 | .59 | .23 | .52 | .77 | 1.42 | 2.08 | 2.77 | 4.96 | 7.19 | 9.58 | 8.58 | 8.23 | | |

MONTHLY OBSERVATIONS: 608 MONTHLY MEAN: 4.37 MONTHLY MAX: 28.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42.0 | 27.0 | 29.0 | 26.0 | 18.0 | 7.0 | 4.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 7.0 | 10.0 | 16.0 | 21.0 | 14.0 | 24 | 42.0 |
| 2 | 11.0 | 21.0 | 23.0 | 11.0 | 7.0 | 8.0 | 4.0 | 3.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 5.0 | 8.0 | 15.0 | 20.0 | 24.0 | 23.0 | 24 | 24.0 |
| 3 | 22.0 | 11.0 | 16.0 | 14.0 | 9.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 2.0 | 3.0 | 8.0 | 7.0 | 7.0 | 3.0 | 3.0 | 24 | 22.0 |
| 4 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 7.0 | 8.0 | 7.0 | 9.0 | 24 | 9.0 |
| 5 | 9.0 | 10.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 1.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 2.0 | 5.0 | 4.0 | 2.0 | 24 | 10.0 |
| 6 | .0 | .0 | 1.0 | 2.0 | 5.0 | 7.0 | 12.0 | 7.0 | 5.0 | BC | BC | BC | BC | BC | 3.0 | 2.0 | 4.0 | 4.0 | 5.0 | 9.0 | 10.0 | 11.0 | 6.0 | 7.0 | 19 | 12.0 |
| 7 | 6.0 | 8.0 | 8.0 | 6.0 | 12.0 | 11.0 | 10.0 | 8.0 | 9.0 | 8.0 | 8.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 6.0 | 5.0 | 6.0 | 10.0 | 10.0 | 7.0 | 9.0 | 24 | 12.0 |
| 8 | 9.0 | 11.0 | 10.0 | 8.0 | 12.0 | 11.0 | 13.0 | 9.0 | 6.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 5.0 | 6.0 | 7.0 | 7.0 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 24 | 13.0 |
| 9 | 5.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | 4.0 | 2.0 | .0 | 1.0 | 3.0 | .0 | 1.0 | .0 | 1.0 | 3.0 | 7.0 | 9.0 | 9.0 | 7.0 | 24 | 9.0 |
| 10 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 5.0 | 5.0 | 8.0 | 7.0 | 8.0 | 24 | 8.0 |
| 11 | 7.0 | 5.0 | 4.0 | 5.0 | 6.0 | 11.0 | 10.0 | 8.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 5.0 | 6.0 | 10.0 | 7.0 | 4.0 | 24 | 11.0 |
| 12 | 4.0 | 5.0 | 5.0 | 4.0 | 9.0 | 9.0 | 11.0 | 9.0 | 9.0 | 6.0 | 6.0 | BF | BF | BF | BF | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 11.0 | 9.0 | 5.0 | 5.0 | 20 | 11.0 |
| 13 | 6.0 | 8.0 | 10.0 | 5.0 | 9.0 | 17.0 | 19.0 | 14.0 | 8.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 5.0 | 5.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 9.0 | 6.0 | 6.0 | 24 | 19.0 |
| 14 | 5.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 5.0 | 6.0 | 3.0 | 2.0 | 1.0 | 24 | 6.0 |
| 15 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 5.0 | 7.0 | 8.0 | 16.0 | 15.0 | 11.0 | 24 | 16.0 |
| 16 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 24 | 6.0 |
| 17 | 3.0 | 5.0 | 7.0 | 7.0 | 8.0 | 7.0 | 6.0 | 6.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 12.0 | 20.0 | 18.0 | 17.0 | 24 | 20.0 |
| 18 | 17.0 | 15.0 | 13.0 | 13.0 | 12.0 | 12.0 | 11.0 | 11.0 | 8.0 | 5.0 | 4.0 | 3.0 | 2.0 | .0 | .0 | 1.0 | 3.0 | 3.0 | 2.0 | 5.0 | 6.0 | 9.0 | 10.0 | 11.0 | 24 | 17.0 |
| 19 | 8.0 | 9.0 | 8.0 | 8.0 | 5.0 | 6.0 | 11.0 | 11.0 | 5.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 8.0 | 5.0 | 9.0 | 8.0 | 6.0 | 8.0 | 8.0 | 7.0 | 11.0 | 24 | 11.0 |
| 20 | 8.0 | 5.0 | 7.0 | 3.0 | 6.0 | 10.0 | 8.0 | 8.0 | 6.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 5.0 | 8.0 | 12.0 | 10.0 | 16.0 | 24 | 16.0 |
| 21 | 20.0 | 17.0 | 13.0 | 10.0 | 10.0 | 10.0 | 9.0 | 10.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 14.0 | 11.0 | 13.0 | 24 | 20.0 |
| 22 | 9.0 | 11.0 | 11.0 | 6.0 | 11.0 | 15.0 | 12.0 | 7.0 | 6.0 | 4.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 5.0 | 7.0 | 12.0 | 10.0 | 6.0 | 24 | 15.0 |
| 23 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 6.0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 4.0 | 4.0 | 8.0 | 9.0 | 16.0 | 10.0 | 7.0 | 24 | 16.0 |
| 24 | 8.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 7.0 | 6.0 | 6.0 | 6.0 | 14.0 | 10.0 | 6.0 | 24 | 14.0 |
| 25 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 8.0 | 10.0 | 9.0 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 5.0 | 8.0 | 6.0 | 8.0 | 6.0 | 10.0 | 10.0 | 11.0 | 6.0 | 6.0 | 24 | 11.0 |
| 26 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 8.0 | 5.0 | BF | BF | BF | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 6.0 | 8.0 | 4.0 | 5.0 | 21 | 8.0 |
| 27 | 3.0 | 5.0 | 5.0 | 5.0 | 7.0 | 9.0 | 10.0 | 6.0 | 2.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 18.0 | 30.0 | 23.0 | 19.0 | 24 | 30.0 |
| 28 | 15.0 | 18.0 | 17.0 | 11.0 | 7.0 | 10.0 | 16.0 | 17.0 | 13.0 | 4.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 5.0 | 4.0 | 10.0 | 8.0 | 5.0 | 24 | 18.0 |
| 29 | 5.0 | 6.0 | 7.0 | 7.0 | 11.0 | 12.0 | 11.0 | 7.0 | 8.0 | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 3.0 | 16.0 | 10.0 | 9.0 | 24 | 16.0 |
| 30 | 8.0 | 7.0 | 7.0 | 7.0 | 7.0 | 10.0 | 8.0 | 7.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | .0 | .0 | .0 | 2.0 | 24 | 10.0 |
| 31 | 3.0 | 3.0 | 5.0 | 4.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | .0 | .0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 24 | 5.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 30 | 29 | 29 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 42.0 | 27.0 | 29.0 | 26.0 | 18.0 | 17.0 | 19.0 | 17.0 | 13.0 | 8.0 | 8.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 6.0 | 9.0 | 8.0 | 10.0 | 18.0 | 30.0 | 24.0 | 23.0 | | |
| AVG: | 8.52 | 7.94 | 8.03 | 6.48 | 6.94 | 7.77 | 7.65 | 6.27 | 4.23 | 2.72 | 2.00 | 1.14 | 1.07 | .90 | 1.17 | 1.65 | 2.10 | 2.74 | 3.16 | 5.39 | 7.32 | 10.84 | 8.77 | 8.16 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 5.17 MONTHLY MAX: 42.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.0 | 8.0 | 10.0 | 9.0 | 9.0 | 9.0 | 14.0 | 7.0 | 5.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 11.0 | 21.0 | 14.0 | 12.0 | 24 | 21.0 |
| 2 | 6.0 | 7.0 | 8.0 | 8.0 | 11.0 | 15.0 | 20.0 | 11.0 | 8.0 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 6.0 | 18.0 | 26.0 | 21.0 | 13.0 | 24 | 26.0 |
| 3 | 12.0 | 15.0 | 8.0 | 12.0 | 12.0 | 12.0 | 14.0 | 14.0 | 17.0 | 8.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 3.0 | 5.0 | 7.0 | 6.0 | 9.0 | 8.0 | 9.0 | 24 | 17.0 |
| 4 | 14.0 | 12.0 | 12.0 | 10.0 | 8.0 | 18.0 | 13.0 | 3.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 4.0 | 11.0 | 7.0 | 4.0 | 3.0 | 24 | 18.0 |
| 5 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 24 | 3.0 |
| 6 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 6.0 | 5.0 | 4.0 | 5.0 | 8.0 | 6.0 | 5.0 | 24 | 8.0 |
| 7 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.0 | 7.0 | 7.0 | 5.0 | 4.0 | 24 | 7.0 |
| 8 | 4.0 | 3.0 | 4.0 | 6.0 | 10.0 | 19.0 | 16.0 | 7.0 | 4.0 | 2.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 7.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 24 | 19.0 |
| 9 | 5.0 | 6.0 | 6.0 | 7.0 | 9.0 | 14.0 | 13.0 | 9.0 | BF | BF | BF | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.0 | 2.0 | 8.0 | 13.0 | 10.0 | 6.0 | 6.0 | 21 | 14.0 |
| 10 | 6.0 | 4.0 | 4.0 | 6.0 | 12.0 | 13.0 | 17.0 | 14.0 | 5.0 | 3.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 24 | 17.0 |
| 11 | 6.0 | 7.0 | 6.0 | 10.0 | 10.0 | 8.0 | 12.0 | 6.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 4.0 | 4.0 | 5.0 | 8.0 | 9.0 | 20.0 | 17.0 | 13.0 | 24 | 20.0 |
| 12 | 10.0 | 9.0 | 8.0 | 8.0 | 8.0 | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 | 4.0 | 8.0 | 4.0 | 5.0 | 24 | 10.0 |
| 13 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | 2.0 | 1.0 | 2.0 | 3.0 | 14.0 | 6.0 | 4.0 | 24 | 14.0 |
| 14 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 4.0 | 3.0 | 5.0 | 4.0 | 6.0 | 7.0 | 3.0 | 24 | 7.0 |
| 15 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 6.0 | 7.0 | 6.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | AN | AN | AN | 21 | 7.0 |
| 16 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 17 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 18 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 19 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 20 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 21 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 22 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 23 | AN | AN | AN | AN | AN | AN | AN | AN | AN | BF | BF | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 24 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 25 | AN | AN | AN | AN | AN | AN | AN | AN | BF | BF | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 26 | AN | AN | AN | AN | AN | AN | AN | AN | AN | BA | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 27 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 28 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 29 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 30 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 31 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | | AN | AN | AN | AN | AN | 0 | |
| NO.: | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | | |
| MAX: | 14.0 | 15.0 | 12.0 | 12.0 | 12.0 | 19.0 | 20.0 | 14.0 | 17.0 | 8.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | 6.0 | 7.0 | 8.0 | 18.0 | 26.0 | 21.0 | 13.0 | | |
| AVG: | 6.00 | 6.20 | 5.73 | 6.33 | 7.13 | 8.73 | 9.53 | 6.20 | 4.36 | 2.36 | 1.14 | .40 | .33 | .20 | .27 | .27 | 1.07 | 1.93 | 2.47 | 4.87 | 7.07 | 10.71 | 8.00 | 6.50 | | |

MONTHLY OBSERVATIONS: 354 MONTHLY MEAN: 4.47 MONTHLY MAX: 26.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 2 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 3 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 4 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 5 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 6 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 7 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 8 | AN | AN | AN | AN | AN | AN | AN | AN | BC | BC | BC | BC | 1.0 | 1.0 | 3.0 | 6.0 | 6.0 | 7.0 | 11.0 | 23.0 | 30.0 | 38.0 | 25.0 | 22.0 | 12 | 38.0 |
| 9 | 15.0 | 11.0 | 8.0 | 8.0 | 10.0 | 10.0 | 13.0 | 17.0 | 18.0 | 16.0 | 5.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 7.0 | 14.0 | 16.0 | 19.0 | 17.0 | 12.0 | 24 | 19.0 |
| 10 | 6.0 | 5.0 | 4.0 | 5.0 | 7.0 | 6.0 | 8.0 | 7.0 | 5.0 | 4.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 2.0 | 7.0 | 22.0 | 23.0 | 25.0 | 25.0 | 19.0 | 24 | 25.0 |
| 11 | 22.0 | 16.0 | 14.0 | 13.0 | 13.0 | 13.0 | 14.0 | 4.0 | 6.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 8.0 | 13.0 | 28.0 | 30.0 | 14.0 | 8.0 | 24 | 30.0 |
| 12 | 5.0 | 3.0 | 4.0 | 3.0 | 4.0 | 8.0 | 15.0 | 15.0 | 8.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 8.0 | 26.0 | 22.0 | 8.0 | 15.0 | 11.0 | 24 | 26.0 |
| 13 | 10.0 | 19.0 | 19.0 | 16.0 | 13.0 | 12.0 | 10.0 | 20.0 | 20.0 | 13.0 | AZ | AZ | AZ | AZ | AZ | AZ | AZ | 4.0 | 15.0 | 20.0 | 24.0 | 19.0 | 18.0 | 15.0 | 17 | 24.0 |
| 14 | 32.0 | 23.0 | 20.0 | 20.0 | 14.0 | 16.0 | 16.0 | 18.0 | 20.0 | 10.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 5.0 | 15.0 | 26.0 | 24.0 | 24.0 | 18.0 | 18.0 | 24 | 32.0 |
| 15 | 20.0 | 14.0 | 10.0 | 10.0 | 12.0 | 15.0 | 21.0 | 21.0 | 12.0 | 6.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 21.0 |
| 16 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 7.0 | 7.0 | 6.0 | 4.0 | 3.0 | 24 | 7.0 |
| 17 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 24 | 4.0 |
| 18 | 3.0 | 3.0 | 2.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 8.0 | 8.0 | 4.0 | 3.0 | 3.0 | 24 | 8.0 |
| 19 | 3.0 | 3.0 | 2.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 3.0 | 4.0 | 6.0 | 7.0 | 4.0 | 12.0 | 11.0 | 12.0 | 24 | 12.0 |
| 20 | 8.0 | 7.0 | 6.0 | 5.0 | 6.0 | 9.0 | 15.0 | 18.0 | 12.0 | 5.0 | 5.0 | BF | BF | 7.0 | 6.0 | 6.0 | 6.0 | 7.0 | 10.0 | 19.0 | 10.0 | 9.0 | 5.0 | 6.0 | 22 | 19.0 |
| 21 | 5.0 | 6.0 | 7.0 | 6.0 | 8.0 | 9.0 | 9.0 | 10.0 | 8.0 | 7.0 | 9.0 | 7.0 | 5.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 6.0 | 7.0 | 11.0 | 8.0 | 6.0 | 6.0 | 24 | 11.0 |
| 22 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 8.0 | 7.0 | 6.0 | 6.0 | 3.0 | 6.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 12.0 | 14.0 | 13.0 | 12.0 | 10.0 | 6.0 | 24 | 14.0 |
| 23 | 8.0 | 7.0 | 10.0 | 10.0 | 4.0 | 5.0 | 6.0 | 8.0 | 9.0 | 10.0 | 14.0 | 6.0 | 6.0 | 7.0 | 3.0 | 3.0 | 3.0 | 4.0 | 9.0 | 16.0 | 14.0 | 14.0 | 19.0 | 13.0 | 24 | 19.0 |
| 24 | 11.0 | 7.0 | 8.0 | 7.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 24 | 11.0 |
| 25 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | .0 | 1.0 | 1.0 | 1.0 | .0 | 3.0 | 4.0 | 5.0 | 3.0 | 3.0 | 5.0 | 1.0 | 1.0 | 24 | 5.0 |
| 26 | 2.0 | 2.0 | 4.0 | 3.0 | 4.0 | 13.0 | 15.0 | 12.0 | 8.0 | 5.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 8.0 | 9.0 | 5.0 | 5.0 | 2.0 | 5.0 | 24 | 15.0 |
| 27 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 8.0 | 12.0 | 11.0 | 6.0 | BC | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 17.0 | 15.0 | 13.0 | 13.0 | 10.0 | 5.0 | 23 | 17.0 |
| 28 | 3.0 | 2.0 | 4.0 | 6.0 | 8.0 | 9.0 | 9.0 | 12.0 | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 10.0 | 21.0 | 30.0 | 26.0 | 24.0 | 32.0 | 27.0 | 24 | 32.0 |
| 29 | 13.0 | 21.0 | 17.0 | 10.0 | 8.0 | 14.0 | 18.0 | 12.0 | 8.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 7.0 | 15.0 | 27.0 | 33.0 | 24.0 | 16.0 | 14.0 | 24 | 33.0 |
| 30 | 17.0 | 21.0 | 18.0 | 9.0 | 14.0 | 18.0 | 14.0 | 18.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.0 | 4.0 | 10.0 | 5.0 | 8.0 | 8.0 | 24 | 21.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 20 | 21 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | | |
| MAX: | 32.0 | 23.0 | 20.0 | 20.0 | 14.0 | 18.0 | 21.0 | 21.0 | 20.0 | 16.0 | 14.0 | 7.0 | 6.0 | 7.0 | 6.0 | 7.0 | 8.0 | 10.0 | 21.0 | 30.0 | 33.0 | 38.0 | 32.0 | 27.0 | | |
| AVG: | 9.00 | 8.23 | 7.68 | 6.77 | 6.73 | 8.36 | 9.82 | 10.32 | 8.05 | 5.43 | 3.81 | 2.65 | 2.62 | 2.68 | 2.82 | 2.91 | 3.59 | 4.52 | 8.74 | 13.91 | 14.39 | 13.52 | 11.52 | 9.61 | | |

MONTHLY OBSERVATIONS: 530 MONTHLY MEAN: 7.49 MONTHLY MAX: 38.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 2.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 7.0 | 6.0 | 5.0 | 6.0 | 5.0 | 24 | 7.0 |
| 2 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 13.0 | 7.0 | 11.0 | 11.0 | 13.0 | 14.0 | 24 | 14.0 |
| 3 | 8.0 | 8.0 | 5.0 | 8.0 | 9.0 | 14.0 | 18.0 | 12.0 | 6.0 | 2.0 | BF | BF | 3.0 | 2.0 | 3.0 | 3.0 | 7.0 | 6.0 | 10.0 | 6.0 | 5.0 | 5.0 | 17.0 | 19.0 | 22 | 19.0 |
| 4 | 14.0 | 19.0 | 9.0 | 11.0 | 14.0 | 14.0 | 12.0 | 17.0 | 11.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 7.0 | 7.0 | 5.0 | 4.0 | 3.0 | 24 | 19.0 |
| 5 | 3.0 | 11.0 | 5.0 | 11.0 | 9.0 | 10.0 | 14.0 | 14.0 | 21.0 | 8.0 | 3.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 8.0 | 15.0 | 21.0 | 20.0 | 20.0 | 20.0 | 25.0 | 24 | 25.0 |
| 6 | 18.0 | 9.0 | 3.0 | 4.0 | 4.0 | 5.0 | 8.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.0 | 6.0 | 11.0 | 11.0 | 15.0 | 10.0 | 8.0 | 8.0 | 24 | 18.0 |
| 7 | 6.0 | 5.0 | 6.0 | 3.0 | 3.0 | 6.0 | 16.0 | 15.0 | 6.0 | 6.0 | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 12.0 | 11.0 | 11.0 | 9.0 | 9.0 | 8.0 | 24 | 16.0 |
| 8 | 7.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 3.0 | 7.0 | 8.0 | 8.0 | 6.0 | 4.0 | 4.0 | 4.0 | 24 | 8.0 |
| 9 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 24 | 5.0 |
| 10 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 6.0 | 5.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 6.0 | 5.0 | 3.0 | 7.0 | 6.0 | 5.0 | 24 | 7.0 |
| 11 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 8.0 | 8.0 | 7.0 | 5.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 24 | 8.0 |
| 12 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 | 3.0 | 6.0 | 12.0 | 14.0 | 4.0 | 2.0 | 2.0 | 7.0 | 5.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 8.0 | 9.0 | 7.0 | 6.0 | 6.0 | 24 | 14.0 |
| 13 | 5.0 | 5.0 | 4.0 | 9.0 | 11.0 | 9.0 | 10.0 | 9.0 | 4.0 | 4.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 8.0 | 8.0 | 9.0 | 11.0 | 7.0 | 6.0 | 6.0 | 24 | 11.0 |
| 14 | 7.0 | 4.0 | 3.0 | 2.0 | 4.0 | 5.0 | 8.0 | 8.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 10.0 | 18.0 | 25.0 | 17.0 | 23.0 | 22.0 | 24 | 25.0 |
| 15 | 18.0 | 20.0 | 16.0 | 10.0 | 8.0 | 8.0 | 9.0 | 9.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 5.0 | 8.0 | 11.0 | 7.0 | 7.0 | 6.0 | 12.0 | 24 | 20.0 |
| 16 | 11.0 | 7.0 | 6.0 | 16.0 | 14.0 | 11.0 | 11.0 | 10.0 | 13.0 | 9.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 8.0 | 15.0 | 16.0 | 7.0 | 5.0 | 5.0 | 4.0 | 24 | 16.0 |
| 17 | 4.0 | 3.0 | 6.0 | 5.0 | 5.0 | 9.0 | 19.0 | 23.0 | 21.0 | 13.0 | BF | BF | 4.0 | 4.0 | 5.0 | 4.0 | 6.0 | 10.0 | 21.0 | 18.0 | 20.0 | 19.0 | 19.0 | 21.0 | 22 | 23.0 |
| 18 | 14.0 | 14.0 | 13.0 | 11.0 | 14.0 | 23.0 | 29.0 | 30.0 | 22.0 | 19.0 | 11.0 | 6.0 | 4.0 | 3.0 | 4.0 | 5.0 | 7.0 | 7.0 | 5.0 | 6.0 | 7.0 | 9.0 | 6.0 | 3.0 | 24 | 30.0 |
| 19 | 2.0 | .0 | .0 | .0 | .0 | 1.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 7.0 | 8.0 | 8.0 | 9.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 24 | 9.0 |
| 20 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 8.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 6.0 | 8.0 | 6.0 | 11.0 | 8.0 | 9.0 | 24 | 11.0 |
| 21 | 9.0 | 9.0 | 7.0 | 6.0 | 11.0 | 11.0 | 12.0 | 11.0 | 10.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 8.0 | 27.0 | 28.0 | 25.0 | 26.0 | 20.0 | 16.0 | 24 | 28.0 |
| 22 | 5.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 6.0 | 5.0 | 3.0 | 3.0 | 6.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 8.0 | 22.0 | 25.0 | 17.0 | 16.0 | 15.0 | 17.0 | 24 | 25.0 |
| 23 | 13.0 | 11.0 | 11.0 | 10.0 | 11.0 | 13.0 | 9.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 7.0 | 19.0 | 25.0 | 21.0 | 11.0 | 15.0 | 10.0 | 24 | 25.0 |
| 24 | 12.0 | 11.0 | 16.0 | 18.0 | 9.0 | 9.0 | 10.0 | 10.0 | 25.0 | 16.0 | 7.0 | 8.0 | 5.0 | 2.0 | 3.0 | 3.0 | 6.0 | 16.0 | 28.0 | 30.0 | 21.0 | 22.0 | 20.0 | 17.0 | 24 | 30.0 |
| 25 | 7.0 | 5.0 | 8.0 | 10.0 | 8.0 | 8.0 | 19.0 | 21.0 | 12.0 | 2.0 | 1.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 6.0 | 14.0 | 32.0 | 44.0 | 37.0 | 39.0 | 22.0 | 11.0 | 24 | 44.0 |
| 26 | 5.0 | 6.0 | 6.0 | 8.0 | 10.0 | 18.0 | 29.0 | 24.0 | 16.0 | 11.0 | 9.0 | 8.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 12.0 | 14.0 | 12.0 | 9.0 | 7.0 | 7.0 | 6.0 | 24 | 29.0 |
| 27 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 10.0 | 19.0 | 18.0 | 11.0 | 10.0 | 7.0 | 6.0 | 6.0 | 5.0 | 4.0 | 6.0 | 8.0 | 10.0 | 11.0 | 8.0 | 4.0 | 5.0 | 5.0 | 3.0 | 24 | 19.0 |
| 28 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 4.0 | 3.0 | 2.0 | 24 | 4.0 |
| 29 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 5.0 | 8.0 | 7.0 | 8.0 | 7.0 | 9.0 | 12.0 | 24 | 12.0 |
| 30 | 13.0 | 11.0 | 11.0 | 6.0 | 5.0 | 7.0 | 7.0 | 9.0 | 7.0 | 4.0 | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 7.0 | 11.0 | 14.0 | 11.0 | 11.0 | 7.0 | 6.0 | 24 | 14.0 |
| 31 | 5.0 | 4.0 | 4.0 | 7.0 | 7.0 | 8.0 | 14.0 | 11.0 | 6.0 | 7.0 | 7.0 | 8.0 | 7.0 | 6.0 | 9.0 | 10.0 | 9.0 | 15.0 | 18.0 | 21.0 | 16.0 | 16.0 | 20.0 | 16.0 | 24 | 21.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 18.0 | 20.0 | 16.0 | 18.0 | 14.0 | 23.0 | 29.0 | 30.0 | 25.0 | 19.0 | 11.0 | 8.0 | 7.0 | 6.0 | 9.0 | 10.0 | 9.0 | 16.0 | 32.0 | 44.0 | 37.0 | 39.0 | 23.0 | 25.0 | | |
| AVG: | 7.00 | 6.32 | 5.65 | 6.16 | 6.13 | 7.45 | 10.29 | 10.32 | 8.32 | 5.16 | 3.59 | 3.21 | 2.68 | 2.45 | 2.71 | 3.16 | 4.03 | 7.16 | 11.87 | 12.97 | 11.48 | 10.61 | 10.16 | 9.55 | | |

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 7.04 MONTHLY MAX: 44.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.0 | 17.0 | 17.0 | 15.0 | 16.0 | 22.0 | 18.0 | 18.0 | 18.0 | 9.0 | BF | 1.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 14.0 | 20.0 | 23.0 | 28.0 | 27.0 | 21.0 | 24.0 | 23 | 28.0 |
| 2 | 23.0 | 29.0 | 22.0 | 16.0 | 17.0 | 20.0 | 14.0 | 15.0 | 20.0 | 32.0 | 13.0 | 10.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 23.0 | 33.0 | 36.0 | 38.0 | 20.0 | 24.0 | 23.0 | 24 | 38.0 |
| 3 | 22.0 | 25.0 | 23.0 | 20.0 | 17.0 | 19.0 | 18.0 | 25.0 | 26.0 | 14.0 | 7.0 | 5.0 | 5.0 | 6.0 | 9.0 | 7.0 | 7.0 | 15.0 | 27.0 | 29.0 | 25.0 | 21.0 | 9.0 | 3.0 | 24 | 29.0 |
| 4 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 1.0 | 24 | 5.0 |
| 5 | 3.0 | 2.0 | 3.0 | 1.0 | 1.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 6.0 | 10.0 | 7.0 | 7.0 | 11.0 | 9.0 | 7.0 | 24 | 11.0 |
| 6 | 6.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 13.0 | 17.0 | 23.0 | 21.0 | 23.0 | 22.0 | 19.0 | 24 | 23.0 |
| 7 | 19.0 | 17.0 | 15.0 | 15.0 | 13.0 | 13.0 | 13.0 | 14.0 | 19.0 | 15.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 6.0 | 10.0 | 17.0 | 24.0 | 30.0 | 24.0 | 29.0 | 21.0 | 22.0 | 24 | 30.0 |
| 8 | 21.0 | 23.0 | 19.0 | 18.0 | 15.0 | 12.0 | 18.0 | 15.0 | 18.0 | 17.0 | 10.0 | 15.0 | 16.0 | 10.0 | 8.0 | 10.0 | 8.0 | 23.0 | 49.0 | 30.0 | 32.0 | 26.0 | 26.0 | 25.0 | 24 | 49.0 |
| 9 | 17.0 | 19.0 | 17.0 | 14.0 | 13.0 | 18.0 | 15.0 | 13.0 | 13.0 | 16.0 | 19.0 | 8.0 | 5.0 | 4.0 | 6.0 | 8.0 | 11.0 | 26.0 | 37.0 | 35.0 | 34.0 | 31.0 | 35.0 | 26.0 | 24 | 37.0 |
| 10 | 22.0 | 20.0 | 23.0 | 27.0 | 23.0 | 15.0 | 22.0 | 18.0 | 21.0 | 18.0 | 11.0 | 11.0 | 9.0 | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 18.0 | 22.0 | 32.0 | 23.0 | 4.0 | 24 | 32.0 |
| 11 | 3.0 | 4.0 | 5.0 | 6.0 | 11.0 | 13.0 | 14.0 | 8.0 | 4.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 18.0 | 29.0 | 31.0 | 21.0 | 22.0 | 29.0 | 30.0 | 24 | 31.0 |
| 12 | 24.0 | 25.0 | 24.0 | 24.0 | 23.0 | 21.0 | 22.0 | 19.0 | 19.0 | 20.0 | 15.0 | 7.0 | 6.0 | 6.0 | 7.0 | 8.0 | 9.0 | 16.0 | 17.0 | 19.0 | 16.0 | 14.0 | 11.0 | 13.0 | 24 | 25.0 |
| 13 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 5.0 | 7.0 | 12.0 | 10.0 | 8.0 | 5.0 | 5.0 | 6.0 | 24 | 12.0 |
| 14 | 4.0 | 5.0 | 4.0 | 6.0 | 5.0 | 5.0 | 6.0 | 13.0 | 10.0 | 6.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 10.0 | 12.0 | 16.0 | 9.0 | 8.0 | 8.0 | 24 | 16.0 |
| 15 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 6.0 | 7.0 | 7.0 | 6.0 | BF | BF | 4.0 | 4.0 | 6.0 | 7.0 | 7.0 | 11.0 | 13.0 | 9.0 | 10.0 | 14.0 | 9.0 | 8.0 | 22 | 14.0 |
| 16 | 6.0 | 7.0 | 8.0 | 7.0 | 9.0 | 12.0 | 17.0 | 20.0 | 14.0 | 13.0 | 13.0 | 10.0 | 6.0 | 5.0 | 4.0 | 4.0 | 7.0 | 12.0 | 5.0 | 4.0 | 5.0 | 4.0 | 1.0 | 1.0 | 24 | 20.0 |
| 17 | 1.0 | .0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 9.0 | 6.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 12.0 | 13.0 | 18.0 | 20.0 | 26.0 | 21.0 | 24 | 26.0 |
| 18 | 22.0 | 17.0 | 18.0 | 20.0 | 23.0 | 22.0 | 24.0 | 19.0 | 15.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 18.0 | 34.0 | 35.0 | 28.0 | 27.0 | 26.0 | 24.0 | 24 | 35.0 |
| 19 | 21.0 | 21.0 | 20.0 | 18.0 | 19.0 | 19.0 | 14.0 | 13.0 | 16.0 | 17.0 | 7.0 | 5.0 | 4.0 | 4.0 | 6.0 | 10.0 | 10.0 | 18.0 | 29.0 | 30.0 | 31.0 | 18.0 | 18.0 | 28.0 | 24 | 31.0 |
| 20 | 28.0 | 21.0 | 18.0 | 21.0 | 22.0 | 18.0 | 17.0 | 19.0 | 14.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 24 | 28.0 |
| 21 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 7.0 | 10.0 | 13.0 | 13.0 | 12.0 | 10.0 | 7.0 | 7.0 | 9.0 | 6.0 | 4.0 | 12.0 | 28.0 | 27.0 | 15.0 | 18.0 | 15.0 | 16.0 | 19.0 | 24 | 28.0 |
| 22 | 12.0 | 12.0 | 12.0 | 13.0 | 15.0 | 14.0 | 13.0 | 14.0 | 16.0 | 17.0 | 16.0 | 13.0 | 9.0 | 6.0 | 6.0 | 8.0 | 16.0 | 15.0 | 11.0 | 5.0 | 4.0 | 7.0 | 4.0 | 4.0 | 24 | 17.0 |
| 23 | 4.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 7.0 | 4.0 | 8.0 | 4.0 | 6.0 | 8.0 | 24 | 8.0 |
| 24 | 14.0 | 17.0 | 25.0 | 23.0 | 21.0 | 18.0 | 16.0 | 13.0 | 12.0 | 5.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 5.0 | 13.0 | 29.0 | 33.0 | 32.0 | 30.0 | 30.0 | 34.0 | 24 | 34.0 |
| 25 | 33.0 | 28.0 | 26.0 | 25.0 | 22.0 | 21.0 | 23.0 | 19.0 | 18.0 | 18.0 | 12.0 | 8.0 | 6.0 | 5.0 | 4.0 | 4.0 | 7.0 | 19.0 | 24.0 | 22.0 | 26.0 | 23.0 | 20.0 | 18.0 | 24 | 33.0 |
| 26 | 18.0 | 17.0 | 14.0 | 14.0 | 14.0 | 18.0 | 14.0 | 17.0 | 18.0 | 12.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 12.0 | 20.0 | 27.0 | 20.0 | 9.0 | 9.0 | 8.0 | 24 | 27.0 |
| 27 | 6.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 4.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 7.0 | 8.0 | 8.0 | 8.0 | 2.0 | 1.0 | .0 | 24 | 8.0 |
| 28 | 2.0 | .0 | 1.0 | .0 | 1.0 | 1.0 | 2.0 | 7.0 | 6.0 | 4.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | .0 | 1.0 | 24 | 7.0 |
| 29 | 1.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | BF | 6.0 | 7.0 | 8.0 | 8.0 | 7.0 | 6.0 | 5.0 | 7.0 | 7.0 | 6.0 | 23 | 8.0 |
| 30 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 8.0 | 10.0 | 9.0 | 9.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 16.0 | 21.0 | 16.0 | 10.0 | 9.0 | 8.0 | 5.0 | 24 | 21.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 29 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 33.0 | 29.0 | 26.0 | 27.0 | 23.0 | 22.0 | 24.0 | 25.0 | 26.0 | 32.0 | 19.0 | 15.0 | 16.0 | 10.0 | 9.0 | 10.0 | 16.0 | 28.0 | 49.0 | 36.0 | 38.0 | 32.0 | 35.0 | 34.0 | | |
| AVG: | 12.37 | 12.10 | 11.60 | 11.27 | 11.20 | 11.43 | 11.70 | 12.03 | 12.10 | 9.97 | 6.61 | 4.83 | 4.00 | 3.55 | 4.07 | 4.90 | 6.50 | 13.10 | 18.37 | 18.10 | 17.47 | 15.60 | 14.30 | 13.27 | | |

MONTHLY OBSERVATIONS: 716 MONTHLY MEAN: 10.88 MONTHLY MAX: 49.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-067-0022 POC: 1
COUNTY: (067) Forsyth
CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
SITE COMMENTS: SLAMS SO2/NOX & SPM NOY/CO/O3/HYDROCARBON "PAMS" SITE.
MONITOR COMMENTS: CSI 1600 ANALYZER/CHANGED TO API 200A 2/96

STATE: (37) North Carolina
AQCR: (136) NORTHERN PIEDMONT
URBANIZED AREA: (9220) WINSTON-SALEM, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 36.110556
LONGITUDE: -80.226667
UTM ZONE: 17
UTM NORTHING: 3996287
UTM EASTING: 569604
ELEVATION-MSL: 284
PROBE HEIGHT: 3

SUPPORT AGENCY: (0403) Forsyth County Environmental Affairs Department
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (599) Instrumental Chemiluminescence Tel
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: .05

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.0 | 10.0 | 9.0 | 13.0 | 16.0 | 8.0 | 16.0 | 26.0 | 14.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 11.0 | 17.0 | 29.0 | 34.0 | 36.0 | 35.0 | 28.0 | 29.0 | 27.0 | 24 | 36.0 |
| 2 | 27.0 | 24.0 | 27.0 | 29.0 | 24.0 | 22.0 | 25.0 | 24.0 | 25.0 | 24.0 | 11.0 | 8.0 | 10.0 | 5.0 | 4.0 | 5.0 | 9.0 | 33.0 | 31.0 | 43.0 | 38.0 | 39.0 | 36.0 | 19.0 | 24 | 43.0 |
| 3 | 14.0 | 16.0 | 9.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 8.0 | 12.0 | 20.0 | 23.0 | 22.0 | 20.0 | 11.0 | 10.0 | 12.0 | 24 | 23.0 |
| 4 | 14.0 | 10.0 | 11.0 | 13.0 | 15.0 | 13.0 | 11.0 | 12.0 | 11.0 | 7.0 | 5.0 | 5.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.0 | 20.0 | 24.0 | 16.0 | 29.0 | 31.0 | 24.0 | 20.0 | 24 | 31.0 |
| 5 | 12.0 | 9.0 | 6.0 | 5.0 | 5.0 | 6.0 | 11.0 | 14.0 | 12.0 | 7.0 | 5.0 | 7.0 | 10.0 | 9.0 | 7.0 | 9.0 | 16.0 | 30.0 | 24.0 | 23.0 | 26.0 | 24.0 | 23.0 | 18.0 | 24 | 30.0 |
| 6 | 13.0 | 4.0 | 6.0 | 3.0 | 2.0 | 3.0 | 7.0 | 9.0 | 13.0 | 10.0 | 8.0 | 8.0 | 7.0 | 8.0 | 10.0 | 16.0 | 20.0 | 16.0 | 14.0 | 13.0 | 14.0 | 7.0 | 10.0 | 7.0 | 24 | 20.0 |
| 7 | 5.0 | 3.0 | 4.0 | 2.0 | 4.0 | 3.0 | 5.0 | 7.0 | 7.0 | 6.0 | 5.0 | 6.0 | BC | BC | BC | 7.0 | 6.0 | 10.0 | 10.0 | 7.0 | 7.0 | 6.0 | 7.0 | 5.0 | 21 | 10.0 |
| 8 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 11.0 | 13.0 | 10.0 | 5.0 | 3.0 | 2.0 | 1.0 | 4.0 | 6.0 | 8.0 | 16.0 | 29.0 | 32.0 | 31.0 | 31.0 | 28.0 | 26.0 | 25.0 | 24 | 32.0 |
| 9 | 24.0 | 21.0 | 20.0 | 19.0 | 13.0 | 19.0 | 26.0 | 22.0 | 20.0 | 18.0 | 21.0 | 13.0 | 5.0 | 4.0 | 6.0 | 8.0 | 12.0 | 26.0 | 36.0 | 32.0 | 29.0 | 32.0 | 27.0 | 31.0 | 24 | 36.0 |
| 10 | 25.0 | 20.0 | 22.0 | 12.0 | 10.0 | 8.0 | 12.0 | 16.0 | 14.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 12.0 | 13.0 | 14.0 | 18.0 | 21.0 | 14.0 | 24 | 25.0 |
| 11 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 11.0 | 16.0 | 11.0 | 11.0 | 8.0 | 7.0 | 8.0 | 24 | 16.0 |
| 12 | 7.0 | 7.0 | 7.0 | 5.0 | 4.0 | 5.0 | 4.0 | 7.0 | 9.0 | 6.0 | 7.0 | 5.0 | 4.0 | 4.0 | 6.0 | 8.0 | 9.0 | 14.0 | 21.0 | 28.0 | 25.0 | 20.0 | 21.0 | 25.0 | 24 | 28.0 |
| 13 | 33.0 | 30.0 | 26.0 | 24.0 | 21.0 | 21.0 | 25.0 | 22.0 | 22.0 | BF | BF | 11.0 | 12.0 | 10.0 | 3.0 | 4.0 | 6.0 | 32.0 | 23.0 | 33.0 | 34.0 | 45.0 | 35.0 | 26.0 | 22 | 45.0 |
| 14 | 22.0 | 18.0 | 7.0 | 7.0 | 10.0 | 12.0 | 14.0 | 17.0 | 15.0 | 11.0 | 8.0 | 8.0 | 9.0 | 6.0 | 6.0 | 6.0 | 11.0 | 26.0 | 27.0 | 26.0 | 21.0 | 16.0 | 10.0 | 10.0 | 24 | 27.0 |
| 15 | 10.0 | 12.0 | 10.0 | 9.0 | 7.0 | 9.0 | 14.0 | 17.0 | 12.0 | 9.0 | 7.0 | 5.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 10.0 | 13.0 | 15.0 | 11.0 | 10.0 | 7.0 | 5.0 | 24 | 17.0 |
| 16 | 5.0 | 4.0 | 5.0 | 6.0 | 9.0 | 9.0 | 22.0 | 22.0 | 22.0 | 24.0 | 24.0 | 25.0 | 24.0 | 8.0 | 3.0 | 5.0 | 6.0 | 6.0 | 5.0 | 3.0 | 3.0 | 5.0 | 8.0 | 3.0 | 24 | 25.0 |
| 17 | 2.0 | 3.0 | 4.0 | 4.0 | 2.0 | 3.0 | 7.0 | 14.0 | 10.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 9.0 | 13.0 | 12.0 | 13.0 | 25.0 | 15.0 | 15.0 | 24 | 25.0 |
| 18 | 12.0 | 20.0 | 19.0 | 16.0 | 14.0 | 13.0 | 7.0 | 16.0 | 12.0 | 8.0 | 3.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 5.0 | 18.0 | 20.0 | 31.0 | 29.0 | 26.0 | 24.0 | 23.0 | 24 | 31.0 |
| 19 | 24.0 | 12.0 | 10.0 | 18.0 | 17.0 | 15.0 | 18.0 | 22.0 | 23.0 | 14.0 | 10.0 | 8.0 | 6.0 | 5.0 | 6.0 | 7.0 | 15.0 | 19.0 | 38.0 | 25.0 | 12.0 | 12.0 | 13.0 | 12.0 | 24 | 38.0 |
| 20 | 10.0 | 10.0 | 10.0 | 9.0 | 8.0 | 19.0 | 30.0 | 33.0 | 30.0 | 30.0 | 24.0 | 13.0 | 9.0 | 9.0 | 12.0 | 19.0 | 26.0 | 19.0 | 12.0 | 9.0 | 9.0 | 5.0 | 6.0 | 4.0 | 24 | 33.0 |
| 21 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 7.0 | 9.0 | 13.0 | 20.0 | 18.0 | 8.0 | 7.0 | AZ | AZ | AZ | AZ | AZ | 8.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 19 | 20.0 |
| 22 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 5.0 | 8.0 | 12.0 | 11.0 | 6.0 | 4.0 | 5.0 | 9.0 | 10.0 | 9.0 | 8.0 | 5.0 | 7.0 | 7.0 | 7.0 | 4.0 | 3.0 | 2.0 | 24 | 12.0 |
| 23 | 2.0 | 1.0 | 1.0 | 3.0 | 3.0 | 6.0 | 5.0 | 8.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 4.0 | 7.0 | 10.0 | 10.0 | 14.0 | 16.0 | 15.0 | 24 | 16.0 |
| 24 | 11.0 | 8.0 | 10.0 | 19.0 | 15.0 | 16.0 | 15.0 | 15.0 | 14.0 | 3.0 | 1.0 | .0 | .0 | .0 | 1.0 | 3.0 | 5.0 | 17.0 | 23.0 | 22.0 | 19.0 | 23.0 | 16.0 | 16.0 | 24 | 23.0 |
| 25 | 19.0 | 18.0 | 19.0 | 17.0 | 13.0 | 15.0 | 15.0 | 13.0 | 11.0 | 10.0 | 10.0 | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 | 7.0 | 10.0 | 12.0 | 8.0 | 8.0 | 9.0 | 12.0 | 13.0 | 24 | 19.0 |
| 26 | 8.0 | 5.0 | 5.0 | 6.0 | 5.0 | 6.0 | 6.0 | 3.0 | 4.0 | 3.0 | 1.0 | .0 | .0 | .0 | 1.0 | 4.0 | 6.0 | 10.0 | 18.0 | 22.0 | 22.0 | 20.0 | 21.0 | 16.0 | 24 | 22.0 |
| 27 | 10.0 | 6.0 | 4.0 | 4.0 | 5.0 | 5.0 | 7.0 | 7.0 | 5.0 | 3.0 | 2.0 | BF | BF | 4.0 | 4.0 | 5.0 | 9.0 | 9.0 | 6.0 | 4.0 | 2.0 | 2.0 | 3.0 | 5.0 | 22 | 10.0 |
| 28 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 13.0 | 7.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 5.0 | 11.0 | 17.0 | 10.0 | 11.0 | 11.0 | 11.0 | 15.0 | 24 | 17.0 |
| 29 | 20.0 | 21.0 | 23.0 | 20.0 | 18.0 | 17.0 | 20.0 | 17.0 | 15.0 | 18.0 | 19.0 | 11.0 | 7.0 | 8.0 | 8.0 | 10.0 | 14.0 | 28.0 | 30.0 | 32.0 | 32.0 | 30.0 | 27.0 | 29.0 | 24 | 32.0 |
| 30 | 21.0 | 18.0 | 17.0 | 19.0 | 19.0 | 22.0 | 23.0 | 22.0 | 19.0 | 14.0 | 11.0 | 11.0 | 7.0 | 4.0 | 3.0 | 5.0 | 5.0 | 6.0 | 7.0 | 8.0 | 7.0 | 5.0 | 5.0 | 6.0 | 24 | 23.0 |
| 31 | 6.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 16.0 | 28.0 | 24.0 | 27.0 | 31.0 | 31.0 | 26.0 | 24 | 31.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 28 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 33.0 | 30.0 | 27.0 | 29.0 | 24.0 | 22.0 | 30.0 | 33.0 | 30.0 | 30.0 | 24.0 | 25.0 | 24.0 | 10.0 | 12.0 | 19.0 | 26.0 | 33.0 | 38.0 | 43.0 | 38.0 | 45.0 | 36.0 | 31.0 | | |
| AVG: | 12.26 | 10.55 | 9.97 | 9.87 | 9.16 | 10.19 | 12.61 | 14.16 | 13.19 | 9.63 | 7.37 | 6.20 | 5.50 | 4.69 | 4.72 | 6.43 | 9.23 | 16.42 | 18.94 | 18.71 | 18.03 | 17.68 | 16.35 | 14.68 | | |

MONTHLY OBSERVATIONS: 732 MONTHLY MEAN: 11.61 MONTHLY MAX: 45.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JANUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.0 | 35.0 | 30.0 | 27.0 | 27.0 | 24.0 | 17.0 | 17.0 | 11.0 | 7.0 | 6.0 | 5.0 | 3.0 | 4.0 | 5.0 | 11.0 | 17.0 | 23.0 | 15.0 | 7.0 | 7.0 | 7.0 | 10.0 | 5.0 | 24 | 38.0 |
| 2 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 12.0 | 10.0 | 6.0 | 4.0 | 24 | 12.0 |
| 3 | 7.0 | 7.0 | 5.0 | 6.0 | 13.0 | 20.0 | 28.0 | 30.0 | 28.0 | 10.0 | 11.0 | 11.0 | 9.0 | 9.0 | 10.0 | 11.0 | 14.0 | 18.0 | 20.0 | 35.0 | 35.0 | 34.0 | 34.0 | 33.0 | 24 | 35.0 |
| 4 | 32.0 | 32.0 | 32.0 | 30.0 | 26.0 | 27.0 | 29.0 | 30.0 | 28.0 | 23.0 | 16.0 | 13.0 | 6.0 | 6.0 | 7.0 | 7.0 | 9.0 | 13.0 | 30.0 | 37.0 | 37.0 | 37.0 | 40.0 | 38.0 | 24 | 40.0 |
| 5 | 34.0 | 34.0 | 30.0 | 29.0 | 27.0 | 28.0 | 29.0 | 28.0 | 29.0 | 32.0 | 35.0 | 39.0 | 37.0 | 34.0 | 28.0 | 25.0 | 30.0 | 36.0 | 31.0 | 28.0 | 26.0 | 24.0 | 26.0 | 29.0 | 24 | 39.0 |
| 6 | 32.0 | 32.0 | 33.0 | 33.0 | 31.0 | 25.0 | 23.0 | 23.0 | 23.0 | 15.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 9.0 | 10.0 | 17.0 | 32.0 | 35.0 | 29.0 | 16.0 | 10.0 | 21.0 | 24 | 35.0 |
| 7 | 28.0 | 24.0 | 21.0 | 21.0 | 22.0 | 18.0 | 30.0 | 30.0 | 28.0 | 21.0 | 16.0 | 8.0 | 6.0 | 5.0 | 5.0 | 6.0 | 7.0 | 14.0 | 26.0 | 33.0 | 27.0 | 20.0 | 15.0 | 19.0 | 24 | 33.0 |
| 8 | 11.0 | 10.0 | 17.0 | 18.0 | 18.0 | 19.0 | 19.0 | 25.0 | 17.0 | 9.0 | 7.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 10.0 | 24 | 25.0 |
| 9 | 8.0 | 7.0 | 11.0 | 9.0 | 9.0 | 12.0 | 21.0 | 26.0 | 19.0 | 9.0 | 6.0 | 8.0 | 6.0 | 4.0 | 6.0 | 7.0 | 7.0 | 14.0 | 27.0 | 34.0 | 33.0 | 35.0 | 35.0 | 24.0 | 24 | 35.0 |
| 10 | 10.0 | 8.0 | 6.0 | 6.0 | 4.0 | 5.0 | 8.0 | 8.0 | 8.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 8.0 | 12.0 | 8.0 | 7.0 | 6.0 | 6.0 | 6.0 | 7.0 | 24 | 12.0 |
| 11 | 8.0 | 8.0 | 6.0 | 6.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 11.0 | 11.0 | 13.0 | 13.0 | 10.0 | 8.0 | 8.0 | 7.0 | 8.0 | 12.0 | 9.0 | 10.0 | 24 | 13.0 |
| 12 | 10.0 | 9.0 | 6.0 | 7.0 | 8.0 | 17.0 | 12.0 | 14.0 | 13.0 | 13.0 | 11.0 | 8.0 | 5.0 | 4.0 | 5.0 | 5.0 | 6.0 | 11.0 | 14.0 | 11.0 | 10.0 | 10.0 | 15.0 | 12.0 | 24 | 17.0 |
| 13 | 11.0 | 16.0 | 17.0 | 13.0 | 14.0 | 13.0 | 15.0 | 18.0 | 23.0 | BF | BF | BF | BF | BF | 6.0 | 8.0 | 10.0 | 18.0 | 35.0 | 42.0 | 40.0 | 42.0 | 39.0 | 29.0 | 19 | 42.0 |
| 14 | 16.0 | 12.0 | 16.0 | 22.0 | 25.0 | 29.0 | 32.0 | 36.0 | 31.0 | 12.0 | 8.0 | 6.0 | 8.0 | 14.0 | 17.0 | 16.0 | 16.0 | 23.0 | 40.0 | 43.0 | 43.0 | 42.0 | 40.0 | 39.0 | 24 | 43.0 |
| 15 | 37.0 | 38.0 | 36.0 | 36.0 | 32.0 | 33.0 | 35.0 | 35.0 | 30.0 | 23.0 | 17.0 | 13.0 | 9.0 | 7.0 | 6.0 | 6.0 | 6.0 | 11.0 | 16.0 | 35.0 | 36.0 | 31.0 | 29.0 | 22.0 | 24 | 38.0 |
| 16 | 18.0 | 21.0 | 24.0 | 33.0 | 34.0 | 33.0 | 30.0 | 31.0 | 33.0 | 30.0 | 12.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 5.0 | 7.0 | 29.0 | 34.0 | 38.0 | 38.0 | 38.0 | 36.0 | 24 | 38.0 |
| 17 | 36.0 | 34.0 | 32.0 | 33.0 | 34.0 | 33.0 | 32.0 | 29.0 | 24.0 | 16.0 | 12.0 | 11.0 | 13.0 | 15.0 | 17.0 | 20.0 | 19.0 | 21.0 | 19.0 | 18.0 | 17.0 | 16.0 | 16.0 | 17.0 | 24 | 36.0 |
| 18 | 12.0 | 10.0 | 9.0 | 8.0 | 8.0 | 8.0 | 12.0 | 17.0 | 19.0 | 17.0 | 15.0 | 16.0 | 19.0 | 25.0 | 27.0 | 27.0 | 25.0 | 25.0 | 22.0 | 14.0 | 12.0 | 12.0 | 11.0 | 9.0 | 24 | 27.0 |
| 19 | 8.0 | 7.0 | 7.0 | 8.0 | 10.0 | 10.0 | 15.0 | 17.0 | 17.0 | 15.0 | 13.0 | 15.0 | 11.0 | 11.0 | 10.0 | 10.0 | 9.0 | 13.0 | 21.0 | 29.0 | 15.0 | 12.0 | 16.0 | 22.0 | 24 | 29.0 |
| 20 | 24.0 | 22.0 | 17.0 | 15.0 | 14.0 | 15.0 | 12.0 | 20.0 | 23.0 | 13.0 | BF | BF | BF | BF | 6.0 | 6.0 | 7.0 | 20.0 | 29.0 | 32.0 | 29.0 | 24.0 | 15.0 | 9.0 | 20 | 32.0 |
| 21 | 8.0 | 13.0 | 13.0 | 6.0 | 6.0 | 7.0 | 8.0 | 13.0 | 13.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 11.0 | 10.0 | 13.0 | 17.0 | 13.0 | 10.0 | 10.0 | 24 | 17.0 |
| 22 | 6.0 | 6.0 | 7.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | 8.0 | 8.0 | 6.0 | 6.0 | 8.0 | 12.0 | 17.0 | 27.0 | 38.0 | 40.0 | 40.0 | 39.0 | 36.0 | 24 | 40.0 |
| 23 | 36.0 | 37.0 | 37.0 | 35.0 | 35.0 | 35.0 | 38.0 | 37.0 | 40.0 | 38.0 | 15.0 | 8.0 | 9.0 | 14.0 | 10.0 | 8.0 | 11.0 | 14.0 | 33.0 | 40.0 | 40.0 | 39.0 | 38.0 | 38.0 | 24 | 40.0 |
| 24 | 36.0 | 36.0 | 34.0 | 34.0 | 33.0 | 30.0 | 31.0 | 22.0 | 17.0 | 13.0 | 11.0 | 10.0 | 10.0 | 9.0 | 7.0 | 7.0 | 7.0 | 14.0 | 13.0 | 22.0 | 31.0 | 27.0 | 25.0 | 24.0 | 24 | 36.0 |
| 25 | 18.0 | 23.0 | 28.0 | 31.0 | 30.0 | 31.0 | 33.0 | 31.0 | 32.0 | 28.0 | 25.0 | 19.0 | 22.0 | 18.0 | 23.0 | 30.0 | 35.0 | 35.0 | 36.0 | 35.0 | 35.0 | 32.0 | 27.0 | 27.0 | 24 | 36.0 |
| 26 | 26.0 | 21.0 | 15.0 | 12.0 | 9.0 | 12.0 | 13.0 | 9.0 | 19.0 | 16.0 | 12.0 | 13.0 | 22.0 | 14.0 | 12.0 | 16.0 | 15.0 | 10.0 | 14.0 | 17.0 | 28.0 | 23.0 | 21.0 | 19.0 | 24 | 28.0 |
| 27 | 22.0 | 24.0 | 27.0 | 24.0 | 23.0 | 25.0 | 28.0 | 33.0 | 34.0 | 21.0 | 14.0 | 12.0 | 10.0 | 14.0 | 17.0 | 14.0 | 12.0 | 9.0 | 17.0 | 34.0 | 30.0 | 30.0 | 32.0 | 31.0 | 24 | 34.0 |
| 28 | 25.0 | 27.0 | 24.0 | 22.0 | 23.0 | 26.0 | 26.0 | 28.0 | 28.0 | 24.0 | 21.0 | 23.0 | 15.0 | 12.0 | 9.0 | 9.0 | 7.0 | 14.0 | 22.0 | 20.0 | 30.0 | 34.0 | 37.0 | 37.0 | 24 | 37.0 |
| 29 | 34.0 | 31.0 | 30.0 | 29.0 | 28.0 | 27.0 | 30.0 | 31.0 | 27.0 | 20.0 | 10.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 6.0 | 10.0 | 14.0 | 17.0 | 16.0 | 24.0 | 24.0 | 24 | 34.0 |
| 30 | 27.0 | 32.0 | 34.0 | 30.0 | 28.0 | 26.0 | 26.0 | 25.0 | 22.0 | 20.0 | 24.0 | 22.0 | 12.0 | 6.0 | 4.0 | 3.0 | 4.0 | 5.0 | 9.0 | 12.0 | 21.0 | 23.0 | 17.0 | 11.0 | 24 | 34.0 |
| 31 | 15.0 | 15.0 | 20.0 | 10.0 | 8.0 | 9.0 | 8.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 10.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 24 | 20.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 38.0 | 38.0 | 37.0 | 36.0 | 35.0 | 35.0 | 38.0 | 37.0 | 40.0 | 38.0 | 35.0 | 39.0 | 37.0 | 34.0 | 28.0 | 30.0 | 35.0 | 36.0 | 40.0 | 43.0 | 43.0 | 42.0 | 40.0 | 39.0 | | |
| AVG: | 20.55 | 20.48 | 20.23 | 19.39 | 19.13 | 19.71 | 21.10 | 22.10 | 21.29 | 15.97 | 12.38 | 11.07 | 10.17 | 9.59 | 9.42 | 10.13 | 11.06 | 14.77 | 20.39 | 23.97 | 24.48 | 23.10 | 22.26 | 21.23 | | |

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 17.74 MONTHLY MAX: 43.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

CAS NUMBER: 10102-44-0

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: FEBRUARY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 10.0 | 12.0 | 16.0 | 18.0 | 18.0 | 16.0 | BF | BF | BF | 11.0 | 9.0 | 11.0 | 14.0 | 18.0 | 17.0 | 14.0 | 12.0 | 13.0 | 12.0 | 21 | 18.0 |
| 2 | 8.0 | 4.0 | 3.0 | 3.0 | 11.0 | 11.0 | 8.0 | 7.0 | 8.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 9.0 | 16.0 | 13.0 | 12.0 | 9.0 | 9.0 | 24 | 16.0 |
| 3 | 6.0 | 6.0 | 4.0 | 5.0 | 5.0 | 5.0 | 8.0 | 9.0 | 9.0 | 7.0 | 8.0 | 8.0 | 6.0 | 6.0 | 7.0 | 9.0 | 11.0 | 15.0 | 19.0 | 17.0 | 14.0 | 14.0 | 15.0 | 11.0 | 24 | 19.0 |
| 4 | 8.0 | 7.0 | 7.0 | 6.0 | 7.0 | 12.0 | 13.0 | 12.0 | 8.0 | 7.0 | 11.0 | 10.0 | 11.0 | 13.0 | 16.0 | 17.0 | 20.0 | 17.0 | 19.0 | 19.0 | 22.0 | 22.0 | 22.0 | 23.0 | 24 | 23.0 |
| 5 | 18.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 10.0 | 11.0 | 11.0 | 10.0 | 8.0 | 8.0 | 8.0 | 7.0 | 5.0 | 5.0 | 5.0 | 6.0 | 8.0 | 9.0 | 10.0 | 11.0 | 11.0 | 20.0 | 24 | 20.0 |
| 6 | 18.0 | 17.0 | 19.0 | 19.0 | 21.0 | 18.0 | 16.0 | 15.0 | 15.0 | 12.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 8.0 | 13.0 | 20.0 | 35.0 | 33.0 | 30.0 | 29.0 | 24 | 35.0 |
| 7 | 28.0 | 23.0 | 21.0 | 22.0 | 21.0 | 20.0 | 25.0 | 31.0 | 28.0 | 28.0 | 34.0 | 22.0 | 18.0 | 13.0 | 10.0 | 9.0 | 8.0 | 9.0 | 12.0 | 17.0 | 19.0 | 20.0 | 20.0 | 14.0 | 24 | 34.0 |
| 8 | 10.0 | 6.0 | 6.0 | 10.0 | 12.0 | 9.0 | 13.0 | 16.0 | 16.0 | 7.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 5.0 | 8.0 | 9.0 | 13.0 | 11.0 | 6.0 | 5.0 | 24 | 16.0 |
| 9 | 7.0 | 6.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 21.0 | 17.0 | 6.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 10.0 | 13.0 | 15.0 | 25.0 | 21.0 | 14.0 | 14.0 | 24 | 25.0 |
| 10 | 11.0 | 10.0 | 7.0 | 9.0 | 12.0 | 8.0 | 11.0 | 16.0 | 19.0 | 8.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 6.0 | 7.0 | 18.0 | 41.0 | 42.0 | 39.0 | 39.0 | 38.0 | 24 | 42.0 |
| 11 | 34.0 | 18.0 | 14.0 | 18.0 | 27.0 | 28.0 | 33.0 | 40.0 | 33.0 | 23.0 | BF | BF | BC | BC | BC | 6.0 | 7.0 | 7.0 | 17.0 | 26.0 | 30.0 | 30.0 | 31.0 | 43.0 | 19 | 43.0 |
| 12 | 44.0 | 41.0 | 38.0 | 39.0 | 37.0 | 34.0 | 34.0 | 33.0 | 32.0 | 21.0 | 10.0 | 7.0 | 5.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 13.0 | 23.0 | 22.0 | 13.0 | 25.0 | 33.0 | 24 | 44.0 |
| 13 | 36.0 | 38.0 | 39.0 | 37.0 | 36.0 | 32.0 | 32.0 | 32.0 | 30.0 | 16.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 8.0 | 9.0 | 8.0 | 7.0 | 7.0 | 24 | 39.0 |
| 14 | 7.0 | 6.0 | 7.0 | 6.0 | 5.0 | 7.0 | 11.0 | 13.0 | 13.0 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.0 | 6.0 | 7.0 | 12.0 | 18.0 | 23.0 | 29.0 | 31.0 | 24 | 31.0 |
| 15 | 6.0 | 6.0 | 9.0 | 8.0 | 8.0 | 11.0 | 20.0 | 24.0 | 25.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 5.0 | 13.0 | 26.0 | 26.0 | 23.0 | 31.0 | 23.0 | 30.0 | 24 | 31.0 |
| 16 | 13.0 | 9.0 | 8.0 | 11.0 | 14.0 | 24.0 | 36.0 | 38.0 | 39.0 | 28.0 | 13.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 6.0 | 11.0 | 20.0 | 30.0 | 32.0 | 27.0 | 31.0 | 24 | 39.0 |
| 17 | 30.0 | 23.0 | 15.0 | 15.0 | 14.0 | 12.0 | 24.0 | 30.0 | 28.0 | 19.0 | 15.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 6.0 | 11.0 | 9.0 | 8.0 | 7.0 | 5.0 | 24 | 30.0 |
| 18 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 7.0 | 14.0 | 20.0 | 16.0 | 14.0 | 10.0 | 8.0 | 7.0 | 4.0 | 5.0 | 5.0 | 8.0 | 12.0 | 11.0 | 16.0 | 17.0 | 17.0 | 21.0 | 7.0 | 24 | 21.0 |
| 19 | 7.0 | 5.0 | 8.0 | 8.0 | 7.0 | 9.0 | 9.0 | 12.0 | 8.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 8.0 | 14.0 | 13.0 | 14.0 | 19.0 | 22.0 | 24 | 22.0 |
| 20 | 10.0 | 8.0 | 11.0 | 11.0 | 7.0 | 6.0 | 6.0 | 10.0 | 8.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 4.0 | 24 | 11.0 |
| 21 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 13.0 | 16.0 | 13.0 | 8.0 | BF | BF | BF | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 21 | 16.0 |
| 22 | 3.0 | 3.0 | 4.0 | 4.0 | 8.0 | 12.0 | 16.0 | 21.0 | 26.0 | 8.0 | 5.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 5.0 | 5.0 | 7.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 24 | 26.0 |
| 23 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 10.0 | 11.0 | 8.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 14.0 | 3.0 | 8.0 | 10.0 | 10.0 | 9.0 | 24 | 14.0 |
| 24 | 10.0 | 10.0 | 9.0 | 11.0 | 9.0 | 8.0 | 12.0 | 13.0 | 16.0 | 15.0 | 13.0 | 11.0 | 9.0 | 8.0 | 8.0 | 10.0 | 8.0 | 11.0 | 18.0 | 24.0 | 28.0 | 24.0 | 22.0 | 18.0 | 24 | 28.0 |
| 25 | 15.0 | 10.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 4.0 | 5.0 | 7.0 | 8.0 | 10.0 | 8.0 | 8.0 | 7.0 | 6.0 | 24 | 15.0 |
| 26 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 5 | 5.0 |
| 27 | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | AN | 0 | |
| 28 | AN | AN | AN | AN | AN | AN | AN | AN | BA | BA | BC | BC | BC | BC | BC | BC | 3.0 | 4.0 | 6.0 | 7.0 | 9.0 | 8.0 | 16.0 | 8.0 | 8 | 16.0 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 23 | 22 | 22 | 23 | 24 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| MAX: | 44.0 | 41.0 | 39.0 | 39.0 | 37.0 | 34.0 | 36.0 | 40.0 | 39.0 | 28.0 | 34.0 | 22.0 | 18.0 | 13.0 | 16.0 | 17.0 | 20.0 | 17.0 | 26.0 | 41.0 | 42.0 | 39.0 | 39.0 | 43.0 | | |
| AVG: | 13.65 | 11.31 | 10.81 | 11.38 | 12.19 | 13.12 | 16.44 | 18.88 | 17.96 | 11.92 | 8.74 | 6.50 | 5.73 | 5.04 | 5.29 | 5.48 | 6.04 | 7.73 | 11.65 | 15.19 | 17.19 | 16.77 | 16.77 | 16.77 | | |

MONTHLY OBSERVATIONS: 602 MONTHLY MEAN: 11.90 MONTHLY MAX: 44.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

CAS NUMBER: 10102-44-0

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MARCH 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.0 | 7.0 | 5.0 | 4.0 | 3.0 | 4.0 | 8.0 | 9.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 7.0 | 23.0 | 42.0 | 37.0 | 38.0 | 23.0 | 24 | 42.0 |
| 2 | 11.0 | 8.0 | 10.0 | 11.0 | 9.0 | 13.0 | 25.0 | 35.0 | 30.0 | 16.0 | AZ | AZ | AZ | AZ | AZ | AZ | AZ | 9.0 | 13.0 | 31.0 | 51.0 | 50.0 | 32.0 | 17.0 | 17 | 51.0 |
| 3 | 14.0 | 15.0 | 13.0 | 14.0 | 8.0 | 8.0 | 19.0 | 17.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 8.0 | 6.0 | 5.0 | 5.0 | 4.0 | 24 | 19.0 |
| 4 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 9.0 | 11.0 | 7.0 | BF | BF | BF | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 8.0 | 13.0 | 16.0 | 16.0 | 20.0 | 9.0 | 21 | 20.0 |
| 5 | 8.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 9.0 | 16.0 | 15.0 | 8.0 | 7.0 | 5.0 | 24 | 16.0 |
| 6 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 7.0 | 6.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 24 | 8.0 |
| 7 | 8.0 | 6.0 | 5.0 | 6.0 | 6.0 | 9.0 | 19.0 | 18.0 | 7.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 10.0 | 13.0 | 18.0 | 29.0 | 36.0 | 38.0 | 24 | 38.0 |
| 8 | 35.0 | 33.0 | 32.0 | 31.0 | 26.0 | 27.0 | 34.0 | 28.0 | 16.0 | 7.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 6.0 | 13.0 | 17.0 | 12.0 | 7.0 | 6.0 | 4.0 | 24 | 35.0 |
| 9 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 13.0 | 10.0 | 15.0 | 15.0 | 10.0 | 8.0 | 5.0 | 3.0 | 2.0 | 24 | 15.0 |
| 10 | 6.0 | 11.0 | 14.0 | 10.0 | 9.0 | 6.0 | 9.0 | 16.0 | 8.0 | 6.0 | 6.0 | 6.0 | 7.0 | 6.0 | 6.0 | 3.0 | 6.0 | 10.0 | 10.0 | 8.0 | 6.0 | 5.0 | 6.0 | 6.0 | 24 | 16.0 |
| 11 | 5.0 | 5.0 | 4.0 | 5.0 | 9.0 | 15.0 | 26.0 | 29.0 | 17.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 20.0 | 22.0 | 11.0 | 10.0 | 15.0 | 24 | 29.0 |
| 12 | 28.0 | 31.0 | 31.0 | 28.0 | 29.0 | 29.0 | 30.0 | 25.0 | 19.0 | 12.0 | 8.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 24 | 31.0 |
| 13 | 8.0 | 9.0 | 10.0 | 12.0 | 19.0 | 15.0 | 18.0 | 18.0 | 16.0 | 14.0 | 12.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 24.0 | 37.0 | 40.0 | 12.0 | 10.0 | 24 | 40.0 |
| 14 | 10.0 | 10.0 | 8.0 | 8.0 | 9.0 | 8.0 | 9.0 | BF | BF | AV | AV | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 8.0 | 7.0 | 5.0 | 5.0 | 5.0 | 20 | 10.0 |
| 15 | 4.0 | 5.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 7.0 | 11.0 | 16.0 | 12.0 | 12.0 | 10.0 | 8.0 | 10.0 | 24 | 16.0 |
| 16 | 8.0 | 9.0 | 8.0 | 9.0 | 9.0 | 18.0 | 25.0 | 27.0 | 17.0 | 11.0 | 9.0 | 10.0 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 11.0 | 21.0 | 16.0 | 19.0 | 25.0 | 35.0 | 24 | 35.0 |
| 17 | 36.0 | 34.0 | 29.0 | 27.0 | 27.0 | 26.0 | 25.0 | 26.0 | 13.0 | 12.0 | 8.0 | 12.0 | 13.0 | 18.0 | 15.0 | 8.0 | 6.0 | 6.0 | 8.0 | 13.0 | 22.0 | 23.0 | 19.0 | 14.0 | 24 | 36.0 |
| 18 | 8.0 | 9.0 | 9.0 | 10.0 | 7.0 | 12.0 | 18.0 | 23.0 | 23.0 | 19.0 | 16.0 | 10.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 11.0 | 16.0 | 14.0 | 13.0 | 11.0 | 24 | 23.0 |
| 19 | 15.0 | 28.0 | 32.0 | 32.0 | 32.0 | 34.0 | 35.0 | 12.0 | 8.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 11.0 | 7.0 | 5.0 | 7.0 | 5.0 | 24 | 35.0 |
| 20 | 4.0 | 6.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 24 | 6.0 |
| 21 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 | 11.0 | 8.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 6.0 | 24 | 11.0 |
| 22 | 5.0 | 6.0 | 9.0 | 10.0 | 10.0 | 25.0 | 37.0 | 37.0 | 36.0 | 11.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 8.0 | 11.0 | 12.0 | 11.0 | 7.0 | 4.0 | 24 | 37.0 |
| 23 | 5.0 | 5.0 | 4.0 | 3.0 | 4.0 | 7.0 | 12.0 | 14.0 | 10.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 24 | 14.0 |
| 24 | 4.0 | 4.0 | 10.0 | 14.0 | 13.0 | 10.0 | 9.0 | 10.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 7.0 | 9.0 | 12.0 | 5.0 | 5.0 | 6.0 | 24 | 14.0 |
| 25 | 6.0 | 7.0 | 4.0 | 6.0 | 9.0 | 19.0 | 24.0 | BF | BF | BF | BC | BC | BC | BC | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 10.0 | 19.0 | 16.0 | 13.0 | 10.0 | 17 | 24.0 |
| 26 | 12.0 | 15.0 | 19.0 | 18.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 9.0 | 6.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 8.0 | 8.0 | 7.0 | 6.0 | 4.0 | 24 | 19.0 |
| 27 | 4.0 | 5.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 24 | 5.0 |
| 28 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 8.0 | 9.0 | 8.0 | 9.0 | 11.0 | 5.0 | 3.0 | 4.0 | 6.0 | 7.0 | 8.0 | 9.0 | 8.0 | 8.0 | 8.0 | 21.0 | 26.0 | 20.0 | 24.0 | 24 | 26.0 |
| 29 | 25.0 | 22.0 | 19.0 | 16.0 | 16.0 | 17.0 | 20.0 | 27.0 | 18.0 | 8.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.0 | 6.0 | 7.0 | 6.0 | 8.0 | 20.0 | 20.0 | 13.0 | 7.0 | 5.0 | 24 | 27.0 |
| 30 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 11.0 | 9.0 | 11.0 | 6.0 | 4.0 | 4.0 | 4.0 | 8.0 | 10.0 | 10.0 | 10.0 | 8.0 | 8.0 | 12.0 | 11.0 | 9.0 | 7.0 | 8.0 | 7.0 | 24 | 12.0 |
| 31 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 8.0 | 9.0 | 11.0 | 10.0 | 8.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 5.0 | 6.0 | 8.0 | 10.0 | 14.0 | 15.0 | 11.0 | 12.0 | 18.0 | 24 | 18.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 28 | 27 | 28 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 36.0 | 34.0 | 32.0 | 32.0 | 32.0 | 34.0 | 37.0 | 37.0 | 36.0 | 19.0 | 16.0 | 12.0 | 13.0 | 18.0 | 15.0 | 13.0 | 10.0 | 15.0 | 16.0 | 31.0 | 51.0 | 50.0 | 38.0 | 38.0 | | |
| AVG: | 9.74 | 10.29 | 10.13 | 10.16 | 9.68 | 11.71 | 15.29 | 15.45 | 11.28 | 7.32 | 5.44 | 4.86 | 4.72 | 4.83 | 5.03 | 4.83 | 4.97 | 6.06 | 8.29 | 12.32 | 14.81 | 13.35 | 11.65 | 10.39 | | |

MONTHLY OBSERVATIONS: 723 MONTHLY MEAN: 9.34 MONTHLY MAX: 51.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: APRIL 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.0 | 10.0 | 9.0 | 8.0 | 12.0 | 21.0 | 29.0 | 20.0 | 16.0 | 10.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 8.0 | 16.0 | 27.0 | 38.0 | 38.0 | 27.0 | 24 | 38.0 |
| 2 | 9.0 | 7.0 | 7.0 | 12.0 | 17.0 | 17.0 | 18.0 | 16.0 | 9.0 | 10.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 6.0 | 7.0 | 11.0 | 17.0 | 33.0 | 24 | 33.0 |
| 3 | 33.0 | 32.0 | 31.0 | 29.0 | 29.0 | 27.0 | 24.0 | 18.0 | 14.0 | 8.0 | 6.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 24 | 33.0 |
| 4 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 6.0 | 10.0 | 9.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 24 | 10.0 |
| 5 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 6.0 | BF | BF | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 8.0 | 7.0 | 8.0 | 10.0 | 22 | 10.0 |
| 6 | 13.0 | 17.0 | 17.0 | 20.0 | 28.0 | 29.0 | 31.0 | 28.0 | 22.0 | 10.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 7.0 | 9.0 | 6.0 | 24 | 31.0 |
| 7 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 8.0 | 14.0 | 18.0 | 12.0 | 14.0 | 15.0 | 11.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 5.0 | 11.0 | 21.0 | 18.0 | 20.0 | 10.0 | 24 | 21.0 |
| 8 | 10.0 | 11.0 | 9.0 | 8.0 | 10.0 | 19.0 | 21.0 | 15.0 | 11.0 | 10.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 6.0 | 24 | 21.0 |
| 9 | 13.0 | 16.0 | 8.0 | 4.0 | 4.0 | 7.0 | 6.0 | 4.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 6.0 | 7.0 | 6.0 | 5.0 | 5.0 | 24 | 16.0 |
| 10 | 4.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 4.0 | 3.0 | 3.0 | 24 | 6.0 |
| 11 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 24 | 6.0 |
| 12 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 9.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 24 | 9.0 |
| 13 | 4.0 | 8.0 | 6.0 | 11.0 | 15.0 | 21.0 | 29.0 | 22.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 14.0 | 16.0 | 14.0 | 18.0 | 30.0 | 24 | 30.0 |
| 14 | 23.0 | 15.0 | 12.0 | 9.0 | 8.0 | 21.0 | 32.0 | 14.0 | 7.0 | 4.0 | 3.0 | BF | BF | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 10.0 | 20.0 | 17.0 | 13.0 | 11.0 | 9.0 | 22 | 32.0 |
| 15 | 8.0 | 10.0 | 11.0 | 8.0 | 12.0 | 17.0 | 13.0 | 11.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 17.0 |
| 16 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 7.0 | 4.0 | 24 | 7.0 |
| 17 | 7.0 | 13.0 | 11.0 | 4.0 | 4.0 | 6.0 | 6.0 | 5.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 8.0 | 13.0 | 12.0 | 9.0 | 9.0 | 24 | 13.0 |
| 18 | 9.0 | 7.0 | 6.0 | 6.0 | 7.0 | 12.0 | 16.0 | 15.0 | 15.0 | 8.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 9.0 | 11.0 | 11.0 | 7.0 | 5.0 | 24 | 16.0 |
| 19 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 8.0 | 11.0 | 9.0 | 11.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 5.0 | 6.0 | 5.0 | 24 | 11.0 |
| 20 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 6.0 | 5.0 | 6.0 | AV | 7.0 | 4.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 | 7.0 | 9.0 | 10.0 | 11.0 | 9.0 | 9.0 | 23 | 11.0 |
| 21 | 9.0 | 7.0 | 7.0 | 9.0 | 12.0 | 22.0 | 28.0 | 24.0 | 14.0 | 10.0 | 7.0 | 6.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 3.0 | 24 | 28.0 |
| 22 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 8.0 | 11.0 | 7.0 | 6.0 | 6.0 | 9.0 | 8.0 | 9.0 | 8.0 | 7.0 | 7.0 | 6.0 | 8.0 | 7.0 | 7.0 | 24 | 11.0 |
| 23 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 8.0 | 8.0 | 6.0 | 5.0 | 24 | 8.0 |
| 24 | 7.0 | 6.0 | 5.0 | 6.0 | 9.0 | 8.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 5.0 | 10.0 | 11.0 | 10.0 | 24 | 11.0 |
| 25 | 8.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 8.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 4.0 | 5.0 | 3.0 | 2.0 | 2.0 | 24 | 8.0 |
| 26 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 3.0 | 3.0 | BF | BF | BF | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 4.0 | 2.0 | 2.0 | 21 | 5.0 |
| 27 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 4.0 |
| 28 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 4.0 | 6.0 | 5.0 | 24 | 7.0 |
| 29 | 7.0 | 7.0 | 11.0 | 13.0 | 9.0 | 12.0 | 19.0 | 21.0 | 15.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 8.0 | 14.0 | 19.0 | 19.0 | 29.0 | 39.0 | 24 | 39.0 |
| 30 | 35.0 | 28.0 | 27.0 | 23.0 | 18.0 | 22.0 | 15.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 6.0 | 15.0 | 22.0 | 23.0 | 25.0 | 28.0 | 24 | 35.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 35.0 | 32.0 | 31.0 | 29.0 | 29.0 | 29.0 | 32.0 | 28.0 | 22.0 | 14.0 | 15.0 | 11.0 | 6.0 | 6.0 | 9.0 | 8.0 | 9.0 | 8.0 | 10.0 | 20.0 | 27.0 | 38.0 | 38.0 | 39.0 | | |
| AVG: | 8.53 | 8.17 | 7.57 | 7.20 | 8.03 | 10.80 | 12.80 | 10.70 | 7.93 | 5.96 | 4.50 | 3.86 | 3.10 | 3.10 | 2.97 | 2.90 | 3.20 | 3.40 | 4.57 | 7.27 | 9.03 | 9.13 | 9.43 | 9.70 | | |

MONTHLY OBSERVATIONS: 712 MONTHLY MEAN: 6.85 MONTHLY MAX: 39.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

CAS NUMBER: 10102-44-0

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: MAY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.0 | 12.0 | 5.0 | 8.0 | 7.0 | 9.0 | 9.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 10.0 | 18.0 | 13.0 | 3.0 | 24 | 20.0 |
| 2 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 17.0 | 7.0 | 5.0 | 5.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 13.0 | 15.0 | 8.0 | 3.0 | 24 | 17.0 |
| 3 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 6.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 5.0 | 24 | 7.0 |
| 4 | 3.0 | 3.0 | 2.0 | 3.0 | 4.0 | 7.0 | 10.0 | 9.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 8.0 | 4.0 | 6.0 | 5.0 | 24 | 10.0 |
| 5 | 7.0 | 6.0 | 4.0 | 4.0 | 7.0 | 15.0 | 11.0 | 6.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 10.0 | 18.0 | 16.0 | 15.0 | 17.0 | 24 | 18.0 |
| 6 | 17.0 | 14.0 | 14.0 | 9.0 | 8.0 | 10.0 | 14.0 | 10.0 | BF | BF | BC | BC | BC | BC | 4.0 | 5.0 | 4.0 | 5.0 | 7.0 | 10.0 | 18.0 | 27.0 | 14.0 | 15.0 | 18 | 27.0 |
| 7 | 11.0 | 11.0 | 9.0 | 8.0 | 9.0 | 12.0 | 13.0 | 19.0 | 16.0 | 11.0 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 5.0 | 12.0 | 30.0 | 16.0 | 8.0 | 8.0 | 24 | 30.0 |
| 8 | 9.0 | 7.0 | 8.0 | 10.0 | 7.0 | 8.0 | 9.0 | 7.0 | 5.0 | 5.0 | 9.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 9.0 | 12.0 | 5.0 | 4.0 | 3.0 | 24 | 12.0 |
| 9 | 3.0 | 3.0 | 5.0 | 6.0 | 11.0 | 17.0 | 23.0 | 15.0 | 8.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 10.0 | 10.0 | 6.0 | 4.0 | 24 | 23.0 |
| 10 | 5.0 | 6.0 | 6.0 | 7.0 | 5.0 | 7.0 | 17.0 | 16.0 | 16.0 | 24.0 | 16.0 | 10.0 | 7.0 | 7.0 | 6.0 | 5.0 | 7.0 | 14.0 | 14.0 | 16.0 | 11.0 | 6.0 | 4.0 | 3.0 | 24 | 24.0 |
| 11 | 3.0 | 3.0 | 8.0 | 5.0 | 6.0 | 8.0 | 8.0 | 10.0 | 9.0 | 9.0 | 11.0 | 9.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 4.0 | 4.0 | 5.0 | 24 | 11.0 |
| 12 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 5.0 | 9.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 24 | 9.0 |
| 13 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 6.0 | 5.0 | 7.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 13.0 | 7.0 | 6.0 | 5.0 | 24 | 13.0 |
| 14 | 5.0 | 8.0 | 9.0 | 15.0 | 14.0 | 14.0 | 15.0 | 14.0 | 16.0 | 10.0 | 7.0 | 9.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 6.0 | 5.0 | 6.0 | 6.0 | 6.0 | 24 | 16.0 |
| 15 | 5.0 | 4.0 | 8.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 6.0 | 13.0 | 13.0 | 6.0 | 10.0 | 4.0 | 5.0 | 24 | 13.0 |
| 16 | 4.0 | 6.0 | 4.0 | 6.0 | 9.0 | 11.0 | 10.0 | 10.0 | 9.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 6.0 | 7.0 | 9.0 | 6.0 | 5.0 | 4.0 | 24 | 11.0 |
| 17 | 4.0 | 5.0 | 7.0 | 6.0 | 6.0 | 9.0 | 12.0 | BF | BF | BF | 10.0 | 10.0 | 10.0 | 11.0 | 11.0 | 10.0 | 6.0 | 5.0 | 5.0 | 6.0 | 8.0 | 11.0 | 13.0 | 13.0 | 21 | 13.0 |
| 18 | 12.0 | 10.0 | 8.0 | 7.0 | 7.0 | 6.0 | 7.0 | 13.0 | 6.0 | 6.0 | 6.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 | 8.0 | 7.0 | 11.0 | 19.0 | 21.0 | 16.0 | 24 | 21.0 |
| 19 | 15.0 | 15.0 | 14.0 | 18.0 | 17.0 | 13.0 | 12.0 | 10.0 | 18.0 | 16.0 | 9.0 | 5.0 | 6.0 | 7.0 | AC | AC | AC | 5.0 | 6.0 | 8.0 | 21.0 | 26.0 | 30.0 | 29.0 | 21 | 30.0 |
| 20 | 25.0 | 21.0 | 20.0 | 24.0 | 25.0 | 25.0 | 25.0 | 24.0 | 14.0 | 10.0 | 7.0 | 9.0 | 5.0 | 5.0 | 6.0 | 7.0 | 8.0 | 8.0 | 5.0 | 7.0 | 16.0 | 26.0 | 35.0 | 31.0 | 24 | 35.0 |
| 21 | 31.0 | 30.0 | 26.0 | 22.0 | 21.0 | 17.0 | 15.0 | 16.0 | 9.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 16.0 | 12.0 | 26.0 | 22.0 | 11.0 | 24 | 31.0 |
| 22 | 7.0 | 4.0 | 4.0 | 5.0 | 7.0 | 6.0 | 7.0 | 6.0 | 5.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 6.0 | 9.0 | 19.0 | 9.0 | 5.0 | 24 | 19.0 |
| 23 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 10.0 | 13.0 | 8.0 | 8.0 | 9.0 | 6.0 | 4.0 | 7.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 9.0 | 9.0 | 12.0 | 13.0 | 13.0 | 9.0 | 24 | 13.0 |
| 24 | 8.0 | 7.0 | 6.0 | 6.0 | 7.0 | 13.0 | 21.0 | AZ | AZ | AZ | AZ | AZ | AZ | AZ | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 6.0 | 7.0 | 7.0 | 10.0 | 17.0 | 17 | 21.0 |
| 25 | 15.0 | 13.0 | 12.0 | 12.0 | 15.0 | 19.0 | 20.0 | 22.0 | 33.0 | 24.0 | 15.0 | 7.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 11.0 | 15.0 | 6.0 | 4.0 | 24 | 33.0 |
| 26 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 8.0 | 8.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 9.0 | 24 | 9.0 |
| 27 | 4.0 | 2.0 | 3.0 | 3.0 | 3.0 | 6.0 | 13.0 | 10.0 | BF | BF | BF | BF | 7.0 | 7.0 | 5.0 | 4.0 | 6.0 | 5.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 20 | 13.0 |
| 28 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 8.0 | 7.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 15.0 | 28.0 | 27.0 | 7.0 | 24 | 28.0 |
| 29 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 7.0 | 9.0 | 10.0 | 9.0 | 10.0 | 24 | 10.0 |
| 30 | 9.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 7.0 | 8.0 | 9.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 8.0 | 11.0 | 10.0 | 10.0 | 12.0 | 24 | 12.0 |
| 31 | 11.0 | 14.0 | 20.0 | 16.0 | 12.0 | 10.0 | 12.0 | 24.0 | AC | AC | AC | AC | AC | AC | AC | 4.0 | 3.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 10.0 | 13.0 | 17 | 24.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 26 | 26 | 27 | 27 | 28 | 28 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 31.0 | 30.0 | 26.0 | 24.0 | 25.0 | 25.0 | 25.0 | 24.0 | 33.0 | 24.0 | 16.0 | 10.0 | 10.0 | 11.0 | 11.0 | 10.0 | 8.0 | 14.0 | 14.0 | 16.0 | 30.0 | 28.0 | 35.0 | 31.0 | | |
| AVG: | 8.45 | 7.55 | 7.42 | 7.58 | 7.84 | 9.42 | 11.55 | 10.59 | 9.23 | 7.73 | 6.22 | 5.30 | 4.64 | 4.25 | 3.83 | 3.73 | 3.73 | 4.52 | 5.65 | 7.61 | 10.84 | 12.55 | 10.94 | 9.19 | | |

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 7.56 MONTHLY MAX: 35.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JUNE 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20.0 | 24.0 | 16.0 | 12.0 | 13.0 | 19.0 | 21.0 | 21.0 | 22.0 | 16.0 | 7.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 8.0 | 16.0 | 12.0 | 10.0 | 10.0 | 12.0 | 24 | 24.0 |
| 2 | 13.0 | 9.0 | 7.0 | 8.0 | 8.0 | 9.0 | 11.0 | 8.0 | 7.0 | 5.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 9.0 | 17.0 | 19.0 | 16.0 | 24.0 | 29.0 | 24 | 29.0 |
| 3 | 28.0 | 16.0 | 15.0 | 12.0 | 14.0 | 16.0 | 20.0 | 15.0 | BF | BF | BF | BF | BF | 4.0 | 5.0 | 4.0 | 4.0 | 5.0 | 6.0 | 11.0 | 17.0 | 25.0 | 23.0 | 22.0 | 19 | 28.0 |
| 4 | 16.0 | 16.0 | 11.0 | 7.0 | 8.0 | 10.0 | 10.0 | 8.0 | 8.0 | 7.0 | 5.0 | 5.0 | 6.0 | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 9.0 | 16.0 | 22.0 | 24.0 | 22.0 | 24 | 24.0 |
| 5 | 17.0 | 19.0 | 21.0 | 20.0 | 17.0 | 10.0 | 9.0 | 9.0 | 10.0 | 7.0 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 7.0 | 14.0 | 15.0 | 14.0 | 9.0 | 16.0 | 24 | 21.0 |
| 6 | 11.0 | 10.0 | 9.0 | 9.0 | 10.0 | 19.0 | 22.0 | 15.0 | 8.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 10.0 | 14.0 | 33.0 | 22.0 | 18.0 | 24 | 33.0 |
| 7 | 17.0 | 23.0 | 22.0 | 24.0 | 17.0 | 17.0 | 16.0 | 16.0 | BF | BF | BF | 5.0 | 8.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 6.0 | 7.0 | 13.0 | 15.0 | 13.0 | 12.0 | 21 | 24.0 |
| 8 | 8.0 | 6.0 | 5.0 | 4.0 | 5.0 | 10.0 | 10.0 | 10.0 | 14.0 | 13.0 | 10.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 6.0 | 9.0 | 10.0 | 12.0 | 16.0 | 15.0 | 17.0 | 20.0 | 24 | 20.0 |
| 9 | 21.0 | 21.0 | 12.0 | 6.0 | 6.0 | 8.0 | 11.0 | 12.0 | 18.0 | 14.0 | 14.0 | 10.0 | 6.0 | 4.0 | 4.0 | 7.0 | 12.0 | 15.0 | 11.0 | 24.0 | 31.0 | 35.0 | 30.0 | 25.0 | 24 | 35.0 |
| 10 | 24.0 | 20.0 | 25.0 | 25.0 | 20.0 | 19.0 | 15.0 | 17.0 | 20.0 | 22.0 | 9.0 | 7.0 | 6.0 | 6.0 | 7.0 | 8.0 | 8.0 | 7.0 | 11.0 | 20.0 | 8.0 | 12.0 | 12.0 | 9.0 | 24 | 25.0 |
| 11 | 8.0 | 7.0 | 9.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 6.0 | 6.0 | 4.0 | 5.0 | 11.0 | 5.0 | 6.0 | 5.0 | 5.0 | 24 | 11.0 |
| 12 | 4.0 | 5.0 | AV | AV | AV | AV | 6.0 | 5.0 | 6.0 | 6.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 | 14.0 | 12.0 | 20 | 14.0 |
| 13 | 12.0 | 9.0 | 7.0 | 9.0 | 11.0 | 13.0 | 17.0 | 14.0 | 7.0 | 4.0 | 3.0 | 4.0 | 4.0 | BA | BA | 4.0 | 5.0 | 4.0 | 5.0 | 8.0 | 11.0 | 12.0 | 18.0 | 8.0 | 22 | 18.0 |
| 14 | 5.0 | 6.0 | 6.0 | 7.0 | 6.0 | 11.0 | 8.0 | 6.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 7.0 | 10.0 | 17.0 | 29.0 | 32.0 | 17.0 | 10.0 | 24 | 32.0 |
| 15 | 8.0 | 9.0 | 11.0 | 13.0 | 11.0 | 12.0 | 13.0 | 11.0 | 8.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 7.0 | 6.0 | 7.0 | 9.0 | 13.0 | 11.0 | 9.0 | 7.0 | 9.0 | 24 | 13.0 |
| 16 | 12.0 | 11.0 | 12.0 | 11.0 | 10.0 | 9.0 | 11.0 | 9.0 | 7.0 | 9.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 6.0 | 5.0 | 5.0 | 7.0 | 12.0 | 14.0 | 17.0 | 23.0 | 24 | 23.0 |
| 17 | 23.0 | 25.0 | 24.0 | 23.0 | 23.0 | 26.0 | 29.0 | 34.0 | 28.0 | 25.0 | 19.0 | 10.0 | BF | BF | BF | BF | 5.0 | 8.0 | 10.0 | 12.0 | 12.0 | 14.0 | 15.0 | 13.0 | 20 | 34.0 |
| 18 | 8.0 | 8.0 | 11.0 | 13.0 | 13.0 | 11.0 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 6.0 | 5.0 | 3.0 | 3.0 | 7.0 | 9.0 | 9.0 | 13.0 | 12.0 | 12.0 | 12.0 | 12.0 | 24 | 13.0 |
| 19 | 12.0 | 9.0 | 13.0 | 7.0 | 4.0 | 4.0 | 4.0 | 3.0 | 9.0 | 7.0 | 4.0 | 3.0 | 4.0 | 5.0 | 3.0 | 3.0 | 4.0 | 6.0 | 8.0 | 8.0 | 12.0 | 18.0 | 21.0 | 20.0 | 24 | 21.0 |
| 20 | 13.0 | 6.0 | 13.0 | 13.0 | 16.0 | 9.0 | 13.0 | 18.0 | 13.0 | 11.0 | 8.0 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 6.0 | 17.0 | 21.0 | 18.0 | 13.0 | 24 | 21.0 |
| 21 | 11.0 | 8.0 | 6.0 | 6.0 | 9.0 | 17.0 | 11.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 5.0 | 8.0 | 13.0 | 9.0 | 4.0 | 6.0 | 24 | 17.0 |
| 22 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 8.0 | 13.0 | 12.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 10.0 | 4.0 | 24 | 13.0 |
| 23 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 8.0 | 8.0 | 6.0 | 6.0 | 5.0 | 4.0 | 24 | 8.0 |
| 24 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 5.0 | 4.0 | 11.0 | 9.0 | 12.0 | 8.0 | 5.0 | 4.0 | 24 | 12.0 |
| 25 | 4.0 | 4.0 | 4.0 | 9.0 | 11.0 | 11.0 | 9.0 | 8.0 | 9.0 | 10.0 | 7.0 | 4.0 | 5.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 8.0 | 13.0 | 19.0 | 25.0 | 28.0 | 24 | 28.0 |
| 26 | 31.0 | 26.0 | 30.0 | 13.0 | 9.0 | 5.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 | 8.0 | 9.0 | 13.0 | 19.0 | 14.0 | 17.0 | 24 | 31.0 |
| 27 | 19.0 | 21.0 | 16.0 | 9.0 | 15.0 | 19.0 | 19.0 | 22.0 | 21.0 | 14.0 | 10.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 6.0 | 9.0 | 15.0 | 16.0 | 21.0 | 22.0 | 24 | 22.0 |
| 28 | 18.0 | 19.0 | 20.0 | 20.0 | 15.0 | 11.0 | 10.0 | 9.0 | 9.0 | 10.0 | 7.0 | 5.0 | BF | BF | BF | 3.0 | 3.0 | 3.0 | 4.0 | 8.0 | 9.0 | 8.0 | 6.0 | 5.0 | 21 | 20.0 |
| 29 | 4.0 | 2.0 | 3.0 | 2.0 | 3.0 | 6.0 | 14.0 | 13.0 | 11.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 7.0 | 13.0 | 14.0 | 15.0 | 27.0 | 24 | 27.0 |
| 30 | 27.0 | 11.0 | 5.0 | 5.0 | 7.0 | 11.0 | 14.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 9.0 | 18.0 | 26.0 | 20.0 | 26.0 | 24 | 27.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 28 | 28 | 28 | 29 | 27 | 27 | 27 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 31.0 | 26.0 | 30.0 | 25.0 | 23.0 | 26.0 | 29.0 | 34.0 | 28.0 | 25.0 | 19.0 | 10.0 | 8.0 | 7.0 | 7.0 | 8.0 | 12.0 | 15.0 | 11.0 | 24.0 | 31.0 | 35.0 | 30.0 | 29.0 | | |
| AVG: | 13.50 | 11.97 | 11.79 | 10.41 | 10.31 | 11.48 | 12.13 | 11.33 | 10.21 | 8.57 | 6.32 | 4.93 | 4.48 | 4.04 | 3.85 | 4.14 | 4.97 | 5.53 | 6.97 | 10.67 | 13.50 | 15.77 | 15.10 | 15.10 | | |

MONTHLY OBSERVATIONS: 699 MONTHLY MEAN: 9.55 MONTHLY MAX: 35.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: JULY 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29.0 | 27.0 | 25.0 | 24.0 | 27.0 | 27.0 | 33.0 | 22.0 | 14.0 | 7.0 | 4.0 | 5.0 | 7.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 11.0 | 18.0 | 22.0 | 25.0 | 28.0 | 24 | 33.0 |
| 2 | 36.0 | 20.0 | 23.0 | 25.0 | 24.0 | 20.0 | 19.0 | 16.0 | 8.0 | 6.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | 10.0 | 12.0 | 18.0 | 15.0 | 18.0 | 12.0 | 24 | 36.0 |
| 3 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 8.0 | 6.0 | 24 | 8.0 |
| 4 | 7.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 8.0 | 7.0 | 10.0 | 10.0 | 9.0 | 8.0 | 24 | 10.0 |
| 5 | 9.0 | 8.0 | 8.0 | 9.0 | 12.0 | 14.0 | 16.0 | 16.0 | 18.0 | 16.0 | 13.0 | 11.0 | 10.0 | 9.0 | 7.0 | 6.0 | 5.0 | 5.0 | 6.0 | 14.0 | 18.0 | 10.0 | 6.0 | 3.0 | 24 | 18.0 |
| 6 | 4.0 | 6.0 | 5.0 | 6.0 | 5.0 | 6.0 | 8.0 | 6.0 | 5.0 | 5.0 | 6.0 | 7.0 | 8.0 | 6.0 | 5.0 | 7.0 | 6.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 24 | 8.0 |
| 7 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 7.0 | 10.0 | 17.0 | 16.0 | 16.0 | 12.0 | BF | BF | BF | 4.0 | 4.0 | 7.0 | 8.0 | 8.0 | 7.0 | 5.0 | 7.0 | 7.0 | 21 | 17.0 |
| 8 | 6.0 | 8.0 | 7.0 | 6.0 | 5.0 | 6.0 | 6.0 | 8.0 | 5.0 | 6.0 | 3.0 | 3.0 | 2.0 | 2.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.0 | 24 | 8.0 |
| 9 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 11.0 | 6.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 7.0 | 8.0 | 8.0 | 24 | 11.0 |
| 10 | 9.0 | 8.0 | 7.0 | 7.0 | 5.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 4.0 | 8.0 | 6.0 | 4.0 | 24 | 9.0 |
| 11 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 6.0 | 8.0 | 7.0 | 4.0 | 3.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 8.0 | 14.0 | 17.0 | 8.0 | 24 | 17.0 |
| 12 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 7.0 | 10.0 | 10.0 | 9.0 | 10.0 | 16.0 | 12.0 | 11.0 | 5.0 | 7.0 | 4.0 | 7.0 | 16.0 | 14.0 | 10.0 | 14.0 | 24.0 | 21.0 | 23.0 | 24 | 24.0 |
| 13 | 21.0 | 15.0 | 19.0 | 18.0 | 15.0 | 21.0 | 27.0 | 20.0 | 10.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 10.0 | 20.0 | 21.0 | 24.0 | 24 | 27.0 |
| 14 | 16.0 | 17.0 | 17.0 | 14.0 | 9.0 | 8.0 | 8.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | 24 | 17.0 |
| 15 | 2.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | BF | BF | BF | BF | 9.0 | 10.0 | 9.0 | 13.0 | 14.0 | 12.0 | 12.0 | 14.0 | 26.0 | 21.0 | 11.0 | 10.0 | 11.0 | 20 | 26.0 |
| 16 | 8.0 | 10.0 | 9.0 | 10.0 | 11.0 | 14.0 | 10.0 | 9.0 | 6.0 | 9.0 | 10.0 | 6.0 | 3.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 | 24 | 14.0 |
| 17 | 6.0 | 6.0 | 5.0 | 7.0 | 6.0 | 6.0 | 5.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 10.0 | 13.0 | 17.0 | 24.0 | 20.0 | 24 | 24.0 |
| 18 | 15.0 | 9.0 | 7.0 | 6.0 | 5.0 | 6.0 | 10.0 | 9.0 | 10.0 | 9.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 8.0 | 11.0 | 14.0 | 17.0 | 25.0 | 24 | 25.0 |
| 19 | 18.0 | 15.0 | 14.0 | 11.0 | 11.0 | 11.0 | 19.0 | 24.0 | 22.0 | 11.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 5.0 | 3.0 | 4.0 | 7.0 | 17.0 | 8.0 | 8.0 | 10.0 | 24 | 24.0 |
| 20 | 11.0 | 14.0 | 13.0 | 13.0 | 16.0 | 18.0 | 20.0 | 22.0 | 15.0 | 10.0 | 5.0 | 5.0 | 7.0 | 6.0 | 5.0 | BA | 4.0 | 4.0 | 5.0 | 11.0 | 17.0 | 23.0 | 25.0 | 28.0 | 23 | 28.0 |
| 21 | 23.0 | 24.0 | 33.0 | 18.0 | 17.0 | 25.0 | 23.0 | 22.0 | 22.0 | 18.0 | 8.0 | 8.0 | 3.0 | 4.0 | 7.0 | 6.0 | 5.0 | 14.0 | 14.0 | 18.0 | 22.0 | 24.0 | 23.0 | 24.0 | 24 | 33.0 |
| 22 | 24.0 | 21.0 | 15.0 | 13.0 | 11.0 | 13.0 | 13.0 | 13.0 | 11.0 | 4.0 | BA | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 13.0 | 15.0 | 19.0 | 26.0 | 25.0 | 23 | 26.0 |
| 23 | 16.0 | 5.0 | 3.0 | 4.0 | 5.0 | 8.0 | 8.0 | 9.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 3.0 | 4.0 | 5.0 | 5.0 | 6.0 | 10.0 | 12.0 | 10.0 | 9.0 | 10.0 | 24 | 16.0 |
| 24 | 11.0 | 13.0 | 11.0 | 7.0 | 5.0 | 5.0 | 8.0 | 18.0 | 15.0 | 11.0 | 10.0 | 6.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 11.0 | 6.0 | 3.0 | 4.0 | 2.0 | 2.0 | 24 | 18.0 |
| 25 | 2.0 | 3.0 | 4.0 | 6.0 | 7.0 | 9.0 | 13.0 | 17.0 | 17.0 | 11.0 | 15.0 | 6.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 12.0 | 9.0 | 5.0 | 5.0 | 5.0 | 7.0 | 11.0 | 24 | 17.0 |
| 26 | 21.0 | 12.0 | 12.0 | 11.0 | 14.0 | 15.0 | 16.0 | 15.0 | 13.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 7.0 | 7.0 | 8.0 | 24 | 21.0 |
| 27 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 | 12.0 | 23.0 | 19.0 | 9.0 | AC | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 | 10.0 | 15.0 | 10.0 | 7.0 | 23 | 23.0 |
| 28 | 6.0 | 5.0 | 6.0 | 6.0 | 10.0 | 9.0 | 10.0 | 12.0 | 15.0 | 20.0 | 14.0 | BF | BF | BF | BF | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 9.0 | 11.0 | 11.0 | 9.0 | 20 | 20.0 |
| 29 | 9.0 | 9.0 | 9.0 | 8.0 | 9.0 | 12.0 | 17.0 | 20.0 | 19.0 | 10.0 | 7.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 10.0 | 17.0 | 21.0 | 28.0 | 24 | 28.0 |
| 30 | 23.0 | 23.0 | 25.0 | 31.0 | 27.0 | 26.0 | 24.0 | 12.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 10.0 | 25.0 | 19.0 | 10.0 | 4.0 | 24 | 31.0 |
| 31 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 5.0 | 4.0 | 4.0 | 5.0 | 8.0 | 8.0 | 8.0 | 24 | 8.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 29 | 30 | 29 | 29 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 36.0 | 27.0 | 33.0 | 31.0 | 27.0 | 27.0 | 33.0 | 24.0 | 22.0 | 20.0 | 16.0 | 12.0 | 11.0 | 9.0 | 13.0 | 14.0 | 12.0 | 16.0 | 14.0 | 26.0 | 25.0 | 24.0 | 26.0 | 28.0 | | |
| AVG: | 11.97 | 10.42 | 10.32 | 9.74 | 9.65 | 10.74 | 12.52 | 12.53 | 10.33 | 7.83 | 6.45 | 4.97 | 4.38 | 3.86 | 4.14 | 4.13 | 4.23 | 5.29 | 6.19 | 8.29 | 10.77 | 11.97 | 12.32 | 12.19 | | |

MONTHLY OBSERVATIONS: 730 MONTHLY MEAN: 8.60 MONTHLY MAX: 36.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: AUGUST 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 7.0 | 9.0 | 8.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 3.0 | 4.0 | 4.0 | 6.0 | 9.0 | 14.0 | 17.0 | 20.0 | 17.0 | 24 | 20.0 |
| 2 | 16.0 | 21.0 | 18.0 | 17.0 | 18.0 | 22.0 | 27.0 | 30.0 | 13.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 9.0 | 19.0 | 31.0 | 27.0 | 30.0 | 39.0 | 24 | 39.0 |
| 3 | 38.0 | 33.0 | 30.0 | 34.0 | 39.0 | 27.0 | 27.0 | BF | BF | BC | BC | BC | BC | BC | 7.0 | 7.0 | 8.0 | 7.0 | 14.0 | 14.0 | 17.0 | 15.0 | 18.0 | 21.0 | 17 | 39.0 |
| 4 | 17.0 | 16.0 | 16.0 | 18.0 | 25.0 | 26.0 | 22.0 | 12.0 | 8.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 7.0 | 7.0 | 12.0 | 19.0 | 19.0 | 24 | 26.0 |
| 5 | 12.0 | 6.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | 6.0 | 9.0 | 12.0 | 13.0 | 18.0 | 23.0 | 16.0 | 13.0 | 13.0 | 24 | 23.0 |
| 6 | 12.0 | 10.0 | 9.0 | 5.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 6.0 | 9.0 | 12.0 | 11.0 | 8.0 | 6.0 | 24 | 12.0 |
| 7 | 4.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 2.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 6.0 | 21.0 | 18.0 | 11.0 | 11.0 | 24 | 21.0 |
| 8 | 10.0 | 9.0 | 8.0 | 8.0 | 12.0 | 19.0 | 23.0 | 17.0 | 9.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 4.0 | 3.0 | 4.0 | 5.0 | 8.0 | 3.0 | 4.0 | 5.0 | 6.0 | 6.0 | 24 | 23.0 |
| 9 | 8.0 | 7.0 | 4.0 | 8.0 | 8.0 | 13.0 | 13.0 | 11.0 | 13.0 | BF | BF | BF | BF | 4.0 | 6.0 | 7.0 | 6.0 | 7.0 | 7.0 | 9.0 | 16.0 | 10.0 | 11.0 | 11.0 | 20 | 16.0 |
| 10 | 8.0 | 14.0 | 14.0 | 16.0 | 15.0 | 17.0 | 16.0 | 15.0 | 7.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 7.0 | 8.0 | 11.0 | 12.0 | 11.0 | 12.0 | 10.0 | 24 | 17.0 |
| 11 | 11.0 | 17.0 | 17.0 | 16.0 | 23.0 | 25.0 | 22.0 | 21.0 | 8.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 8.0 | 8.0 | 14.0 | 21.0 | 19.0 | 17.0 | 15.0 | 24 | 25.0 |
| 12 | 14.0 | 18.0 | 22.0 | 14.0 | 15.0 | 12.0 | 13.0 | 13.0 | 14.0 | 11.0 | 12.0 | 9.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 5.0 | 4.0 | 24 | 22.0 |
| 13 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 4.0 | 4.0 | 6.0 | 9.0 | 10.0 | 24 | 10.0 |
| 14 | 7.0 | 7.0 | 10.0 | 9.0 | 7.0 | 4.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 9.0 | 24 | 10.0 |
| 15 | 13.0 | 10.0 | 10.0 | 10.0 | 13.0 | 14.0 | 17.0 | 16.0 | 9.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 4.0 | 6.0 | 10.0 | 11.0 | 12.0 | 14.0 | 14.0 | 24 | 17.0 |
| 16 | 9.0 | 10.0 | 9.0 | 13.0 | 12.0 | 16.0 | 21.0 | 21.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 9.0 | 16.0 | 22.0 | 20.0 | 17.0 | 13.0 | 24 | 22.0 |
| 17 | 18.0 | 16.0 | 13.0 | 10.0 | 12.0 | 24.0 | 24.0 | 20.0 | 17.0 | 7.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 6.0 | 9.0 | 12.0 | 22.0 | 23.0 | 27.0 | 24 | 27.0 |
| 18 | 23.0 | 12.0 | 8.0 | 7.0 | 8.0 | 10.0 | 13.0 | 18.0 | 16.0 | 12.0 | 5.0 | BF | BF | BF | 4.0 | 4.0 | 5.0 | 7.0 | 11.0 | 14.0 | 15.0 | 10.0 | 13.0 | 13.0 | 21 | 23.0 |
| 19 | 9.0 | 10.0 | 10.0 | 16.0 | 16.0 | 14.0 | 13.0 | AZ | AZ | AZ | AZ | AZ | AZ | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 9.0 | 16.0 | 21.0 | 25.0 | 32.0 | 27.0 | 18 | 32.0 |
| 20 | 25.0 | 22.0 | 21.0 | 22.0 | 24.0 | 18.0 | 16.0 | 18.0 | 18.0 | 8.0 | 6.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 10.0 | 4.0 | 3.0 | 4.0 | 7.0 | 24 | 25.0 |
| 21 | 15.0 | 5.0 | 4.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 4.0 | 4.0 | 2.0 | 2.0 | 3.0 | 9.0 | 6.0 | 8.0 | 8.0 | 6.0 | 3.0 | 24 | 15.0 |
| 22 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 8.0 | 15.0 | 14.0 | 8.0 | 6.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 17.0 | 17.0 | 11.0 | 6.0 | 5.0 | 24 | 17.0 |
| 23 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 12.0 | 10.0 | 6.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 8.0 | 12.0 | 21.0 | 21.0 | 17.0 | 23.0 | 24 | 23.0 |
| 24 | 15.0 | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 22.0 | 17.0 | 10.0 | 5.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 7.0 | 4.0 | 10.0 | 14.0 | 32.0 | 31.0 | 21.0 | 5.0 | 24 | 32.0 |
| 25 | 4.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 9.0 | 9.0 | 7.0 | 7.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 10.0 | 19.0 | 19.0 | 9.0 | 6.0 | 24 | 19.0 |
| 26 | 3.0 | 4.0 | 8.0 | 10.0 | 8.0 | 7.0 | 9.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | 3.0 | 4.0 | 4.0 | 5.0 | 4.0 | 6.0 | 5.0 | 4.0 | 24 | 10.0 |
| 27 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 7.0 | 6.0 | 8.0 | 9.0 | 24 | 9.0 |
| 28 | 6.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 9.0 | 8.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 7.0 | 6.0 | 6.0 | 9.0 | 3.0 | 4.0 | 24 | 9.0 |
| 29 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 7.0 | 13.0 | 11.0 | 8.0 | 6.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 5.0 | 5.0 | 5.0 | 4.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 24 | 13.0 |
| 30 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 5.0 | 7.0 | 9.0 | 5.0 | BF | BF | BF | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 8.0 | 6.0 | 6.0 | 6.0 | 5.0 | 21 | 9.0 |
| 31 | 5.0 | 4.0 | 3.0 | 4.0 | 8.0 | 13.0 | 14.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 7.0 | 11.0 | 15.0 | 14.0 | 14.0 | 24 | 15.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 27 | 27 | 26 | 27 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 38.0 | 33.0 | 30.0 | 34.0 | 39.0 | 27.0 | 27.0 | 30.0 | 18.0 | 12.0 | 12.0 | 9.0 | 6.0 | 6.0 | 7.0 | 7.0 | 9.0 | 12.0 | 14.0 | 19.0 | 32.0 | 31.0 | 32.0 | 39.0 | | |
| AVG: | 10.61 | 9.42 | 9.06 | 9.35 | 10.39 | 11.52 | 13.39 | 11.66 | 7.93 | 5.22 | 4.15 | 3.42 | 3.04 | 3.00 | 3.29 | 3.29 | 3.90 | 4.84 | 6.87 | 9.65 | 13.26 | 13.10 | 12.45 | 12.03 | | |

MONTHLY OBSERVATIONS: 721 MONTHLY MEAN: 8.22 MONTHLY MAX: 39.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: SEPTEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.0 | 9.0 | 8.0 | 9.0 | 13.0 | 18.0 | 24.0 | BF | BF | BC | BC | BC | BC | BC | 4.0 | 4.0 | 4.0 | 4.0 | 8.0 | 5.0 | 6.0 | 6.0 | 8.0 | 9.0 | 17 | 24.0 |
| 2 | 10.0 | 10.0 | 10.0 | 11.0 | 13.0 | 12.0 | 21.0 | 19.0 | 16.0 | 18.0 | 11.0 | 10.0 | 6.0 | 5.0 | 4.0 | 4.0 | 7.0 | 8.0 | AV | AV | AV | AV | AV | AV | 18 | 21.0 |
| 3 | AV | AV | AV | 23.0 | 15.0 | 12.0 | 9.0 | 8.0 | 8.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 9.0 | 19.0 | 11.0 | 7.0 | 2.0 | 21 | 23.0 |
| 4 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 24 | 3.0 |
| 5 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 2.0 | 3.0 | 5.0 | 5.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 24 | 5.0 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 7.0 | 6.0 | 5.0 | 5.0 | 6.0 | 24 | 7.0 |
| 7 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 8.0 | 12.0 | 9.0 | 6.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 5.0 | 8.0 | 10.0 | 10.0 | 13.0 | 19.0 | 20.0 | 18.0 | 24 | 20.0 |
| 8 | 17.0 | 11.0 | 9.0 | 10.0 | 9.0 | 7.0 | 7.0 | 13.0 | 16.0 | 8.0 | 7.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 9.0 | 11.0 | 11.0 | 15.0 | 25.0 | 21.0 | 22.0 | 24 | 25.0 |
| 9 | 19.0 | 16.0 | 12.0 | 11.0 | 10.0 | 10.0 | 12.0 | 16.0 | 19.0 | 19.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 7.0 | 13.0 | 24.0 | 21.0 | 26.0 | 24.0 | 24 | 26.0 |
| 10 | 26.0 | 25.0 | 19.0 | 18.0 | 21.0 | 15.0 | 15.0 | 10.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 6.0 | 3.0 | 3.0 | 5.0 | 14.0 | 30.0 | 33.0 | 27.0 | 25.0 | 24 | 33.0 |
| 11 | 21.0 | 22.0 | 24.0 | 16.0 | 13.0 | 13.0 | 11.0 | 9.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 7.0 | 14.0 | 30.0 | 35.0 | 31.0 | 29.0 | 24 | 35.0 |
| 12 | 21.0 | 11.0 | 6.0 | 6.0 | 10.0 | 13.0 | 18.0 | BF | BF | 7.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 10.0 | 29.0 | 38.0 | 37.0 | 33.0 | 27.0 | 22 | 38.0 |
| 13 | 32.0 | 32.0 | 27.0 | 24.0 | 26.0 | 26.0 | 23.0 | 16.0 | 13.0 | 12.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 11.0 | 26.0 | 40.0 | 37.0 | 33.0 | 22.0 | 24 | 40.0 |
| 14 | 17.0 | 16.0 | 13.0 | 12.0 | 13.0 | 15.0 | 20.0 | 20.0 | 36.0 | 33.0 | 19.0 | 9.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 7.0 | 35.0 | 38.0 | 21.0 | 8.0 | 4.0 | 24 | 38.0 |
| 15 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 7.0 | 10.0 | 10.0 | 7.0 | 8.0 | 5.0 | 5.0 | 5.0 | 5.0 | 8.0 | 6.0 | 5.0 | 7.0 | 7.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 24 | 10.0 |
| 16 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 5.0 | 6.0 | 8.0 | 15.0 | 12.0 | 10.0 | 24 | 15.0 |
| 17 | 8.0 | 7.0 | 3.0 | 5.0 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 5.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 24 | 8.0 |
| 18 | 3.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 3.0 | 6.0 | 8.0 | 14.0 | 7.0 | 6.0 | 5.0 | 24 | 14.0 |
| 19 | 6.0 | 8.0 | 7.0 | 9.0 | 9.0 | 15.0 | 9.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 5.0 | 12.0 | 17.0 | 17.0 | 14.0 | 18.0 | 15.0 | 24 | 18.0 |
| 20 | 13.0 | 12.0 | 9.0 | 12.0 | 13.0 | 16.0 | 20.0 | 19.0 | 17.0 | BF | BF | BF | 5.0 | 3.0 | 3.0 | 5.0 | 8.0 | 10.0 | 14.0 | 24.0 | 22.0 | 20.0 | 17.0 | 13.0 | 21 | 24.0 |
| 21 | 8.0 | 5.0 | 4.0 | 4.0 | 3.0 | 5.0 | 7.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 6.0 | 4.0 | 12.0 | 8.0 | 7.0 | 9.0 | 9.0 | 11.0 | 14.0 | 14.0 | 13.0 | 24 | 14.0 |
| 22 | 10.0 | 6.0 | 4.0 | 3.0 | 5.0 | 8.0 | 12.0 | 11.0 | 13.0 | 12.0 | 9.0 | 6.0 | 9.0 | 11.0 | 11.0 | 8.0 | 6.0 | 6.0 | 7.0 | 10.0 | 6.0 | 6.0 | 7.0 | 10.0 | 24 | 13.0 |
| 23 | 11.0 | 11.0 | 12.0 | 12.0 | 14.0 | 14.0 | 11.0 | 11.0 | 8.0 | 8.0 | 5.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 11.0 | 23.0 | 19.0 | 20.0 | 9.0 | 6.0 | 24 | 23.0 |
| 24 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 9.0 | 6.0 | 5.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 24 | 9.0 |
| 25 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 1.0 | 2.0 | AV | AV | AV | AV | AV | AV | 3.0 | 2.0 | 2.0 | 2.0 | 18 | 3.0 |
| 26 | 1.0 | 2.0 | 1.0 | 1.0 | 2.0 | 4.0 | 6.0 | 8.0 | 5.0 | 4.0 | 3.0 | 2.0 | 3.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 2.0 | 5.0 | 6.0 | 3.0 | 3.0 | 3.0 | 24 | 8.0 |
| 27 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 7.0 | 11.0 | 3.0 | 3.0 | 2.0 | 2.0 | 24 | 11.0 |
| 28 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 6.0 | 10.0 | 12.0 | 10.0 | 7.0 | 5.0 | 4.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 7.0 | 10.0 | 17.0 | 14.0 | 13.0 | 11.0 | 11.0 | 24 | 17.0 |
| 29 | 11.0 | 12.0 | 7.0 | 7.0 | 15.0 | 18.0 | 14.0 | 17.0 | 24.0 | 13.0 | 6.0 | 5.0 | BF | BF | BF | 3.0 | 4.0 | 8.0 | 14.0 | 22.0 | 30.0 | 27.0 | 24.0 | 21.0 | 21 | 30.0 |
| 30 | 16.0 | 14.0 | 12.0 | 11.0 | 10.0 | 11.0 | 12.0 | 15.0 | 25.0 | 18.0 | 5.0 | 5.0 | 3.0 | 4.0 | 4.0 | 3.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | 6.0 | 11.0 | 24 | 25.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | | |
| MAX: | 32.0 | 32.0 | 27.0 | 24.0 | 26.0 | 26.0 | 24.0 | 20.0 | 36.0 | 33.0 | 19.0 | 10.0 | 9.0 | 11.0 | 11.0 | 12.0 | 8.0 | 10.0 | 14.0 | 35.0 | 40.0 | 37.0 | 33.0 | 29.0 | | |
| AVG: | 10.03 | 9.00 | 7.62 | 7.87 | 8.40 | 9.47 | 10.67 | 9.61 | 9.96 | 7.79 | 4.89 | 3.79 | 3.25 | 3.46 | 3.57 | 3.86 | 4.10 | 5.17 | 7.54 | 12.46 | 14.97 | 14.24 | 12.55 | 11.17 | | |

MONTHLY OBSERVATIONS: 690 MONTHLY MEAN: 8.17 MONTHLY MAX: 40.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: OCTOBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 6.0 | 3.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 8.0 | 24 | 8.0 |
| 2 | 10.0 | 9.0 | 7.0 | 6.0 | 6.0 | 6.0 | 8.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 10.0 | 14.0 | 9.0 | 10.0 | 12.0 | 12.0 | 24 | 14.0 |
| 3 | 10.0 | 11.0 | 11.0 | 9.0 | 9.0 | 14.0 | 19.0 | 23.0 | BF | BF | BC | BC | BC | BC | 2.0 | 3.0 | 7.0 | 10.0 | 15.0 | 26.0 | 19.0 | 12.0 | 9.0 | 7.0 | 18 | 26.0 |
| 4 | 6.0 | 8.0 | 13.0 | 12.0 | 12.0 | 16.0 | 18.0 | 23.0 | 23.0 | 17.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 10.0 | 35.0 | 30.0 | 25.0 | 25.0 | 25.0 | 24 | 35.0 |
| 5 | 22.0 | 13.0 | 9.0 | 10.0 | 11.0 | 13.0 | 12.0 | 18.0 | 15.0 | 9.0 | 7.0 | 6.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 8.0 | 21.0 | 38.0 | 34.0 | 30.0 | 22.0 | 18.0 | 24 | 38.0 |
| 6 | 17.0 | 16.0 | 19.0 | 24.0 | 24.0 | 25.0 | 26.0 | 20.0 | 17.0 | 7.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 11.0 | 16.0 | 15.0 | 16.0 | 16.0 | 14.0 | 24 | 26.0 |
| 7 | 9.0 | 8.0 | 11.0 | 14.0 | 18.0 | 22.0 | 23.0 | 21.0 | 15.0 | 8.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 8.0 | 10.0 | 15.0 | 12.0 | 11.0 | 11.0 | 10.0 | 24 | 23.0 |
| 8 | 11.0 | 15.0 | 15.0 | 12.0 | 13.0 | 14.0 | 15.0 | 12.0 | 10.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 7.0 | 15.0 | 20.0 | 12.0 | 12.0 | 11.0 | 9.0 | 24 | 20.0 |
| 9 | 8.0 | 5.0 | 5.0 | 4.0 | 3.0 | 3.0 | 6.0 | 5.0 | 4.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 24 | 8.0 |
| 10 | 4.0 | 4.0 | 4.0 | 4.0 | 6.0 | 8.0 | 10.0 | 11.0 | 10.0 | 7.0 | 6.0 | 6.0 | 4.0 | 5.0 | 6.0 | 5.0 | 6.0 | 6.0 | 7.0 | 6.0 | 4.0 | 4.0 | 4.0 | 4.0 | 24 | 11.0 |
| 11 | 3.0 | 5.0 | 4.0 | 2.0 | 2.0 | 4.0 | 3.0 | 5.0 | 3.0 | 3.0 | 4.0 | BF | BF | BF | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 6.0 | 5.0 | 21 | 6.0 |
| 12 | 3.0 | 5.0 | 7.0 | 5.0 | 6.0 | 10.0 | 14.0 | 15.0 | 12.0 | 11.0 | 7.0 | 8.0 | 8.0 | 5.0 | 3.0 | 3.0 | 6.0 | 8.0 | 12.0 | 15.0 | 14.0 | 14.0 | 12.0 | 8.0 | 24 | 15.0 |
| 13 | 7.0 | 6.0 | 4.0 | 5.0 | 3.0 | 4.0 | 5.0 | 6.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 7.0 | 7.0 | 4.0 | 3.0 | 3.0 | 24 | 7.0 |
| 14 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 8.0 | 9.0 | 12.0 | 11.0 | 6.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 8.0 | 16.0 | 24.0 | 29.0 | 28.0 | 24.0 | 18.0 | 24 | 29.0 |
| 15 | 12.0 | 13.0 | 9.0 | 7.0 | 6.0 | 7.0 | 9.0 | 11.0 | 11.0 | 8.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 18.0 | 16.0 | 11.0 | 10.0 | 16.0 | 19.0 | 24 | 19.0 |
| 16 | 18.0 | 21.0 | 18.0 | 17.0 | 16.0 | 14.0 | 13.0 | 11.0 | 14.0 | 12.0 | 11.0 | 8.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 8.0 | 7.0 | 5.0 | 5.0 | 5.0 | 24 | 21.0 |
| 17 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 12.0 | 17.0 | 16.0 | 12.0 | 9.0 | 8.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 8.0 | 17.0 | 23.0 | 12.0 | 9.0 | 13.0 | 9.0 | 24 | 23.0 |
| 18 | 5.0 | 4.0 | 5.0 | 5.0 | 6.0 | 7.0 | 17.0 | 17.0 | 9.0 | 8.0 | 7.0 | 5.0 | 3.0 | 2.0 | 2.0 | 4.0 | 5.0 | 9.0 | 13.0 | 8.0 | 10.0 | 4.0 | 3.0 | 2.0 | 24 | 17.0 |
| 19 | 1.0 | 1.0 | .0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 24 | 5.0 |
| 20 | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 5.0 | 6.0 | 5.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 4.0 | 5.0 | 5.0 | 6.0 | 24 | 6.0 |
| 21 | 9.0 | 9.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | BF | BF | 6.0 | 5.0 | 5.0 | 7.0 | 6.0 | 5.0 | 6.0 | 7.0 | 16.0 | 19.0 | 19.0 | 20.0 | 12.0 | 13.0 | 22 | 20.0 |
| 22 | 14.0 | 13.0 | 11.0 | 6.0 | 9.0 | 11.0 | 13.0 | 10.0 | 7.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 7.0 | 21.0 | 26.0 | 23.0 | 17.0 | 15.0 | 15.0 | 24 | 26.0 |
| 23 | 16.0 | 11.0 | 8.0 | AV | 7.0 | 6.0 | AV | 10.0 | 14.0 | 11.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 19.0 | 29.0 | 25.0 | 22.0 | 21.0 | 19.0 | 22 | 29.0 |
| 24 | 15.0 | 12.0 | 12.0 | 15.0 | 17.0 | 12.0 | 17.0 | 16.0 | 20.0 | 16.0 | 21.0 | 12.0 | 8.0 | 7.0 | 7.0 | 7.0 | 8.0 | 10.0 | 24.0 | 19.0 | 21.0 | 23.0 | 26.0 | 27.0 | 24 | 27.0 |
| 25 | 26.0 | 23.0 | 21.0 | 11.0 | 14.0 | 22.0 | 28.0 | 22.0 | 15.0 | 11.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 9.0 | 17.0 | 30.0 | 24.0 | 20.0 | 19.0 | 19.0 | 24 | 30.0 |
| 26 | 17.0 | 10.0 | 9.0 | 7.0 | 7.0 | 10.0 | 22.0 | 19.0 | 12.0 | 10.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 9.0 | 13.0 | 15.0 | 18.0 | 19.0 | 12.0 | 6.0 | 24 | 22.0 |
| 27 | 4.0 | 5.0 | 5.0 | 6.0 | 6.0 | 9.0 | 12.0 | 19.0 | 14.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 11.0 | 11.0 | 11.0 | 11.0 | 15.0 | 14.0 | 24 | 19.0 |
| 28 | 4.0 | 5.0 | 4.0 | 5.0 | 3.0 | 4.0 | 5.0 | 5.0 | BF | BF | BC | BC | BC | BC | BC | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 17 | 5.0 |
| 29 | 5.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 6.0 | 4.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 7.0 | 8.0 | 8.0 | 7.0 | 6.0 | 13.0 | 14.0 | 24 | 14.0 |
| 30 | 18.0 | 17.0 | 16.0 | 17.0 | 15.0 | 15.0 | 14.0 | 11.0 | 11.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 | 7.0 | 24.0 | 21.0 | 16.0 | 13.0 | 9.0 | 7.0 | 24 | 24.0 |
| 31 | 3.0 | 3.0 | 4.0 | 5.0 | 7.0 | 16.0 | 21.0 | 20.0 | 9.0 | 7.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 8.0 | 13.0 | 22.0 | 27.0 | 29.0 | 28.0 | 22.0 | 20.0 | 24 | 29.0 |
| NO.: | 31 | 31 | 31 | 30 | 31 | 31 | 30 | 31 | 28 | 28 | 29 | 28 | 28 | 28 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 26.0 | 23.0 | 21.0 | 24.0 | 24.0 | 25.0 | 28.0 | 23.0 | 23.0 | 17.0 | 21.0 | 12.0 | 8.0 | 7.0 | 7.0 | 7.0 | 8.0 | 13.0 | 24.0 | 38.0 | 34.0 | 30.0 | 26.0 | 27.0 | | |
| AVG: | 9.52 | 8.71 | 8.23 | 7.83 | 8.16 | 10.16 | 12.80 | 12.48 | 10.25 | 7.14 | 5.10 | 3.82 | 3.14 | 2.96 | 2.93 | 3.23 | 4.13 | 6.48 | 12.55 | 16.26 | 14.23 | 12.84 | 12.16 | 11.19 | | |

MONTHLY OBSERVATIONS: 724 MONTHLY MEAN: 8.67 MONTHLY MAX: 38.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: NOVEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.0 | 17.0 | 16.0 | 16.0 | 15.0 | 15.0 | 20.0 | 21.0 | 22.0 | 14.0 | 8.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 15.0 | 35.0 | 34.0 | 30.0 | 29.0 | 26.0 | 23.0 | 24 | 35.0 |
| 2 | 20.0 | 19.0 | 17.0 | 16.0 | 19.0 | 18.0 | 16.0 | 21.0 | BF | BF | BF | 7.0 | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 10.0 | 26.0 | 36.0 | 33.0 | 29.0 | 26.0 | 23.0 | 21 | 36.0 |
| 3 | 19.0 | 19.0 | 17.0 | 15.0 | 14.0 | 15.0 | 23.0 | 17.0 | 20.0 | 15.0 | 8.0 | 8.0 | 8.0 | 5.0 | 4.0 | 4.0 | 4.0 | 7.0 | 23.0 | 25.0 | 12.0 | 7.0 | 6.0 | 5.0 | 24 | 25.0 |
| 4 | 5.0 | 5.0 | 4.0 | 5.0 | 4.0 | 8.0 | 5.0 | 11.0 | 10.0 | 6.0 | 5.0 | 6.0 | 6.0 | 7.0 | 6.0 | 7.0 | 8.0 | 11.0 | 13.0 | 16.0 | 8.0 | 6.0 | 5.0 | 6.0 | 24 | 16.0 |
| 5 | 5.0 | 4.0 | 3.0 | 3.0 | 4.0 | 8.0 | 9.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 8.0 | 20.0 | 16.0 | 13.0 | 11.0 | 11.0 | 10.0 | 24 | 20.0 |
| 6 | 8.0 | 11.0 | 9.0 | 8.0 | 6.0 | 4.0 | 5.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 10.0 | 24.0 | 25.0 | 24.0 | 22.0 | 16.0 | 15.0 | 24 | 25.0 |
| 7 | 14.0 | 12.0 | 13.0 | 14.0 | 12.0 | 11.0 | 13.0 | 21.0 | 23.0 | 19.0 | 10.0 | 6.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 18.0 | 33.0 | 32.0 | 28.0 | 24.0 | 20.0 | 17.0 | 24 | 33.0 |
| 8 | 16.0 | 15.0 | 13.0 | 11.0 | 11.0 | 14.0 | 17.0 | 19.0 | 23.0 | 16.0 | 13.0 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 | 7.0 | 13.0 | 36.0 | 42.0 | 39.0 | 27.0 | 23.0 | 21.0 | 24 | 42.0 |
| 9 | 18.0 | 16.0 | 15.0 | 13.0 | 14.0 | 13.0 | 12.0 | 16.0 | 25.0 | 22.0 | 12.0 | 7.0 | 6.0 | 5.0 | 7.0 | 10.0 | 14.0 | 16.0 | 31.0 | 41.0 | 37.0 | 33.0 | 34.0 | 29.0 | 24 | 41.0 |
| 10 | 19.0 | 17.0 | 17.0 | 15.0 | 11.0 | 11.0 | 18.0 | 22.0 | 25.0 | 24.0 | 18.0 | 14.0 | BF | BF | BF | 9.0 | 14.0 | 15.0 | 12.0 | 22.0 | 13.0 | 11.0 | 11.0 | 16.0 | 21 | 25.0 |
| 11 | 8.0 | 4.0 | 4.0 | 4.0 | 7.0 | 15.0 | 19.0 | 23.0 | AZ | AZ | AZ | AZ | AZ | AZ | 4.0 | 4.0 | 6.0 | 10.0 | 24.0 | 31.0 | 28.0 | 30.0 | 28.0 | 26.0 | 18 | 31.0 |
| 12 | 22.0 | 22.0 | 12.0 | 12.0 | 17.0 | 17.0 | 18.0 | 17.0 | 11.0 | 10.0 | 8.0 | 7.0 | 7.0 | 4.0 | 3.0 | 3.0 | 4.0 | 7.0 | 10.0 | 11.0 | 14.0 | 19.0 | 24.0 | 25.0 | 24 | 25.0 |
| 13 | 13.0 | 10.0 | 10.0 | 8.0 | 10.0 | 10.0 | 9.0 | 14.0 | 9.0 | 8.0 | 7.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 10.0 | 25.0 | 14.0 | 8.0 | 6.0 | 7.0 | 24 | 25.0 |
| 14 | 8.0 | 8.0 | 7.0 | 6.0 | 6.0 | 6.0 | 8.0 | 15.0 | 15.0 | 9.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 8.0 | 17.0 | 20.0 | 19.0 | 12.0 | 12.0 | 7.0 | 24 | 20.0 |
| 15 | 5.0 | 2.0 | 3.0 | 3.0 | 4.0 | 3.0 | 4.0 | 6.0 | 7.0 | 6.0 | 5.0 | 3.0 | 3.0 | 3.0 | 2.0 | 4.0 | 8.0 | 16.0 | 27.0 | 20.0 | 16.0 | 15.0 | 7.0 | 6.0 | 24 | 27.0 |
| 16 | 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 5.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 24 | 6.0 |
| 17 | 3.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 8.0 | 7.0 | 5.0 | 6.0 | 7.0 | 6.0 | 5.0 | 3.0 | 3.0 | 6.0 | 6.0 | 7.0 | 8.0 | 12.0 | 18.0 | 20.0 | 20.0 | 24 | 20.0 |
| 18 | 19.0 | 18.0 | 17.0 | 16.0 | 12.0 | 11.0 | 14.0 | 21.0 | 22.0 | 14.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 5.0 | 18.0 | 31.0 | 34.0 | 31.0 | 30.0 | 28.0 | 26.0 | 24 | 34.0 |
| 19 | 25.0 | 23.0 | 22.0 | 20.0 | 18.0 | 18.0 | 19.0 | 20.0 | 22.0 | 19.0 | 13.0 | 11.0 | 9.0 | 8.0 | 7.0 | 7.0 | 7.0 | 9.0 | 32.0 | 31.0 | 34.0 | 33.0 | 30.0 | 29.0 | 24 | 34.0 |
| 20 | 27.0 | 26.0 | 23.0 | 22.0 | 18.0 | 23.0 | 20.0 | 22.0 | 19.0 | 12.0 | 8.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 3.0 | 24 | 27.0 |
| 21 | 3.0 | 4.0 | 2.0 | 3.0 | 3.0 | 2.0 | 5.0 | 8.0 | 10.0 | 7.0 | 8.0 | 7.0 | 8.0 | 8.0 | 7.0 | 5.0 | 7.0 | 15.0 | 19.0 | 11.0 | 12.0 | 10.0 | 14.0 | 18.0 | 24 | 19.0 |
| 22 | 21.0 | 20.0 | 18.0 | 13.0 | 11.0 | 10.0 | 9.0 | 13.0 | 15.0 | 15.0 | 9.0 | 8.0 | 7.0 | BF | BF | 3.0 | 4.0 | 7.0 | 7.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 22 | 21.0 |
| 23 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 5.0 | 5.0 | 6.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 7.0 | 8.0 | 7.0 | 10.0 | 11.0 | 12.0 | 19.0 | 24 | 19.0 |
| 24 | 22.0 | 24.0 | 20.0 | 22.0 | 23.0 | 20.0 | 21.0 | 23.0 | 14.0 | 4.0 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 5.0 | 9.0 | 23.0 | 34.0 | 34.0 | 32.0 | 27.0 | 26.0 | 24 | 34.0 |
| 25 | 27.0 | 21.0 | 20.0 | 25.0 | 21.0 | 19.0 | 18.0 | 22.0 | 23.0 | 16.0 | 9.0 | 4.0 | 4.0 | 3.0 | 2.0 | 2.0 | 4.0 | 10.0 | 14.0 | 27.0 | 34.0 | 26.0 | 24.0 | 23.0 | 24 | 34.0 |
| 26 | 23.0 | 21.0 | 20.0 | 19.0 | 15.0 | 17.0 | 19.0 | 22.0 | 17.0 | 15.0 | 8.0 | 6.0 | 5.0 | 3.0 | 1.0 | 1.0 | 2.0 | 5.0 | 16.0 | 13.0 | 9.0 | 11.0 | 9.0 | 13.0 | 24 | 23.0 |
| 27 | 7.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 6.0 | 9.0 | 6.0 | 3.0 | 2.0 | 1.0 | 1.0 | 24 | 9.0 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 6.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 6.0 | 5.0 | 7.0 | 6.0 | 3.0 | 2.0 | 2.0 | 3.0 | 2.0 | 24 | 7.0 |
| 29 | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 2.0 | 5.0 | 8.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | 7.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 24 | 8.0 |
| 30 | 4.0 | 7.0 | 8.0 | 9.0 | 8.0 | 10.0 | 11.0 | 11.0 | 11.0 | 13.0 | 10.0 | 6.0 | 4.0 | 4.0 | 3.0 | 3.0 | 5.0 | 16.0 | 29.0 | 34.0 | 34.0 | 31.0 | 29.0 | 27.0 | 24 | 34.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| NO.: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 28 | 29 | 28 | 27 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| MAX: | 27.0 | 26.0 | 23.0 | 25.0 | 23.0 | 23.0 | 23.0 | 23.0 | 25.0 | 24.0 | 18.0 | 14.0 | 9.0 | 8.0 | 7.0 | 10.0 | 14.0 | 18.0 | 36.0 | 42.0 | 39.0 | 33.0 | 34.0 | 29.0 | | |
| AVG: | 13.03 | 12.13 | 10.90 | 10.40 | 9.90 | 10.40 | 11.83 | 14.47 | 13.79 | 10.64 | 7.07 | 5.21 | 4.43 | 3.89 | 3.57 | 4.13 | 5.53 | 10.00 | 18.50 | 20.63 | 18.53 | 16.63 | 15.40 | 15.07 | | |

MONTHLY OBSERVATIONS: 706 MONTHLY MEAN: 11.17 MONTHLY MAX: 42.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(42602) Nitrogen dioxide (NO2)

CAS NUMBER: 10102-44-0

SITE ID: 37-119-0041 POC: 1
COUNTY: (119) Mecklenburg
CITY: (12000) Charlotte
SITE ADDRESS: 1130 EASTWAY DRIVE
SITE COMMENTS: 1/1 PM2.5 Sampling on roof of monitoring shelter. MOVED SHELTER 230 M SW OF ORIGIN
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (167) METROPOLITAN CHARLOTTE
URBANIZED AREA: (1510) CHARLOTTE, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 35.2401000009
LONGITUDE: -80.785683
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 232
PROBE HEIGHT: 5

SUPPORT AGENCY: (0669) Mecklenburg County Air Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (074) INSTRUMENTAL CHEMILUMINESCENCE
PQAO: (0776) North Carolina Dept Of Environment And Natural Resources

REPORT FOR: DECEMBER 2011

DURATION: 1 HOUR
UNITS: Parts per billion
MIN DETECTABLE: 1

| DAY | HOUR 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | OBS | MAXIMUM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.0 | 13.0 | 17.0 | 16.0 | 13.0 | 13.0 | 16.0 | 21.0 | 18.0 | 13.0 | BF | BF | BF | 10.0 | 12.0 | 17.0 | 21.0 | 24.0 | 39.0 | 36.0 | 33.0 | 30.0 | 29.0 | 27.0 | 21 | 39.0 |
| 2 | 27.0 | 25.0 | 23.0 | 23.0 | 18.0 | 19.0 | 23.0 | 24.0 | 25.0 | 32.0 | 21.0 | 12.0 | 10.0 | 8.0 | 10.0 | 15.0 | 18.0 | 24.0 | 41.0 | 40.0 | 35.0 | 36.0 | 31.0 | 29.0 | 24 | 41.0 |
| 3 | 29.0 | 34.0 | 29.0 | 22.0 | 17.0 | 15.0 | 16.0 | 20.0 | 16.0 | 9.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 8.0 | 15.0 | 31.0 | 32.0 | 30.0 | 32.0 | 30.0 | 28.0 | 24 | 34.0 |
| 4 | 25.0 | 24.0 | 24.0 | 24.0 | 23.0 | 21.0 | 20.0 | 17.0 | 13.0 | 10.0 | 8.0 | 7.0 | 8.0 | 7.0 | 5.0 | 3.0 | 5.0 | 19.0 | 36.0 | 33.0 | 35.0 | 29.0 | 29.0 | 18.0 | 24 | 36.0 |
| 5 | 12.0 | 10.0 | 10.0 | 10.0 | 19.0 | 24.0 | 25.0 | 27.0 | 26.0 | 25.0 | 22.0 | 16.0 | 13.0 | 10.0 | 10.0 | 11.0 | 12.0 | 15.0 | 25.0 | 23.0 | 25.0 | 21.0 | 19.0 | 14.0 | 24 | 27.0 |
| 6 | 5.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 6.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 6.0 | 5.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 24 | 6.0 |
| 7 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 8.0 | 5.0 | 7.0 | 10.0 | 8.0 | 6.0 | 9.0 | 10.0 | 11.0 | 24 | 11.0 |
| 8 | 8.0 | 7.0 | 5.0 | 5.0 | 6.0 | 8.0 | 18.0 | 25.0 | 25.0 | 22.0 | 9.0 | 6.0 | 5.0 | 5.0 | 7.0 | 7.0 | 10.0 | 26.0 | 34.0 | 32.0 | 31.0 | 27.0 | 28.0 | 25.0 | 24 | 34.0 |
| 9 | 27.0 | 27.0 | 26.0 | 25.0 | 23.0 | 22.0 | 21.0 | 26.0 | 29.0 | 28.0 | 21.0 | 22.0 | 21.0 | 15.0 | 14.0 | 13.0 | 14.0 | 25.0 | 39.0 | 37.0 | 34.0 | 31.0 | 30.0 | 28.0 | 24 | 39.0 |
| 10 | 27.0 | 27.0 | 28.0 | 18.0 | 11.0 | 11.0 | 9.0 | 10.0 | 9.0 | 7.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 13.0 | 20.0 | 15.0 | 9.0 | 10.0 | 8.0 | 8.0 | 24 | 28.0 |
| 11 | 7.0 | 6.0 | 6.0 | 6.0 | 4.0 | 5.0 | 7.0 | 9.0 | 6.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 12.0 | 14.0 | 13.0 | 11.0 | 8.0 | 7.0 | 7.0 | 24 | 14.0 |
| 12 | 7.0 | 9.0 | 12.0 | 11.0 | 9.0 | 9.0 | 12.0 | 15.0 | 22.0 | 21.0 | 16.0 | 12.0 | 10.0 | 8.0 | 9.0 | 12.0 | 16.0 | 27.0 | 35.0 | 36.0 | 32.0 | 30.0 | 30.0 | 31.0 | 24 | 36.0 |
| 13 | 29.0 | 29.0 | 28.0 | 28.0 | 28.0 | 22.0 | 26.0 | 29.0 | 24.0 | 30.0 | 28.0 | 27.0 | 18.0 | 21.0 | 22.0 | 20.0 | 22.0 | 28.0 | 39.0 | 38.0 | 36.0 | 34.0 | 32.0 | 29.0 | 24 | 39.0 |
| 14 | 26.0 | 24.0 | 26.0 | 21.0 | 19.0 | 24.0 | 24.0 | 23.0 | BF | BF | BF | 9.0 | 11.0 | 8.0 | 6.0 | 6.0 | 12.0 | 23.0 | 20.0 | 21.0 | 24.0 | 16.0 | 12.0 | 6.0 | 21 | 26.0 |
| 15 | 6.0 | 7.0 | 9.0 | 9.0 | 8.0 | 9.0 | 13.0 | 17.0 | 13.0 | 9.0 | 10.0 | 8.0 | 4.0 | 4.0 | 4.0 | 5.0 | 4.0 | 6.0 | 7.0 | 8.0 | 8.0 | 5.0 | 4.0 | 5.0 | 24 | 17.0 |
| 16 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 6.0 | 13.0 | 15.0 | 15.0 | 14.0 | 10.0 | 10.0 | 12.0 | 12.0 | 14.0 | 16.0 | 12.0 | 9.0 | 8.0 | 9.0 | 7.0 | 6.0 | 4.0 | 4.0 | 24 | 16.0 |
| 17 | 3.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 6.0 | 6.0 | 8.0 | 6.0 | 6.0 | 6.0 | 7.0 | 8.0 | 8.0 | 7.0 | 10.0 | 17.0 | 22.0 | 22.0 | 20.0 | 26.0 | 27.0 | 21.0 | 24 | 27.0 |
| 18 | 20.0 | 19.0 | 21.0 | 17.0 | 18.0 | 13.0 | 15.0 | 18.0 | 17.0 | 11.0 | 7.0 | 5.0 | 5.0 | 4.0 | 3.0 | 5.0 | 11.0 | 10.0 | 19.0 | 31.0 | 29.0 | 29.0 | 24.0 | 19.0 | 24 | 31.0 |
| 19 | 16.0 | 17.0 | 19.0 | 21.0 | 17.0 | 19.0 | 20.0 | 23.0 | 18.0 | 14.0 | 10.0 | 7.0 | 4.0 | 3.0 | 3.0 | 4.0 | 6.0 | 10.0 | 20.0 | 31.0 | 31.0 | 29.0 | 23.0 | 21.0 | 24 | 31.0 |
| 20 | 15.0 | 10.0 | 13.0 | 13.0 | 13.0 | 14.0 | 19.0 | 22.0 | 23.0 | 24.0 | 23.0 | 18.0 | 17.0 | 16.0 | 9.0 | 7.0 | 6.0 | 8.0 | 14.0 | 11.0 | 13.0 | 16.0 | 16.0 | 15.0 | 24 | 24.0 |
| 21 | 11.0 | 12.0 | 13.0 | 12.0 | 12.0 | 10.0 | 11.0 | 9.0 | 6.0 | 6.0 | 5.0 | 5.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 24 | 13.0 |
| 22 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 4.0 | 5.0 | 5.0 | 5.0 | BF | BF | BF | AC | AC | AC | AC | AC | 9.0 | 7.0 | 6.0 | 5.0 | 4.0 | 2.0 | 16 | 9.0 |
| 23 | 2.0 | 2.0 | 1.0 | 2.0 | 4.0 | 4.0 | 5.0 | 10.0 | 8.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 7.0 | 14.0 | 17.0 | 11.0 | 14.0 | 15.0 | 14.0 | 14.0 | 24 | 17.0 |
| 24 | 16.0 | 15.0 | 16.0 | 18.0 | 19.0 | 18.0 | 16.0 | 13.0 | 15.0 | 15.0 | 7.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 13.0 | 19.0 | 23.0 | 21.0 | 21.0 | 19.0 | 20.0 | 24 | 23.0 |
| 25 | 16.0 | 17.0 | 16.0 | 14.0 | 13.0 | 15.0 | 17.0 | 15.0 | 15.0 | 11.0 | 8.0 | 8.0 | 6.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 7.0 | 9.0 | 14.0 | 15.0 | 15.0 | 9.0 | 24 | 17.0 |
| 26 | 7.0 | 9.0 | 12.0 | 7.0 | 6.0 | 6.0 | 12.0 | 14.0 | 9.0 | 5.0 | 3.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 7.0 | 19.0 | 30.0 | 27.0 | 25.0 | 18.0 | 9.0 | 24 | 30.0 |
| 27 | 7.0 | 7.0 | 4.0 | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 | 3.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 11.0 | 11.0 | 13.0 | 24 | 13.0 |
| 28 | 14.0 | 5.0 | 9.0 | 8.0 | 5.0 | 9.0 | 14.0 | 16.0 | 15.0 | 12.0 | 6.0 | 3.0 | 2.0 | 3.0 | 3.0 | 3.0 | 6.0 | 14.0 | 24.0 | 31.0 | 33.0 | 30.0 | 34.0 | 27.0 | 24 | 34.0 |
| 29 | 25.0 | 22.0 | 23.0 | 20.0 | 20.0 | 20.0 | 19.0 | 18.0 | 20.0 | 22.0 | 12.0 | 9.0 | 6.0 | 6.0 | 4.0 | 3.0 | 7.0 | 12.0 | 23.0 | 30.0 | 28.0 | 26.0 | 22.0 | 17.0 | 24 | 30.0 |
| 30 | 13.0 | 10.0 | 9.0 | 10.0 | 13.0 | 15.0 | 18.0 | 19.0 | 18.0 | 14.0 | 11.0 | 7.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 6.0 | 5.0 | 4.0 | 3.0 | 4.0 | 4.0 | 24 | 19.0 |
| 31 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 6.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 6.0 | 4.0 | 3.0 | 3.0 | 3.0 | 5.0 | 8.0 | 18.0 | 32.0 | 32.0 | 30.0 | 29.0 | 27.0 | 24 | 32.0 |
| NO.: | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| MAX: | 29.0 | 34.0 | 29.0 | 28.0 | 28.0 | 24.0 | 26.0 | 29.0 | 29.0 | 32.0 | 28.0 | 27.0 | 21.0 | 21.0 | 22.0 | 20.0 | 22.0 | 28.0 | 41.0 | 40.0 | 36.0 | 36.0 | 34.0 | 31.0 | | |
| AVG: | 13.81 | 13.03 | 13.35 | 12.29 | 11.68 | 12.03 | 14.03 | 15.68 | 14.60 | 13.17 | 10.07 | 8.14 | 6.97 | 6.47 | 6.27 | 6.87 | 8.50 | 13.63 | 20.23 | 21.52 | 20.68 | 19.71 | 18.32 | 15.90 | | |

MONTHLY OBSERVATIONS: 730 MONTHLY MEAN: 13.28 MONTHLY MAX: 41.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

QUALIFIER CODES:

| Qualifier Code | Qualifier Description | Qualifier Type |
|---|---|---|
| AC | Construction/Repairs in Area | NULL |
| AN | Machine Malfunction | NULL |
| AV | Power Failure | NULL |
| AZ | Q C Audit | NULL |
| BA | Maintenance/Routine Repairs | NULL |
| BC | Multi-point Calibration | NULL |
| BF | Precision/Zero/Span | NULL |

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.