UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XJBAPAT

RAW DATA REPORT

Report Request ID: 1395327

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
2012 01 01	2012 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 2012

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	24.0	23.0	22.0	18.0	20.0	19.0	19.0	18.0	13.0	12.0	6.0	5.0	7.0	5.0	3.0	3.0	5.0	9.0	11.0	5.0	5.0	2.0	1.0	1.0	24	24.0
2	1.0	3.0	4.0	4.0	1.0	2.0	2.0	4.0	4.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	4.0	3.0	2.0	2.0	2.0	1.0	24	4.0
3	2.0	2.0	2.0	2.0	2.0	3.0	5.0	5.0	5.0	3.0	2.0	2.0	2.0	1.0	1.0	2.0	5.0	6.0	6.0	8.0	7.0	9.0	13.0	12.0	24	13.0
4	13.0	17.0	23.0	16.0	15.0	21.0	25.0	24.0	22.0	14.0	7.0	6.0	7.0	6.0	6.0	12.0	15.0	20.0	25.0	30.0	28.0	32.0	31.0	26.0	24	32.0
5	18.0	21.0	16.0	12.0	18.0	21.0	31.0	28.0	31.0	24.0	7.0	4.0	4.0	3.0	3.0	6.0	9.0	19.0	13.0	21.0	23.0	30.0	26.0	35.0	24	35.0
6	32.0	23.0	25.0	30.0	31.0	30.0	33.0	32.0	36.0	27.0	27.0	19.0	11.0	6.0	5.0	8.0	17.0	22.0	28.0	25.0	16.0	13.0	16.0	23.0	24	36.0
7	21.0	19.0	25.0	29.0	32.0	26.0	15.0	18.0	18.0	13.0	12.0	10.0	7.0	5.0	4.0	5.0	9.0	13.0	9.0	13.0	16.0	14.0	9.0	8.0	24	32.0
8	13.0	16.0	6.0	3.0	3.0	4.0	5.0	7.0	6.0	4.0	6.0	3.0	2.0	3.0	3.0	4.0	5.0	8.0	10.0	10.0	9.0	7.0	8.0	9.0	24	16.0
9	5.0	5.0	4.0	4.0	3.0	5.0	5.0	8.0	11.0	6.0	5.0	4.0	4.0	4.0	5.0	6.0	7.0	8.0	7.0	10.0	12.0	15.0	13.0	13.0	24	15.0
10	13.0	10.0	7.0	6.0	6.0	6.0	8.0	7.0	14.0	14.0	14.0	BF	BF	8.0	17.0	13.0	13.0	21.0	29.0	29.0	28.0	23.0	25.0	23.0	22	29.0
11	21.0	20.0	20.0	18.0	16.0	9.0	7.0	9.0	13.0	9.0	10.0	11.0	13.0	13.0	8.0	8.0	8.0	8.0	7.0	6.0	7.0	11.0	11.0	15.0	24	21.0
12	17.0	16.0	12.0	9.0	10.0	9.0	13.0	14.0	17.0	10.0	7.0	5.0	4.0	5.0	5.0	5.0	5.0	9.0	10.0	8.0	6.0	5.0	3.0	2.0	24	17.0
13	1.0	1.0	1.0	1.0	2.0	3.0	7.0	10.0	7.0	6.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	6.0	5.0	3.0	5.0	7.0	8.0	5.0	24	10.0
14	5.0	6.0	4.0	4.0	3.0	6.0	17.0	24.0	14.0	5.0	3.0	2.0	1.0	1.0	2.0	2.0	4.0	8.0	22.0	28.0	24.0	15.0	19.0	26.0	24	28.0
15	23.0	8.0	4.0	3.0	2.0	7.0	4.0	3.0	2.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	4.0	13.0	12.0	12.0	10.0	12.0	15.0	24	23.0
16	17.0	14.0	10.0	11.0	9.0	16.0	18.0	19.0	20.0	23.0	10.0	7.0	7.0	5.0	8.0	9.0	12.0	14.0	14.0	16.0	12.0	12.0	14.0	9.0	24	23.0
17	10.0	11.0	12.0	10.0	10.0	8.0	7.0	9.0	10.0	7.0	6.0	6.0	5.0	3.0	5.0	6.0	5.0	6.0	6.0	4.0	5.0	3.0	3.0	4.0	24	12.0
18	4.0	3.0	2.0	2.0	2.0	4.0	6.0	10.0	13.0	5.0	1.0	1.0	1.0	1.0	2.0	3.0	5.0	9.0	7.0	3.0	3.0	3.0	3.0	3.0	24	13.0
19	2.0	2.0	4.0	4.0	3.0	4.0	7.0	12.0	10.0	10.0	8.0	7.0	5.0	5.0	5.0	7.0	13.0	17.0	21.0	21.0	20.0	14.0	13.0	9.0	24	21.0
20	10.0	9.0	11.0	13.0	14.0	24.0	21.0	22.0	25.0	24.0	21.0	19.0	15.0	16.0	15.0	23.0	21.0	15.0	10.0	12.0	10.0	13.0	9.0	9.0	24	25.0
21	9.0	9.0	7.0	7.0	7.0	9.0	10.0	13.0	7.0	9.0	6.0	11.0	9.0	8.0	10.0	8.0	9.0	11.0	9.0	8.0	5.0	6.0	3.0	2.0	24	13.0
22	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	24	4.0
23	4.0	4.0	5.0	5.0	8.0	7.0	4.0	5.0	11.0	6.0	7.0	9.0	10.0	10.0	11.0	11.0	11.0	12.0	11.0	11.0	10.0	12.0	12.0	11.0	24	12.0
24	11.0	10.0	10.0	10.0	10.0	10.0	11.0	12.0	11.0	9.0	BF	BF	8.0	7.0	9.0	8.0	11.0	18.0	30.0	31.0	29.0	28.0	23.0	20.0	22	31.0
25	13.0	12.0	13.0	7.0	6.0	6.0	10.0	12.0	19.0	16.0	5.0	3.0	4.0	4.0	8.0	8.0	11.0	17.0	35.0	33.0	30.0	32.0	27.0	27.0	24	35.0
26	25.0	18.0	22.0	15.0	15.0	23.0	29.0	31.0	30.0	19.0	15.0	15.0	8.0	5.0	6.0	6.0	9.0	12.0	13.0	10.0	7.0	5.0	2.0	2.0	24	31.0
27	2.0	1.0	.0	.0	.0	1.0	2.0	3.0	3.0	7.0	3.0	2.0	BF	BF	BF	BF	BF	7.0	7.0	6.0	6.0	20.0	17.0	29.0	19	29.0
28	26.0	23.0	17.0	18.0	14.0	17.0	18.0	16.0	15.0	6.0	5.0	4.0	3.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	17.0	17.0	24	26.0
29	8.0	5.0	10.0	15.0	17.0	14.0	21.0	21.0	16.0	4.0	2.0	1.0	1.0	2.0	1.0	2.0	2.0	5.0	8.0	12.0	9.0	7.0	7.0	5.0	24	21.0
30	6.0	7.0	9.0	11.0	10.0	23.0	26.0	33.0	28.0	29.0	12.0	5.0	5.0	4.0	4.0	6.0	6.0	10.0	23.0	29.0	26.0	25.0	20.0	13.0	24	33.0
31	13.0	12.0	11.0	14.0	12.0	16.0	22.0	30.0	31.0	21.0	14.0	12.0	8.0	7.0	7.0	7.0	9.0	13.0	22.0	12.0	10.0	9.0	8.0	6.0	24	31.0
NO.:	31	31	31	31	31	31	31	31	31	31	30	29	29	30	30	30	30	31	31	31	31	31	31	31		
MAX:	32.0	23.0	25.0	30.0	32.0	30.0	33.0	33.0	36.0	29.0	27.0	19.0	15.0	16.0	17.0	23.0	21.0	22.0	35.0	33.0	30.0	32.0	31.0	35.0		
AVG:	11.97	10.71	10.32	9.77	9.77	11.42	13.19	14.87	14.94	11.16	7.53	6.10	5.38	4.87	5.40	6.33	7.97	10.90	13.65	13.77	12.58	12.65	12.19	12.39		

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 10.46 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)

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CITY: (75000) Winston-Salem
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LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER: 10102-44-0
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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 2012

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	5.0	5.0	7.0	8.0	8.0	6.0	13.0	21.0	25.0	18.0	14.0	12.0	8.0	7.0	6.0	10.0	17.0	20.0	23.0	18.0	16.0	17.0	14.0	13.0	24	25.0
2	12.0	8.0	7.0	8.0	7.0	7.0	8.0	8.0	15.0	10.0	7.0	2.0	2.0	2.0	3.0	5.0	5.0	7.0	15.0	11.0	11.0	22.0	17.0	21.0	24	22.0
3	20.0	13.0	23.0	20.0	24.0	25.0	15.0	17.0	18.0	6.0	3.0	2.0	2.0	3.0	4.0	5.0	7.0	11.0	24.0	35.0	32.0	29.0	33.0	30.0	24	35.0
4	24.0	15.0	9.0	8.0	8.0	12.0	15.0	14.0	15.0	13.0	11.0	8.0	12.0	13.0	12.0	12.0	12.0	11.0	13.0	12.0	12.0	10.0	12.0	12.0	24	24.0
5	5.0	2.0	3.0	3.0	5.0	4.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0	6.0	5.0	4.0	2.0	3.0	3.0	2.0	2.0	1.0	2.0	2.0	24	6.0
6	3.0	3.0	3.0	4.0	6.0	7.0	13.0	19.0	16.0	8.0	8.0	9.0	7.0	6.0	6.0	7.0	6.0	9.0	22.0	27.0	30.0	25.0	16.0	22.0	24	30.0
7	23.0	24.0	20.0	16.0	10.0	21.0	22.0	23.0	23.0	13.0	8.0	BF	BF	3.0	5.0	4.0	5.0	11.0	26.0	36.0	32.0	32.0	30.0	27.0	22	36.0
8	22.0	30.0	31.0	32.0	25.0	24.0	24.0	12.0	6.0	8.0	9.0	6.0	6.0	7.0	7.0	6.0	8.0	8.0	13.0	9.0	7.0	5.0	4.0	5.0	24	32.0
9	4.0	3.0	2.0	2.0	3.0	3.0	9.0	18.0	9.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	5.0	7.0	15.0	33.0	34.0	31.0	29.0	25.0	24	34.0
10	25.0	25.0	24.0	26.0	22.0	19.0	20.0	22.0	26.0	23.0	13.0	11.0	11.0	9.0	12.0	19.0	21.0	21.0	25.0	24.0	30.0	35.0	31.0	26.0	24	35.0
11	25.0	25.0	22.0	23.0	23.0	21.0	14.0	10.0	9.0	6.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	24	25.0
12	1.0	1.0	2.0	2.0	2.0	2.0	3.0	4.0	1.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	2.0	2.0	5.0	6.0	6.0	7.0	7.0	6.0	24	7.0
13	6.0	4.0	7.0	10.0	20.0	24.0	29.0	29.0	15.0	5.0	3.0	2.0	2.0	4.0	4.0	6.0	9.0	10.0	20.0	28.0	33.0	33.0	24.0	20.0	24	33.0
14	13.0	12.0	9.0	7.0	9.0	11.0	12.0	17.0	17.0	11.0	7.0	5.0	5.0	5.0	6.0	6.0	7.0	8.0	12.0	9.0	6.0	7.0	8.0	8.0	24	17.0
15	9.0	10.0	7.0	8.0	10.0	20.0	29.0	26.0	25.0	6.0	2.0	1.0	2.0	6.0	4.0	3.0	5.0	8.0	16.0	28.0	26.0	30.0	20.0	17.0	24	30.0
16	13.0	13.0	9.0	6.0	8.0	10.0	18.0	21.0	12.0	7.0	4.0	4.0	5.0	9.0	10.0	17.0	8.0	7.0	17.0	30.0	32.0	29.0	21.0	13.0	24	32.0
17	8.0	8.0	12.0	12.0	18.0	22.0	16.0	25.0	24.0	9.0	5.0	2.0	2.0	2.0	2.0	3.0	4.0	8.0	24.0	19.0	18.0	8.0	14.0	10.0	24	25.0
18	5.0	4.0	5.0	4.0	4.0	5.0	7.0	16.0	11.0	6.0	4.0	4.0	4.0	4.0	4.0	5.0	6.0	10.0	16.0	27.0	46.0	42.0	37.0	31.0	24	46.0
19	22.0	9.0	5.0	4.0	4.0	3.0	3.0	3.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	24	22.0
20	1.0	1.0	1.0	1.0	4.0	9.0	11.0	10.0	10.0	6.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	3.0	11.0	14.0	14.0	29.0	28.0	21.0	24	29.0
21	17.0	16.0	13.0	12.0	11.0	13.0	20.0	30.0	24.0	19.0	13.0	BF	BF	5.0	6.0	6.0	7.0	7.0	7.0	7.0	6.0	7.0	8.0	7.0	22	30.0
22	7.0	6.0	5.0	6.0	7.0	7.0	12.0	21.0	18.0	14.0	10.0	7.0	6.0	4.0	5.0	8.0	14.0	17.0	22.0	8.0	5.0	3.0	3.0	3.0	24	22.0
23	5.0	8.0	6.0	4.0	5.0	12.0	14.0	16.0	15.0	11.0	8.0	8.0	6.0	4.0	3.0	4.0	7.0	10.0	16.0	18.0	13.0	9.0	7.0	5.0	24	18.0
24	3.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0	4.0	3.0	2.0	11.0	AV	.0	5.0	4.0	4.0	5.0	4.0	2.0	3.0	3.0	3.0	23	11.0
25	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	4.0	5.0	6.0	6.0	7.0	24	7.0
26	5.0	7.0	8.0	8.0	11.0	12.0	13.0	14.0	7.0	2.0	3.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0	7.0	17.0	14.0	15.0	15.0	15.0	24	17.0
27	17.0	14.0	7.0	9.0	18.0	19.0	25.0	29.0	31.0	30.0	27.0	22.0	18.0	23.0	17.0	11.0	11.0	14.0	18.0	21.0	16.0	12.0	12.0	12.0	24	31.0
28	12.0	15.0	17.0	18.0	20.0	16.0	16.0	15.0	11.0	5.0	6.0	4.0	5.0	4.0	5.0	5.0	5.0	6.0	12.0	12.0	18.0	13.0	11.0	10.0	24	20.0
29	10.0	6.0	6.0	8.0	9.0	9.0	9.0	14.0	12.0	12.0	9.0	10.0	9.0	8.0	6.0	7.0	6.0	4.0	4.0	3.0	2.0	3.0	2.0	2.0	24	14.0
30																									0	
31																									0	
NO.:	29	29	29	29	29	29	29	29	29	29	29	27	27	28	29	29	29	29	29	29	29	29	29	29		
MAX:	25.0	30.0	31.0	32.0	25.0	25.0	29.0	30.0	31.0	30.0	27.0	22.0	18.0	23.0	17.0	19.0	21.0	21.0	26.0	36.0	46.0	42.0	37.0	31.0		
AVG:	11.17	10.00	9.38	9.34	10.45	11.90	13.72	16.00	14.14	9.14	6.62	5.19	5.22	5.18	5.00	5.93	6.62	8.14	13.76	16.00	16.24	16.07	14.38	12.93		

MONTHLY OBSERVATIONS: 691 MONTHLY MEAN: 10.56 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 2012

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	2.0	3.0	4.0	4.0	7.0	9.0	7.0	7.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	7.0	12.0	20.0	32.0	27.0	36.0	34.0	24	36.0
2	22.0	13.0	6.0	7.0	6.0	7.0	7.0	7.0	7.0	6.0	5.0	8.0	11.0	12.0	12.0	13.0	15.0	15.0	12.0	15.0	17.0	13.0	12.0	7.0	24	22.0
3	10.0	7.0	6.0	5.0	7.0	9.0	5.0	6.0	7.0	5.0	2.0	2.0	3.0	2.0	1.0	2.0	4.0	7.0	15.0	11.0	14.0	9.0	9.0	6.0	24	15.0
4	7.0	6.0	9.0	6.0	3.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	2.0	3.0	7.0	11.0	9.0	14.0	16.0	24	16.0
5	13.0	14.0	13.0	15.0	11.0	12.0	11.0	13.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	7.0	9.0	12.0	13.0	7.0	8.0	24	15.0
6	6.0	5.0	8.0	11.0	10.0	9.0	14.0	15.0	9.0	5.0	5.0	BF	BF	7.0	5.0	4.0	4.0	5.0	8.0	18.0	25.0	17.0	17.0	22.0	22	25.0
7	14.0	6.0	8.0	9.0	5.0	17.0	25.0	32.0	29.0	15.0	5.0	4.0	BC	BC	BC	4.0	5.0	7.0	10.0	8.0	5.0	4.0	5.0	3.0	21	32.0
8	5.0	5.0	4.0	2.0	2.0	4.0	7.0	16.0	13.0	7.0	5.0	5.0	6.0	6.0	3.0	2.0	4.0	6.0	11.0	14.0	20.0	12.0	8.0	4.0	24	20.0
9	2.0	3.0	5.0	5.0	5.0	4.0	9.0	11.0	9.0	4.0	2.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	7.0	15.0	26.0	28.0	34.0	31.0	24	34.0
10	20.0	5.0	2.0	2.0	2.0	2.0	2.0	3.0	1.0	1.0	1.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	7.0	16.0	13.0	16.0	11.0	8.0	24	20.0
11	8.0	9.0	18.0	9.0	17.0	7.0	16.0	12.0	8.0	4.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	3.0	12.0	19.0	20.0	24.0	22.0	14.0	24	24.0
12	17.0	14.0	10.0	6.0	7.0	19.0	21.0	18.0	17.0	7.0	3.0	2.0	2.0	6.0	5.0	4.0	4.0	4.0	11.0	14.0	14.0	8.0	4.0	4.0	24	21.0
13	3.0	3.0	3.0	2.0	3.0	5.0	8.0	11.0	8.0	5.0	4.0	3.0	1.0	1.0	2.0	2.0	3.0	3.0	6.0	9.0	9.0	9.0	6.0	7.0	24	11.0
14	6.0	6.0	12.0	10.0	9.0	18.0	24.0	25.0	19.0	10.0	5.0	2.0	1.0	1.0	1.0	2.0	3.0	6.0	13.0	39.0	41.0	50.0	31.0	20.0	24	50.0
15	14.0	12.0	12.0	16.0	18.0	27.0	33.0	30.0	21.0	14.0	11.0	8.0	3.0	1.0	4.0	6.0	7.0	8.0	6.0	10.0	11.0	12.0	9.0	10.0	24	33.0
16	8.0	9.0	10.0	15.0	13.0	18.0	20.0	20.0	22.0	23.0	14.0	11.0	8.0	4.0	3.0	2.0	2.0	4.0	14.0	9.0	2.0	7.0	15.0	18.0	24	23.0
17	11.0	11.0	14.0	20.0	19.0	14.0	14.0	8.0	3.0	2.0	1.0	1.0	.0	.0	.0	1.0	2.0	5.0	5.0	6.0	6.0	7.0	6.0	7.0	24	20.0
18	5.0	5.0	4.0	4.0	2.0	2.0	2.0	3.0	2.0	1.0	1.0	2.0	2.0	4.0	2.0	2.0	1.0	2.0	5.0	10.0	13.0	10.0	10.0	9.0	24	13.0
19	5.0	5.0	5.0	18.0	12.0	7.0	12.0	15.0	15.0	11.0	BF	1.0	1.0	2.0	3.0	4.0	4.0	4.0	10.0	17.0	16.0	14.0	12.0	12.0	23	18.0
20	7.0	6.0	6.0	6.0	6.0	11.0	17.0	18.0	12.0	12.0	10.0	7.0	3.0	3.0	2.0	2.0	3.0	3.0	4.0	3.0	4.0	8.0	9.0	6.0	24	18.0
21	4.0	7.0	10.0	9.0	5.0	8.0	14.0	19.0	16.0	11.0	6.0	6.0	5.0	3.0	4.0	3.0	2.0	2.0	7.0	14.0	14.0	8.0	5.0	4.0	24	19.0
22	4.0	6.0	6.0	4.0	5.0	14.0	20.0	14.0	11.0	7.0	3.0	4.0	4.0	4.0	3.0	2.0	1.0	3.0	11.0	31.0	33.0	35.0	40.0	19.0	24	40.0
23	13.0	14.0	12.0	12.0	12.0	19.0	23.0	18.0	12.0	6.0	3.0	3.0	2.0	2.0	3.0	2.0	3.0	5.0	6.0	5.0	5.0	9.0	8.0	7.0	24	23.0
24	5.0	5.0	4.0	5.0	4.0	5.0	5.0	5.0	5.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	4.0	4.0	5.0	3.0	3.0	3.0	1.0	1.0	24	5.0
25	1.0	1.0	.0	.0	.0	.0	1.0	4.0	3.0	3.0	4.0	1.0	1.0	.0	1.0	2.0	2.0	3.0	7.0	7.0	5.0	5.0	6.0	5.0	24	7.0
26	7.0	7.0	6.0	4.0	8.0	15.0	8.0	7.0	4.0	2.0	2.0	3.0	3.0	3.0	4.0	5.0	4.0	6.0	19.0	16.0	3.0	4.0	2.0	1.0	24	19.0
27	1.0	1.0	1.0	1.0	2.0	5.0	6.0	4.0	2.0	1.0	1.0	2.0	3.0	5.0	5.0	4.0	3.0	4.0	10.0	23.0	24.0	17.0	14.0	11.0	24	24.0
28	11.0	6.0	4.0	4.0	6.0	8.0	9.0	11.0	9.0	7.0	6.0	4.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	7.0	7.0	10.0	8.0	7.0	24	11.0
29	5.0	4.0	7.0	4.0	12.0	20.0	35.0	18.0	6.0	2.0	3.0	3.0	2.0	3.0	3.0	2.0	3.0	4.0	10.0	13.0	19.0	18.0	21.0	19.0	24	35.0
30	16.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	10.0	16.0	19.0	8.0	5.0	5.0	24	19.0
31	5.0	3.0	3.0	2.0	2.0	3.0	5.0	6.0	5.0	3.0	1.0	1.0	.0	1.0	1.0	2.0	2.0	2.0	8.0	9.0	10.0	5.0	4.0	4.0	24	10.0
NO.:	31	31	31	31	31	31	31	31	31	31	30	30	29	30	30	31	31	31	31	31	31	31	31	31		
MAX:	22.0	14.0	18.0	20.0	19.0	27.0	35.0	32.0	29.0	23.0	14.0	11.0	11.0	12.0	12.0	13.0	15.0	15.0	19.0	39.0	41.0	50.0	40.0	34.0		
AVG:	8.29	6.55	6.87	7.06	7.10	9.58	12.39	12.35	9.52	6.19	3.90	3.40	2.83	2.97	2.93	3.10	3.48	4.65	8.94	13.32	14.61	13.52	12.61	10.61		

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 7.82 MONTHLY MAX: 50.0

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 2012

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	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	4.0	8.0	7.0	5.0	7.0	4.0	3.0	24	8.0
2	2.0	2.0	3.0	4.0	11.0	11.0	9.0	10.0	9.0	BF	BF	2.0	2.0	2.0	1.0	1.0	2.0	2.0	7.0	14.0	16.0	18.0	14.0	8.0	22	18.0
3	4.0	4.0	3.0	4.0	4.0	14.0	14.0	14.0	18.0	7.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	6.0	5.0	7.0	8.0	8.0	9.0	4.0	24	18.0
4	3.0	2.0	3.0	4.0	5.0	5.0	14.0	18.0	12.0	7.0	4.0	1.0	1.0	1.0	2.0	5.0	5.0	6.0	10.0	6.0	6.0	20.0	17.0	13.0	24	20.0
5	13.0	13.0	14.0	10.0	11.0	9.0	4.0	3.0	4.0	8.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0	4.0	13.0	3.0	2.0	5.0	3.0	3.0	24	14.0
6	5.0	5.0	1.0	2.0	3.0	4.0	2.0	3.0	10.0	7.0	5.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	9.0	9.0	29.0	12.0	13.0	24	29.0
7	27.0	19.0	14.0	14.0	13.0	14.0	12.0	5.0	1.0	1.0	1.0	1.0	.0	.0	.0	1.0	1.0	2.0	5.0	9.0	9.0	19.0	13.0	17.0	24	27.0
8	20.0	12.0	13.0	13.0	11.0	13.0	13.0	13.0	7.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	5.0	3.0	7.0	2.0	2.0	24	20.0
9	1.0	1.0	1.0	4.0	5.0	15.0	29.0	26.0	5.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	4.0	3.0	2.0	3.0	3.0	5.0	3.0	3.0	24	29.0
10	2.0	2.0	3.0	9.0	18.0	24.0	24.0	19.0	12.0	6.0	3.0	2.0	2.0	3.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	8.0	6.0	2.0	24	24.0
11	2.0	2.0	3.0	6.0	6.0	9.0	21.0	9.0	3.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	9.0	9.0	6.0	7.0	24	21.0
12	6.0	5.0	9.0	6.0	5.0	9.0	17.0	7.0	4.0	2.0	1.0	BF	BF	.0	1.0	1.0	2.0	3.0	7.0	21.0	17.0	28.0	29.0	21.0	22	29.0
13	21.0	17.0	13.0	10.0	9.0	9.0	5.0	2.0	1.0	2.0	3.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	8.0	12.0	22.0	29.0	26.0	22.0	24	29.0
14	20.0	20.0	14.0	16.0	17.0	16.0	16.0	13.0	7.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	10.0	16.0	9.0	7.0	5.0	24	20.0
15	3.0	3.0	3.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	1.0	1.0	1.0	.0	1.0	1.0	1.0	2.0	3.0	5.0	7.0	11.0	6.0	3.0	24	11.0
16	2.0	2.0	2.0	2.0	3.0	4.0	6.0	6.0	5.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	6.0	5.0	8.0	6.0	6.0	24	8.0
17	5.0	5.0	6.0	7.0	7.0	16.0	23.0	16.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0	3.0	3.0	6.0	3.0	5.0	24	23.0
18	4.0	1.0	1.0	2.0	2.0	1.0	2.0	4.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	24	4.0
19	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	4.0	6.0	5.0	8.0	8.0	10.0	24	10.0
20	19.0	18.0	17.0	11.0	11.0	13.0	13.0	16.0	10.0	7.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	6.0	14.0	20.0	13.0	16.0	9.0	24	20.0
21	8.0	6.0	4.0	5.0	5.0	7.0	10.0	6.0	5.0	2.0	1.0	1.0	.0	.0	1.0	1.0	4.0	5.0	6.0	5.0	5.0	6.0	4.0	4.0	24	10.0
22	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	1.0	.0	.0	1.0	3.0	2.0	3.0	4.0	2.0	2.0	1.0	24	4.0
23	2.0	1.0	1.0	1.0	2.0	2.0	3.0	2.0	1.0	1.0	1.0	3.0	2.0	1.0	1.0	2.0	2.0	3.0	5.0	8.0	11.0	13.0	10.0	9.0	24	13.0
24	9.0	5.0	7.0	10.0	20.0	25.0	21.0	13.0	5.0	2.0	2.0	1.0	3.0	3.0	2.0	2.0	2.0	3.0	4.0	9.0	9.0	15.0	14.0	18.0	24	25.0
25	25.0	21.0	5.0	3.0	3.0	10.0	18.0	26.0	26.0	22.0	9.0	3.0	2.0	2.0	2.0	3.0	2.0	3.0	6.0	15.0	12.0	10.0	7.0	8.0	24	26.0
26	6.0	4.0	3.0	2.0	3.0	15.0	20.0	11.0	16.0	20.0	BF	BF	4.0	2.0	3.0	3.0	3.0	4.0	5.0	7.0	8.0	6.0	7.0	5.0	22	20.0
27	4.0	3.0	3.0	6.0	7.0	9.0	20.0	11.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0	7.0	13.0	12.0	9.0	6.0	5.0	24	20.0
28	4.0	4.0	5.0	4.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	8.0	8.0	7.0	24	8.0
29	6.0	6.0	6.0	4.0	3.0	3.0	4.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0	5.0	6.0	4.0	4.0	24	6.0
30	4.0	3.0	3.0	3.0	3.0	4.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	4.0	4.0	3.0	24	6.0
31																									0	
NO.:	30	30	30	30	30	30	30	30	30	29	28	28	29	30	30	30	30	30	30	30	30	30	30	30		
MAX:	27.0	21.0	17.0	16.0	20.0	25.0	29.0	26.0	26.0	22.0	9.0	3.0	4.0	3.0	4.0	5.0	5.0	6.0	13.0	21.0	22.0	29.0	29.0	22.0		
AVG:	7.73	6.33	5.47	5.57	6.47	8.97	11.17	9.00	6.00	4.34	2.25	1.68	1.69	1.40	1.70	1.97	2.37	3.07	4.93	7.13	8.03	10.93	8.60	7.37		

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 5.62 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)

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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 2012

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	3.0	3.0	2.0	3.0	4.0	6.0	7.0	4.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	8.0	7.0	9.0	10.0	17.0	29.0	23.0	12.0	24	29.0
2	8.0	7.0	8.0	7.0	6.0	9.0	10.0	8.0	6.0	5.0	5.0	3.0	1.0	1.0	2.0	4.0	6.0	9.0	8.0	16.0	18.0	10.0	8.0	7.0	24	18.0
3	7.0	7.0	9.0	13.0	12.0	19.0	16.0	12.0	10.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0	4.0	4.0	11.0	17.0	7.0	9.0	9.0	8.0	24	19.0
4	8.0	10.0	12.0	8.0	10.0	12.0	15.0	12.0	9.0	5.0	4.0	2.0	1.0	2.0	3.0	3.0	4.0	3.0	5.0	8.0	8.0	14.0	18.0	20.0	24	20.0
5	22.0	16.0	10.0	8.0	8.0	11.0	12.0	7.0	4.0	4.0	3.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	5.0	4.0	3.0	2.0	2.0	24	22.0
6	1.0	1.0	1.0	1.0	2.0	.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	1.0	5.0	5.0	8.0	4.0	4.0	24	8.0
7	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	7.0	8.0	9.0	5.0	3.0	24	9.0
8	2.0	1.0	3.0	.0	1.0	4.0	5.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	6.0	5.0	7.0	5.0	3.0	24	7.0
9	4.0	3.0	1.0	1.0	2.0	4.0	7.0	9.0	7.0	10.0	7.0	6.0	4.0	7.0	4.0	2.0	1.0	2.0	4.0	8.0	6.0	12.0	8.0	5.0	24	12.0
10	4.0	4.0	4.0	8.0	10.0	12.0	15.0	6.0	3.0	2.0	BF	BF	2.0	3.0	3.0	5.0	4.0	3.0	4.0	9.0	10.0	7.0	6.0	2.0	22	15.0
11	2.0	1.0	9.0	15.0	16.0	18.0	19.0	12.0	1.0	3.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	6.0	17.0	23.0	22.0	25.0	19.0	24	25.0
12	12.0	17.0	16.0	18.0	20.0	13.0	19.0	10.0	5.0	5.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0	7.0	12.0	10.0	11.0	22.0	24	22.0
13	23.0	17.0	13.0	10.0	7.0	7.0	7.0	5.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0	5.0	5.0	2.0	.0	.0	24	23.0
14	.0	.0	.0	.0	.0	1.0	2.0	4.0	5.0	6.0	6.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	6.0	4.0	4.0	24	6.0
15	6.0	7.0	5.0	3.0	5.0	8.0	12.0	14.0	9.0	9.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	10.0	15.0	19.0	16.0	7.0	24	19.0
16	5.0	5.0	8.0	6.0	5.0	15.0	13.0	10.0	8.0	5.0	1.0	1.0	.0	.0	2.0	2.0	4.0	3.0	4.0	7.0	13.0	19.0	25.0	29.0	24	29.0
17	22.0	17.0	15.0	14.0	10.0	9.0	9.0	7.0	2.0	4.0	5.0	2.0	1.0	.0	1.0	1.0	1.0	1.0	3.0	4.0	3.0	3.0	3.0	4.0	24	22.0
18	3.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	1.0	3.0	3.0	2.0	4.0	3.0	3.0	3.0	4.0	7.0	6.0	6.0	5.0	4.0	24	7.0
19	2.0	2.0	2.0	2.0	1.0	5.0	3.0	2.0	7.0	1.0	1.0	2.0	3.0	3.0	2.0	3.0	4.0	2.0	5.0	7.0	6.0	14.0	9.0	9.0	24	14.0
20	4.0	2.0	3.0	3.0	2.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	9.0	9.0	8.0	4.0	4.0	24	9.0
21	3.0	3.0	3.0	4.0	18.0	16.0	15.0	11.0	6.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	5.0	10.0	8.0	5.0	5.0	6.0	6.0	7.0	24	18.0
22	5.0	6.0	8.0	13.0	16.0	16.0	12.0	15.0	11.0	4.0	2.0	3.0	4.0	5.0	3.0	3.0	2.0	2.0	3.0	4.0	2.0	6.0	4.0	7.0	24	16.0
23	4.0	2.0	2.0	2.0	3.0	8.0	9.0	5.0	5.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0	5.0	6.0	7.0	8.0	24	9.0
24	5.0	4.0	5.0	4.0	4.0	6.0	6.0	7.0	7.0	8.0	BF	BF	4.0	3.0	3.0	2.0	3.0	4.0	6.0	11.0	12.0	12.0	9.0	9.0	22	12.0
25	7.0	5.0	4.0	4.0	4.0	6.0	8.0	6.0	4.0	3.0	3.0	2.0	1.0	.0	1.0	2.0	1.0	2.0	4.0	7.0	11.0	17.0	15.0	10.0	24	17.0
26	13.0	9.0	5.0	4.0	4.0	3.0	3.0	3.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0	6.0	7.0	7.0	6.0	24	13.0
27	5.0	4.0	4.0	3.0	3.0	3.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0	7.0	9.0	8.0	6.0	24	9.0
28	6.0	4.0	3.0	3.0	2.0	3.0	2.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	5.0	9.0	7.0	3.0	24	9.0
29	3.0	5.0	3.0	3.0	4.0	6.0	5.0	3.0	2.0	2.0	1.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	8.0	5.0	24	8.0
30	9.0	8.0	2.0	1.0	1.0	4.0	4.0	4.0	1.0	1.0	1.0	.0	.0	1.0	1.0	1.0	1.0	1.0	3.0	15.0	26.0	25.0	18.0	13.0	24	26.0
31	15.0	6.0	7.0	7.0	9.0	15.0	20.0	18.0	7.0	4.0	4.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	7.0	7.0	7.0	24	20.0
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:	23.0	17.0	16.0	18.0	20.0	19.0	20.0	18.0	11.0	10.0	7.0	6.0	4.0	7.0	4.0	5.0	8.0	10.0	11.0	17.0	26.0	29.0	25.0	29.0		
AVG:	6.97	5.84	5.55	5.58	6.23	7.94	8.58	6.71	4.39	3.58	2.59	1.93	1.65	1.61	1.74	1.81	2.35	2.68	4.19	7.45	8.65	10.48	9.23	8.03		

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 5.26 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 2012

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	3.0	2.0	2.0	3.0	3.0	4.0	3.0	4.0	3.0	AZ	AZ	AZ	AZ	AZ	AZ	4.0	3.0	3.0	5.0	6.0	13.0	8.0	6.0	18	13.0
2	5.0	6.0	4.0	3.0	2.0	5.0	3.0	1.0	2.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	7.0	16.0	33.0	22.0	29.0	24	33.0
3	17.0	13.0	12.0	10.0	9.0	10.0	6.0	3.0	2.0	1.0	1.0	.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	6.0	9.0	18.0	16.0	17.0	24	18.0
4	12.0	12.0	9.0	6.0	8.0	19.0	14.0	11.0	4.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	6.0	6.0	5.0	4.0	2.0	24	19.0
5	1.0	4.0	5.0	2.0	2.0	4.0	3.0	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	3.0	5.0	2.0	3.0	2.0	1.0	24	5.0
6	1.0	1.0	.0	1.0	1.0	2.0	3.0	5.0	BC	BC	BC	BC	4.0	4.0	7.0	6.0	4.0	5.0	7.0	10.0	15.0	17.0	11.0	9.0	20	17.0
7	11.0	18.0	13.0	7.0	6.0	8.0	9.0	BF	BF	BF	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	10.0	18.0	24.0	23.0	25.0	21	25.0
8	12.0	7.0	14.0	27.0	21.0	18.0	26.0	20.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	13.0	21.0	26.0	27.0	24.0	24	27.0
9	25.0	31.0	25.0	24.0	20.0	16.0	12.0	15.0	10.0	7.0	5.0	5.0	4.0	5.0	5.0	AV	4.0	6.0	8.0	14.0	17.0	23.0	22.0	14.0	23	31.0
10	10.0	12.0	9.0	9.0	11.0	13.0	12.0	8.0	6.0	5.0	4.0	4.0	6.0	4.0	4.0	4.0	4.0	6.0	7.0	8.0	8.0	10.0	9.0	5.0	24	13.0
11	4.0	4.0	4.0	4.0	6.0	7.0	7.0	8.0	7.0	5.0	6.0	5.0	5.0	4.0	4.0	5.0	8.0	5.0	5.0	5.0	4.0	6.0	4.0	4.0	24	8.0
12	5.0	5.0	4.0	6.0	8.0	9.0	9.0	9.0	8.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	7.0	12.0	11.0	8.0	5.0	10.0	24	12.0
13	12.0	9.0	5.0	7.0	8.0	9.0	17.0	13.0	5.0	5.0	4.0	4.0	5.0	5.0	4.0	5.0	6.0	5.0	6.0	7.0	11.0	8.0	7.0	7.0	24	17.0
14	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	6.0	7.0	7.0	7.0	24	7.0
15	7.0	6.0	6.0	5.0	5.0	6.0	7.0	6.0	7.0	4.0	5.0	5.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	8.0	13.0	10.0	10.0	7.0	24	13.0
16	6.0	6.0	6.0	6.0	5.0	6.0	5.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0	8.0	10.0	10.0	8.0	8.0	24	10.0
17	7.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	6.0	7.0	7.0	9.0	10.0	9.0	9.0	24	10.0
18	7.0	8.0	8.0	8.0	6.0	8.0	17.0	14.0	10.0	10.0	8.0	6.0	5.0	5.0	5.0	5.0	5.0	7.0	9.0	11.0	11.0	18.0	15.0	10.0	24	18.0
19	8.0	8.0	8.0	9.0	10.0	12.0	14.0	14.0	11.0	8.0	7.0	6.0	6.0	5.0	6.0	7.0	12.0	11.0	11.0	15.0	17.0	22.0	27.0	22.0	24	27.0
20	23.0	22.0	18.0	19.0	20.0	19.0	18.0	15.0	10.0	9.0	6.0	5.0	4.0	4.0	6.0	6.0	7.0	6.0	8.0	11.0	23.0	36.0	35.0	14.0	24	36.0
21	8.0	8.0	9.0	13.0	14.0	23.0	19.0	19.0	20.0	BF	BF	5.0	5.0	5.0	5.0	5.0	6.0	6.0	7.0	10.0	14.0	15.0	19.0	15.0	22	23.0
22	11.0	13.0	11.0	13.0	11.0	14.0	14.0	10.0	9.0	9.0	7.0	7.0	6.0	6.0	11.0	7.0	11.0	17.0	20.0	15.0	11.0	14.0	12.0	12.0	24	20.0
23	11.0	9.0	15.0	14.0	12.0	11.0	12.0	6.0	6.0	5.0	6.0	7.0	4.0	5.0	5.0	5.0	5.0	5.0	6.0	10.0	11.0	13.0	12.0	14.0	24	15.0
24	13.0	11.0	12.0	10.0	7.0	6.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	9.0	7.0	7.0	8.0	24	13.0
25	10.0	8.0	7.0	8.0	11.0	13.0	12.0	11.0	7.0	6.0	5.0	5.0	4.0	5.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	5.0	24	13.0
26	7.0	8.0	6.0	7.0	7.0	7.0	7.0	6.0	5.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	5.0	7.0	6.0	8.0	8.0	13.0	16.0	13.0	24	16.0
27	6.0	5.0	5.0	5.0	5.0	7.0	10.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	9.0	16.0	30.0	28.0	18.0	24	30.0
28	12.0	15.0	13.0	19.0	27.0	26.0	16.0	13.0	10.0	10.0	9.0	7.0	6.0	6.0	6.0	6.0	7.0	8.0	8.0	10.0	10.0	11.0	10.0	11.0	24	27.0
29	10.0	11.0	12.0	15.0	20.0	27.0	21.0	31.0	29.0	10.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	7.0	10.0	14.0	12.0	5.0	6.0	24	31.0
30	9.0	11.0	9.0	9.0	10.0	12.0	10.0	12.0	8.0	7.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	18.0	7.0	6.0	12.0	24	18.0
31																									0	
NO.:	30	30	30	30	30	30	30	29	28	27	27	28	29	29	29	28	30	30	30	30	30	30	30	30		
MAX:	25.0	31.0	25.0	27.0	27.0	27.0	26.0	31.0	29.0	10.0	9.0	7.0	6.0	6.0	11.0	7.0	12.0	17.0	20.0	15.0	23.0	36.0	35.0	29.0		
AVG:	9.40	9.60	8.83	9.37	9.53	11.00	10.80	9.72	7.64	5.37	4.74	4.43	4.10	4.03	4.38	4.32	4.93	5.50	6.37	8.80	11.67	14.50	13.07	11.47		

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: 8.13 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: 37-067-0022 POC: 1
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CITY: (75000) Winston-Salem
SITE ADDRESS: 1300 BLK. HATTIE AVENUE
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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 2012

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	15.0	9.0	13.0	21.0	15.0	15.0	13.0	9.0	8.0	10.0	AV	6.0	6.0	6.0	6.0	5.0	5.0	6.0	8.0	10.0	12.0	15.0	6.0	7.0	23	21.0
2	8.0	6.0	AV	AV	AV	AV	AV	AV	AV	AV	AV	5.0	6.0	5.0	5.0	6.0	6.0	7.0	8.0	13.0	20.0	29.0	35.0	34.0	15	35.0
3	34.0	28.0	26.0	25.0	25.0	24.0	23.0	29.0	24.0	7.0	9.0	9.0	6.0	6.0	7.0	9.0	10.0	8.0	9.0	10.0	12.0	14.0	13.0	15.0	24	34.0
4	13.0	11.0	10.0	12.0	11.0	14.0	11.0	8.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	8.0	10.0	12.0	9.0	24	14.0
5	8.0	8.0	8.0	9.0	12.0	11.0	10.0	11.0	8.0	BF	BF	6.0	5.0	5.0	7.0	6.0	6.0	7.0	6.0	7.0	8.0	9.0	10.0	11.0	22	12.0
6	10.0	10.0	11.0	9.0	13.0	16.0	19.0	19.0	8.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	8.0	9.0	9.0	17.0	26.0	19.0	14.0	24	26.0
7	11.0	11.0	15.0	16.0	16.0	11.0	10.0	7.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0	5.0	6.0	8.0	9.0	15.0	10.0	9.0	24	16.0
8	8.0	8.0	8.0	8.0	8.0	7.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	8.0	7.0	9.0	9.0	8.0	24	9.0
9	8.0	7.0	6.0	8.0	14.0	11.0	14.0	17.0	AV	AV	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.0	7.0	6.0	22	17.0
10	6.0	8.0	7.0	8.0	13.0	10.0	7.0	6.0	7.0	7.0	6.0	6.0	6.0	7.0	9.0	7.0	7.0	8.0	8.0	9.0	9.0	14.0	12.0	15.0	24	15.0
11	18.0	13.0	6.0	6.0	5.0	7.0	10.0	8.0	6.0	5.0	5.0	7.0	6.0	6.0	6.0	6.0	6.0	7.0	6.0	6.0	9.0	5.0	6.0	6.0	24	18.0
12	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	6.0	5.0	5.0	5.0	5.0	6.0	5.0	6.0	7.0	7.0	8.0	11.0	10.0	9.0	10.0	24	11.0
13	9.0	7.0	6.0	7.0	7.0	9.0	12.0	8.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	5.0	9.0	8.0	10.0	10.0	12.0	17.0	24	17.0
14	10.0	5.0	6.0	7.0	7.0	8.0	9.0	7.0	6.0	5.0	4.0	5.0	7.0	5.0	4.0	4.0	5.0	5.0	9.0	8.0	8.0	7.0	7.0	10.0	24	10.0
15	10.0	11.0	9.0	8.0	10.0	9.0	8.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	4.0	6.0	8.0	10.0	15.0	11.0	12.0	24	15.0
16	10.0	8.0	7.0	8.0	12.0	12.0	13.0	8.0	8.0	10.0	7.0	5.0	4.0	4.0	4.0	6.0	6.0	8.0	8.0	9.0	7.0	11.0	11.0	10.0	24	13.0
17	7.0	8.0	10.0	13.0	11.0	13.0	11.0	10.0	8.0	8.0	5.0	4.0	4.0	4.0	5.0	6.0	7.0	8.0	9.0	9.0	14.0	11.0	9.0	15.0	24	15.0
18	15.0	11.0	13.0	15.0	18.0	17.0	19.0	11.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	8.0	8.0	11.0	15.0	10.0	24	19.0
19	10.0	10.0	9.0	9.0	10.0	11.0	13.0	12.0	12.0	BF	BF	6.0	6.0	6.0	5.0	6.0	7.0	6.0	8.0	9.0	11.0	13.0	12.0	12.0	22	13.0
20	11.0	11.0	10.0	9.0	10.0	11.0	13.0	13.0	12.0	9.0	8.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	8.0	8.0	11.0	9.0	9.0	24	13.0
21	10.0	9.0	9.0	8.0	7.0	7.0	8.0	8.0	7.0	6.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	6.0	6.0	6.0	8.0	10.0	8.0	8.0	24	10.0
22	8.0	7.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	6.0	7.0	9.0	11.0	15.0	23.0	18.0	24	23.0
23	17.0	14.0	13.0	14.0	14.0	13.0	12.0	10.0	9.0	6.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0	6.0	7.0	7.0	8.0	10.0	10.0	8.0	24	17.0
24	8.0	7.0	8.0	8.0	12.0	13.0	16.0	10.0	6.0	5.0	4.0	4.0	5.0	6.0	7.0	6.0	6.0	9.0	8.0	8.0	8.0	9.0	10.0	11.0	24	16.0
25	11.0	14.0	17.0	17.0	15.0	20.0	17.0	13.0	10.0	9.0	5.0	4.0	4.0	6.0	7.0	6.0	6.0	7.0	9.0	9.0	9.0	13.0	10.0	10.0	24	20.0
26	13.0	11.0	10.0	9.0	11.0	12.0	11.0	12.0	10.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	10.0	14.0	15.0	10.0	8.0	24	15.0
27	12.0	14.0	14.0	16.0	22.0	21.0	20.0	14.0	9.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	13.0	9.0	8.0	8.0	11.0	13.0	23.0	23.0	24	23.0
28	18.0	19.0	17.0	14.0	15.0	14.0	11.0	11.0	7.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	10.0	15.0	14.0	13.0	16.0	24	19.0
29	15.0	10.0	12.0	12.0	14.0	12.0	8.0	7.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	4.0	5.0	5.0	5.0	7.0	8.0	9.0	8.0	8.0	24	15.0
30	7.0	7.0	6.0	6.0	6.0	8.0	8.0	7.0	8.0	7.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	6.0	7.0	8.0	8.0	8.0	9.0	24	9.0
31	9.0	9.0	9.0	9.0	8.0	8.0	8.0	9.0	7.0	7.0	7.0	7.0	5.0	5.0	5.0	5.0	6.0	5.0	6.0	9.0	12.0	14.0	12.0	12.0	24	14.0
NO.:	31	31	30	30	30	30	30	30	29	27	27	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	34.0	28.0	26.0	25.0	25.0	24.0	23.0	29.0	24.0	10.0	9.0	9.0	7.0	7.0	9.0	9.0	13.0	9.0	9.0	13.0	20.0	29.0	35.0	34.0		
AVG:	11.45	10.23	10.23	10.73	11.73	11.83	11.77	10.27	8.07	6.41	5.26	5.13	4.90	4.94	5.23	5.29	5.90	6.23	7.00	8.29	10.16	12.35	11.90	11.94		

MONTHLY OBSERVATIONS: 728 MONTHLY MEAN: 8.65 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: 37-067-0022 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 2012

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	12.0	12.0	13.0	11.0	11.0	15.0	17.0	13.0	6.0	5.0	4.0	5.0	5.0	5.0	4.0	4.0	6.0	8.0	8.0	11.0	12.0	15.0	13.0	14.0	24	17.0
2	13.0	9.0	7.0	7.0	9.0	11.0	26.0	27.0	19.0	BF	BF	7.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	7.0	6.0	8.0	9.0	22	27.0
3	9.0	8.0	10.0	10.0	14.0	8.0	10.0	10.0	9.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0	7.0	6.0	7.0	10.0	12.0	9.0	6.0	24	14.0
4	5.0	5.0	7.0	9.0	9.0	10.0	9.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	7.0	8.0	6.0	5.0	24	10.0
5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	5.0	7.0	7.0	12.0	8.0	8.0	24	12.0
6	6.0	6.0	6.0	6.0	7.0	9.0	9.0	9.0	6.0	7.0	7.0	6.0	7.0	6.0	5.0	4.0	5.0	6.0	8.0	10.0	5.0	6.0	8.0	8.0	24	10.0
7	8.0	8.0	8.0	8.0	9.0	11.0	11.0	12.0	10.0	9.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0	7.0	9.0	8.0	12.0	13.0	9.0	7.0	24	13.0
8	9.0	10.0	10.0	9.0	10.0	12.0	16.0	15.0	11.0	7.0	7.0	7.0	6.0	7.0	7.0	5.0	6.0	9.0	11.0	11.0	9.0	14.0	16.0	15.0	24	16.0
9	15.0	14.0	12.0	13.0	11.0	13.0	14.0	13.0	11.0	8.0	7.0	6.0	5.0	6.0	6.0	6.0	6.0	5.0	6.0	7.0	8.0	8.0	7.0	7.0	24	15.0
10	6.0	6.0	7.0	6.0	6.0	7.0	9.0	10.0	9.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	12.0	11.0	8.0	7.0	6.0	24	12.0
11	7.0	6.0	6.0	9.0	8.0	9.0	11.0	11.0	8.0	6.0	6.0	6.0	6.0	4.0	5.0	5.0	6.0	5.0	8.0	7.0	6.0	7.0	7.0	9.0	24	11.0
12	10.0	7.0	9.0	7.0	7.0	13.0	9.0	5.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	4.0	4.0	5.0	15.0	14.0	18.0	14.0	14.0	24	18.0
13	11.0	12.0	9.0	6.0	6.0	7.0	8.0	7.0	7.0	8.0	5.0	5.0	4.0	4.0	5.0	5.0	5.0	6.0	10.0	14.0	16.0	16.0	19.0	20.0	24	20.0
14	12.0	12.0	14.0	13.0	12.0	21.0	23.0	21.0	18.0	11.0	7.0	6.0	5.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	13.0	13.0	24	23.0
15	12.0	11.0	14.0	15.0	15.0	12.0	16.0	14.0	16.0	BF	BF	7.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	10.0	13.0	10.0	11.0	10.0	22	16.0
16	9.0	9.0	9.0	9.0	12.0	14.0	17.0	17.0	6.0	4.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	5.0	8.0	15.0	19.0	19.0	18.0	24.0	24	24.0
17	26.0	24.0	21.0	23.0	23.0	24.0	22.0	16.0	15.0	8.0	6.0	6.0	5.0	5.0	5.0	7.0	11.0	12.0	11.0	18.0	18.0	10.0	9.0	10.0	24	26.0
18	9.0	8.0	8.0	10.0	9.0	8.0	8.0	6.0	6.0	5.0	7.0	4.0	5.0	4.0	4.0	4.0	6.0	7.0	8.0	13.0	20.0	15.0	15.0	14.0	24	20.0
19	13.0	9.0	8.0	5.0	4.0	4.0	5.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	4.0	4.0	5.0	5.0	5.0	4.0	24	13.0
20	4.0	4.0	4.0	4.0	4.0	5.0	6.0	6.0	5.0	5.0	4.0	4.0	3.0	4.0	6.0	6.0	7.0	7.0	10.0	14.0	10.0	6.0	6.0	6.0	24	14.0
21	5.0	13.0	17.0	13.0	15.0	22.0	15.0	10.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	8.0	11.0	15.0	15.0	12.0	8.0	24	22.0
22	8.0	8.0	8.0	8.0	6.0	7.0	7.0	8.0	6.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	5.0	5.0	7.0	8.0	7.0	9.0	8.0	6.0	24	9.0
23	5.0	5.0	5.0	6.0	5.0	5.0	6.0	5.0	6.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	8.0	12.0	16.0	13.0	14.0	16.0	24	16.0
24	13.0	7.0	6.0	7.0	7.0	8.0	8.0	7.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	4.0	5.0	7.0	10.0	9.0	10.0	10.0	9.0	24	13.0
25	8.0	8.0	7.0	7.0	5.0	9.0	11.0	8.0	6.0	7.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	7.0	8.0	15.0	16.0	24	16.0
26	8.0	7.0	7.0	7.0	6.0	8.0	9.0	8.0	6.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	8.0	9.0	10.0	9.0	7.0	24	10.0
27	8.0	9.0	8.0	5.0	6.0	7.0	9.0	8.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	7.0	16.0	24.0	29.0	18.0	12.0	24	29.0
28	9.0	8.0	7.0	7.0	7.0	10.0	12.0	12.0	10.0	9.0	7.0	5.0	4.0	4.0	6.0	5.0	5.0	6.0	8.0	6.0	5.0	7.0	8.0	7.0	24	12.0
29	7.0	5.0	6.0	6.0	7.0	9.0	8.0	7.0	6.0	7.0	BF	BF	4.0	4.0	5.0	4.0	5.0	6.0	8.0	12.0	15.0	13.0	10.0	9.0	22	15.0
30	10.0	11.0	8.0	9.0	8.0	9.0	10.0	12.0	11.0	9.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	6.0	7.0	9.0	9.0	9.0	8.0	7.0	24	12.0
31	7.0	8.0	8.0	8.0	8.0	8.0	9.0	8.0	7.0	5.0	4.0	5.0	4.0	4.0	4.0	4.0	5.0	6.0	8.0	13.0	14.0	10.0	10.0	8.0	24	14.0
NO.:	31	31	31	31	31	31	31	31	31	29	28	30	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	26.0	24.0	21.0	23.0	23.0	24.0	26.0	27.0	19.0	11.0	8.0	7.0	7.0	7.0	7.0	7.0	11.0	12.0	11.0	18.0	24.0	29.0	19.0	24.0		
AVG:	9.35	8.87	8.87	8.68	8.77	10.35	11.48	10.39	8.29	6.31	5.46	5.10	4.68	4.61	4.81	4.87	5.26	5.81	7.35	10.19	11.19	11.26	10.65	10.13		

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 8.05 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: SEPTEMBER 2012

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	9.0	10.0	10.0	10.0	10.0	11.0	12.0	8.0	8.0	5.0	4.0	4.0	3.0	5.0	7.0	8.0	6.0	12.0	15.0	12.0	11.0	18.0	11.0	12.0	24	18.0
2	12.0	14.0	10.0	10.0	9.0	9.0	10.0	9.0	8.0	8.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	6.0	6.0	7.0	8.0	7.0	6.0	6.0	24	14.0
3	5.0	5.0	5.0	5.0	10.0	8.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0	5.0	5.0	4.0	5.0	6.0	9.0	10.0	9.0	8.0	7.0	5.0	24	10.0
4	5.0	4.0	5.0	6.0	7.0	9.0	11.0	11.0	8.0	9.0	7.0	6.0	5.0	5.0	5.0	7.0	5.0	8.0	9.0	10.0	8.0	7.0	6.0	7.0	24	11.0
5	6.0	6.0	5.0	6.0	6.0	9.0	11.0	11.0	9.0	8.0	BC	BC	BC	BC	4.0	4.0	4.0	5.0	6.0	7.0	10.0	7.0	7.0	8.0	20	11.0
6	7.0	7.0	7.0	6.0	6.0	10.0	12.0	11.0	9.0	8.0	7.0	4.0	4.0	4.0	3.0	3.0	4.0	6.0	4.0	5.0	5.0	5.0	5.0	5.0	24	12.0
7	5.0	6.0	5.0	5.0	5.0	7.0	16.0	15.0	13.0	10.0	5.0	5.0	4.0	3.0	3.0	4.0	5.0	11.0	14.0	14.0	10.0	7.0	9.0	8.0	24	16.0
8	11.0	11.0	7.0	7.0	8.0	9.0	10.0	10.0	8.0	6.0	4.0	4.0	4.0	4.0	6.0	8.0	8.0	6.0	6.0	10.0	6.0	8.0	7.0	6.0	24	11.0
9	3.0	3.0	5.0	5.0	5.0	5.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	9.0	28.0	22.0	14.0	10.0	24	28.0
10	6.0	5.0	6.0	13.0	17.0	18.0	18.0	16.0	17.0	5.0	2.0	2.0	3.0	3.0	3.0	4.0	3.0	6.0	15.0	17.0	18.0	14.0	8.0	5.0	24	18.0
11	4.0	3.0	3.0	3.0	4.0	5.0	9.0	8.0	7.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	12.0	23.0	20.0	12.0	13.0	14.0	24	23.0
12	12.0	8.0	6.0	6.0	7.0	9.0	BF	BF	9.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	3.0	5.0	8.0	15.0	16.0	14.0	14.0	12.0	22	16.0
13	9.0	10.0	10.0	8.0	6.0	6.0	10.0	9.0	5.0	3.0	5.0	8.0	4.0	2.0	3.0	3.0	3.0	5.0	12.0	17.0	24.0	15.0	17.0	14.0	24	24.0
14	11.0	6.0	5.0	5.0	5.0	6.0	9.0	7.0	AZ	AZ	AZ	AZ	AZ	4.0	5.0	5.0	5.0	6.0	14.0	24.0	31.0	20.0	24.0	27.0	19	31.0
15	29.0	21.0	21.0	15.0	9.0	9.0	11.0	11.0	6.0	4.0	5.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	11.0	9.0	11.0	10.0	7.0	5.0	24	29.0
16	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	4.0	5.0	5.0	5.0	4.0	4.0	24	5.0
17	4.0	5.0	5.0	5.0	5.0	7.0	11.0	11.0	11.0	9.0	8.0	8.0	10.0	9.0	10.0	6.0	5.0	6.0	7.0	5.0	5.0	6.0	4.0	3.0	24	11.0
18	2.0	2.0	3.0	3.0	4.0	5.0	6.0	7.0	5.0	5.0	4.0	5.0	4.0	7.0	6.0	6.0	8.0	8.0	12.0	14.0	17.0	12.0	8.0	5.0	24	17.0
19	4.0	2.0	2.0	2.0	3.0	3.0	5.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0	5.0	9.0	15.0	16.0	11.0	10.0	9.0	24	16.0
20	8.0	7.0	6.0	14.0	15.0	7.0	15.0	15.0	5.0	7.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	5.0	12.0	20.0	27.0	22.0	14.0	14.0	24	27.0
21	12.0	13.0	11.0	12.0	16.0	18.0	14.0	19.0	14.0	9.0	7.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0	20.0	20.0	11.0	8.0	11.0	11.0	24	20.0
22	8.0	7.0	7.0	6.0	5.0	6.0	8.0	7.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	5.0	7.0	10.0	11.0	10.0	16.0	10.0	12.0	24	16.0
23	6.0	7.0	11.0	8.0	9.0	4.0	8.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	9.0	8.0	8.0	6.0	3.0	3.0	24	11.0
24	3.0	3.0	2.0	2.0	3.0	5.0	17.0	15.0	3.0	2.0	2.0	2.0	3.0	2.0	3.0	3.0	5.0	7.0	15.0	24.0	29.0	18.0	16.0	15.0	24	29.0
25	14.0	10.0	14.0	11.0	12.0	15.0	15.0	11.0	22.0	15.0	6.0	4.0	4.0	4.0	5.0	5.0	7.0	7.0	15.0	25.0	21.0	12.0	11.0	8.0	24	25.0
26	7.0	7.0	6.0	7.0	8.0	15.0	24.0	21.0	16.0	9.0	7.0	5.0	4.0	4.0	5.0	4.0	5.0	8.0	17.0	28.0	38.0	29.0	23.0	19.0	24	38.0
27	9.0	8.0	9.0	11.0	16.0	18.0	18.0	21.0	23.0	19.0	AZ	AZ	4.0	4.0	4.0	6.0	7.0	9.0	19.0	28.0	33.0	19.0	20.0	20.0	22	33.0
28	22.0	19.0	21.0	15.0	19.0	21.0	19.0	13.0	20.0	21.0	16.0	8.0	5.0	5.0	6.0	17.0	12.0	14.0	20.0	22.0	17.0	23.0	16.0	18.0	24	23.0
29	18.0	15.0	10.0	7.0	8.0	9.0	10.0	6.0	5.0	8.0	5.0	5.0	6.0	5.0	4.0	4.0	6.0	6.0	7.0	5.0	6.0	11.0	16.0	7.0	24	18.0
30	3.0	4.0	4.0	3.0	2.0	2.0	3.0	2.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	6.0	7.0	17.0	19.0	15.0	11.0	10.0	11.0	24	19.0
31																									0	
NO.:	30	30	30	30	30	30	29	29	29	29	27	27	28	29	30	30	30	30	30	30	30	30	30	30		
MAX:	29.0	21.0	21.0	15.0	19.0	21.0	24.0	21.0	23.0	21.0	16.0	8.0	10.0	9.0	10.0	17.0	12.0	14.0	20.0	28.0	38.0	29.0	24.0	27.0		
AVG:	8.60	7.73	7.50	7.33	8.10	8.97	11.21	10.10	8.90	7.17	5.04	4.30	4.07	4.03	4.30	4.80	5.13	6.83	11.33	14.60	15.77	12.77	11.03	10.10		

MONTHLY OBSERVATIONS: 707 MONTHLY MEAN: 8.36 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 2012

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	9.0	8.0	6.0	5.0	6.0	8.0	10.0	11.0	12.0	6.0	9.0	7.0	6.0	5.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	24	12.0
2	3.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0	5.0	4.0	3.0	3.0	5.0	4.0	5.0	4.0	5.0	5.0	8.0	10.0	9.0	11.0	11.0	11.0	24	11.0
3	9.0	8.0	6.0	7.0	7.0	8.0	10.0	10.0	13.0	14.0	6.0	4.0	4.0	4.0	5.0	5.0	8.0	8.0	10.0	9.0	9.0	9.0	8.0	7.0	24	14.0
4	7.0	9.0	10.0	8.0	10.0	12.0	15.0	15.0	13.0	9.0	6.0	6.0	4.0	3.0	3.0	4.0	5.0	9.0	20.0	31.0	26.0	34.0	27.0	25.0	24	34.0
5	26.0	22.0	21.0	18.0	15.0	17.0	16.0	15.0	24.0	26.0	12.0	8.0	6.0	4.0	4.0	4.0	5.0	7.0	21.0	30.0	26.0	19.0	22.0	13.0	24	30.0
6	9.0	8.0	9.0	9.0	7.0	8.0	10.0	11.0	11.0	8.0	5.0	3.0	3.0	3.0	4.0	5.0	4.0	4.0	6.0	4.0	4.0	5.0	5.0	4.0	24	11.0
7	3.0	4.0	5.0	5.0	5.0	3.0	3.0	3.0	2.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	4.0	5.0	5.0	5.0	3.0	3.0	24	5.0
8	3.0	3.0	2.0	2.0	3.0	3.0	5.0	6.0	4.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	24	6.0
9	3.0	3.0	2.0	2.0	2.0	4.0	5.0	6.0	5.0	5.0	3.0	3.0	3.0	4.0	4.0	4.0	5.0	7.0	10.0	12.0	15.0	13.0	14.0	12.0	24	15.0
10	6.0	6.0	7.0	9.0	8.0	13.0	14.0	11.0	7.0	9.0	7.0	6.0	4.0	5.0	5.0	5.0	5.0	7.0	10.0	8.0	9.0	17.0	12.0	9.0	24	17.0
11	7.0	8.0	8.0	7.0	14.0	15.0	BF	BC	BC	BC	3.0	3.0	3.0	6.0	6.0	5.0	6.0	10.0	24.0	35.0	30.0	26.0	24.0	21.0	20	35.0
12	17.0	18.0	16.0	13.0	15.0	19.0	17.0	17.0	18.0	10.0	7.0	4.0	4.0	5.0	5.0	5.0	6.0	10.0	21.0	14.0	8.0	11.0	8.0	5.0	24	21.0
13	5.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	8.0	13.0	27.0	27.0	17.0	16.0	12.0	24	27.0
14	12.0	12.0	12.0	13.0	12.0	12.0	11.0	12.0	13.0	13.0	8.0	5.0	4.0	4.0	3.0	4.0	4.0	8.0	13.0	13.0	13.0	8.0	6.0	6.0	24	13.0
15	7.0	6.0	5.0	5.0	4.0	5.0	9.0	6.0	13.0	13.0	7.0	7.0	7.0	6.0	6.0	6.0	5.0	8.0	9.0	5.0	6.0	6.0	7.0	5.0	24	13.0
16	5.0	8.0	8.0	9.0	16.0	24.0	24.0	20.0	17.0	6.0	5.0	4.0	4.0	3.0	4.0	4.0	5.0	12.0	35.0	30.0	27.0	22.0	23.0	18.0	24	35.0
17	16.0	15.0	14.0	11.0	12.0	10.0	12.0	12.0	19.0	18.0	12.0	6.0	5.0	4.0	4.0	5.0	6.0	11.0	14.0	10.0	11.0	8.0	7.0	5.0	24	19.0
18	4.0	4.0	5.0	9.0	9.0	11.0	14.0	16.0	21.0	15.0	7.0	4.0	5.0	6.0	6.0	9.0	16.0	16.0	17.0	23.0	15.0	14.0	16.0	14.0	24	23.0
19	12.0	8.0	9.0	8.0	6.0	9.0	14.0	17.0	17.0	18.0	8.0	5.0	4.0	5.0	5.0	6.0	7.0	11.0	23.0	14.0	9.0	20.0	12.0	17.0	24	23.0
20	17.0	13.0	15.0	16.0	16.0	18.0	18.0	13.0	12.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	8.0	7.0	10.0	7.0	6.0	6.0	5.0	24	18.0
21	4.0	5.0	3.0	5.0	5.0	6.0	6.0	6.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	10.0	10.0	22.0	24.0	18.0	16.0	15.0	24	24.0
22	13.0	14.0	10.0	12.0	15.0	15.0	13.0	11.0	15.0	22.0	10.0	8.0	10.0	9.0	9.0	8.0	8.0	14.0	43.0	38.0	32.0	32.0	36.0	27.0	24	43.0
23	20.0	20.0	14.0	15.0	17.0	21.0	21.0	20.0	25.0	22.0	16.0	8.0	6.0	4.0	5.0	5.0	8.0	16.0	24.0	39.0	43.0	43.0	35.0	28.0	24	43.0
24	17.0	14.0	19.0	15.0	17.0	21.0	20.0	22.0	28.0	30.0	17.0	8.0	8.0	7.0	6.0	6.0	7.0	12.0	25.0	27.0	33.0	37.0	27.0	24.0	24	37.0
25	19.0	16.0	15.0	12.0	11.0	19.0	17.0	14.0	24.0	BF	BF	9.0	5.0	4.0	5.0	5.0	5.0	13.0	20.0	23.0	19.0	17.0	11.0	12.0	22	24.0
26	10.0	7.0	9.0	9.0	6.0	6.0	8.0	9.0	5.0	5.0	5.0	6.0	4.0	3.0	4.0	4.0	6.0	7.0	8.0	5.0	4.0	5.0	5.0	4.0	24	10.0
27	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	3.0	4.0	3.0	3.0	3.0	3.0	24	4.0
28	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0	6.0	5.0	4.0	4.0	4.0	3.0	3.0	24	6.0
29	4.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	24	5.0
30	3.0	3.0	3.0	2.0	3.0	3.0	4.0	5.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	5.0	7.0	9.0	5.0	6.0	5.0	5.0	6.0	7.0	24	9.0
31	6.0	7.0	8.0	7.0	9.0	11.0	18.0	18.0	15.0	10.0	7.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0	7.0	9.0	10.0	14.0	12.0	9.0	24	18.0
NO.:	31	31	31	31	31	31	30	30	30	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	26.0	22.0	21.0	18.0	17.0	24.0	24.0	22.0	28.0	30.0	17.0	9.0	10.0	9.0	9.0	9.0	16.0	16.0	43.0	39.0	43.0	43.0	36.0	28.0		
AVG:	9.10	8.58	8.32	8.06	8.61	10.29	11.17	10.93	12.00	10.17	6.43	4.84	4.35	4.29	4.55	4.71	5.68	8.45	13.77	15.42	14.29	14.13	12.58	10.74		

MONTHLY OBSERVATIONS: 738 MONTHLY MEAN: 9.22 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: NOVEMBER 2012

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	8.0	7.0	6.0	5.0	5.0	10.0	11.0	10.0	7.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	10.0	21.0	27.0	22.0	12.0	12.0	12.0	24	27.0
2	15.0	18.0	18.0	18.0	20.0	26.0	26.0	28.0	23.0	17.0	23.0	22.0	13.0	6.0	7.0	8.0	9.0	19.0	16.0	32.0	18.0	10.0	13.0	16.0	24	32.0
3	9.0	7.0	5.0	4.0	4.0	5.0	8.0	9.0	6.0	3.0	4.0	4.0	4.0	3.0	4.0	5.0	7.0	16.0	24.0	23.0	20.0	12.0	11.0	7.0	24	24.0
4	6.0	4.0	5.0	4.0	4.0	5.0	5.0	6.0	5.0	4.0	4.0	5.0	5.0	5.0	5.0	6.0	9.0	11.0	11.0	10.0	11.0	12.0	8.0	4.0	24	12.0
5	5.0	6.0	7.0	8.0	6.0	5.0	6.0	6.0	5.0	3.0	3.0	4.0	3.0	3.0	2.0	3.0	4.0	16.0	23.0	26.0	19.0	13.0	13.0	14.0	24	26.0
6	12.0	9.0	8.0	7.0	8.0	8.0	8.0	8.0	9.0	9.0	12.0	10.0	7.0	11.0	14.0	18.0	16.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	24	18.0
7	11.0	8.0	7.0	5.0	5.0	16.0	19.0	19.0	15.0	6.0	4.0	5.0	5.0	5.0	6.0	6.0	6.0	10.0	14.0	34.0	33.0	23.0	18.0	11.0	24	34.0
8	11.0	18.0	20.0	21.0	19.0	20.0	20.0	19.0	BF	BF	BF	5.0	5.0	5.0	6.0	7.0	9.0	12.0	20.0	32.0	17.0	16.0	14.0	16.0	21	32.0
9	12.0	10.0	12.0	12.0	16.0	16.0	27.0	27.0	30.0	15.0	5.0	4.0	5.0	5.0	5.0	5.0	6.0	18.0	38.0	44.0	38.0	39.0	35.0	32.0	24	44.0
10	31.0	30.0	29.0	24.0	24.0	25.0	22.0	23.0	26.0	25.0	23.0	14.0	12.0	9.0	5.0	6.0	10.0	21.0	32.0	23.0	35.0	34.0	33.0	36.0	24	36.0
11	32.0	29.0	17.0	25.0	22.0	21.0	23.0	24.0	20.0	20.0	14.0	10.0	6.0	5.0	6.0	6.0	7.0	22.0	20.0	18.0	19.0	15.0	11.0	7.0	24	32.0
12	6.0	5.0	5.0	5.0	5.0	9.0	10.0	10.0	11.0	9.0	9.0	8.0	9.0	6.0	6.0	4.0	6.0	11.0	11.0	7.0	10.0	14.0	7.0	6.0	24	14.0
13	6.0	5.0	4.0	4.0	4.0	6.0	5.0	8.0	6.0	4.0	4.0	4.0	3.0	3.0	4.0	5.0	5.0	12.0	14.0	11.0	7.0	8.0	10.0	12.0	24	14.0
14	8.0	6.0	5.0	5.0	6.0	5.0	6.0	8.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	6.0	10.0	10.0	9.0	8.0	8.0	7.0	10.0	24	10.0
15	10.0	11.0	10.0	10.0	8.0	6.0	7.0	9.0	8.0	11.0	15.0	13.0	15.0	8.0	7.0	9.0	12.0	16.0	22.0	24.0	26.0	23.0	21.0	14.0	24	26.0
16	20.0	9.0	9.0	11.0	15.0	15.0	17.0	24.0	15.0	11.0	10.0	8.0	13.0	13.0	12.0	10.0	13.0	18.0	18.0	20.0	21.0	15.0	13.0	13.0	24	24.0
17	12.0	9.0	8.0	8.0	8.0	8.0	9.0	9.0	9.0	7.0	6.0	6.0	6.0	5.0	6.0	5.0	5.0	7.0	7.0	6.0	6.0	6.0	6.0	9.0	24	12.0
18	7.0	6.0	5.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	5.0	4.0	5.0	6.0	5.0	5.0	4.0	4.0	5.0	7.0	5.0	6.0	6.0	8.0	24	8.0
19	5.0	4.0	5.0	10.0	5.0	3.0	3.0	4.0	4.0	5.0	13.0	14.0	9.0	3.0	4.0	4.0	9.0	18.0	10.0	11.0	9.0	8.0	13.0	11.0	24	18.0
20	9.0	7.0	6.0	4.0	5.0	8.0	10.0	13.0	12.0	8.0	7.0	7.0	11.0	10.0	15.0	17.0	20.0	23.0	29.0	20.0	30.0	41.0	38.0	31.0	24	41.0
21	24.0	15.0	10.0	8.0	8.0	6.0	10.0	11.0	8.0	6.0	6.0	BF	BF	BF	5.0	7.0	11.0	16.0	20.0	19.0	14.0	23.0	20.0	14.0	21	24.0
22	11.0	8.0	10.0	12.0	12.0	9.0	10.0	20.0	13.0	11.0	11.0	8.0	9.0	8.0	7.0	8.0	10.0	11.0	29.0	30.0	20.0	46.0	42.0	44.0	24	46.0
23	37.0	41.0	38.0	32.0	28.0	26.0	26.0	26.0	28.0	31.0	21.0	12.0	10.0	10.0	9.0	8.0	13.0	16.0	16.0	12.0	6.0	6.0	4.0	4.0	24	41.0
24	5.0	5.0	4.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	3.0	3.0	4.0	3.0	3.0	4.0	5.0	7.0	6.0	6.0	7.0	6.0	9.0	8.0	24	9.0
25	9.0	11.0	11.0	12.0	16.0	16.0	24.0	19.0	9.0	6.0	6.0	7.0	7.0	8.0	9.0	9.0	8.0	13.0	16.0	25.0	19.0	10.0	11.0	12.0	24	25.0
26	13.0	15.0	23.0	21.0	30.0	38.0	37.0	41.0	39.0	42.0	43.0	9.0	8.0	8.0	7.0	7.0	16.0	42.0	36.0	38.0	49.0	32.0	36.0	36.0	24	49.0
27	28.0	23.0	12.0	19.0	22.0	28.0	32.0	32.0	31.0	34.0	37.0	34.0	33.0	23.0	25.0	20.0	16.0	17.0	16.0	13.0	10.0	8.0	8.0	8.0	24	37.0
28	7.0	8.0	7.0	7.0	12.0	24.0	17.0	15.0	14.0	7.0	5.0	6.0	5.0	4.0	5.0	6.0	10.0	22.0	45.0	38.0	35.0	38.0	33.0	29.0	24	45.0
29	28.0	17.0	25.0	29.0	25.0	23.0	33.0	28.0	32.0	32.0	25.0	20.0	9.0	9.0	8.0	9.0	15.0	30.0	44.0	42.0	40.0	37.0	38.0	37.0	24	44.0
30	37.0	37.0	37.0	34.0	38.0	42.0	35.0	34.0	34.0	29.0	18.0	17.0	14.0	14.0	15.0	12.0	14.0	30.0	42.0	41.0	38.0	46.0	44.0	40.0	24	46.0
31																									0	
NO.:	30	30	30	30	30	30	30	30	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30		
MAX:	37.0	41.0	38.0	34.0	38.0	42.0	37.0	41.0	39.0	42.0	43.0	34.0	33.0	23.0	25.0	20.0	20.0	42.0	45.0	44.0	49.0	46.0	44.0	44.0		
AVG:	14.47	12.93	12.27	12.47	12.97	14.60	15.80	16.63	14.97	12.90	11.86	9.34	8.38	7.10	7.33	7.60	9.53	16.20	20.73	21.83	19.97	19.13	18.03	16.93		

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 13.94 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 2012

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	39.0	36.0	34.0	31.0	31.0	32.0	31.0	28.0	24.0	36.0	42.0	27.0	12.0	7.0	6.0	6.0	8.0	19.0	27.0	37.0	28.0	25.0	21.0	28.0	24	42.0
2	21.0	17.0	20.0	17.0	28.0	27.0	26.0	20.0	21.0	20.0	17.0	13.0	6.0	5.0	5.0	5.0	6.0	8.0	16.0	15.0	17.0	14.0	17.0	12.0	24	28.0
3	10.0	10.0	12.0	9.0	11.0	13.0	19.0	32.0	28.0	23.0	21.0	14.0	8.0	8.0	9.0	9.0	14.0	29.0	44.0	52.0	48.0	29.0	27.0	34.0	24	52.0
4	27.0	17.0	17.0	18.0	18.0	20.0	26.0	31.0	26.0	BC	BC	BC	BC	BC	BC	BC	9.0	18.0	25.0	16.0	14.0	10.0	11.0	8.0	17	31.0
5	7.0	5.0	4.0	4.0	3.0	5.0	8.0	16.0	20.0	19.0	9.0	4.0	1.0	1.0	2.0	3.0	9.0	12.0	11.0	15.0	16.0	15.0	11.0	8.0	24	20.0
6	10.0	4.0	4.0	3.0	4.0	5.0	7.0	10.0	9.0	5.0	4.0	4.0	4.0	6.0	8.0	9.0	11.0	11.0	8.0	8.0	11.0	11.0	10.0	11.0	24	11.0
7	11.0	11.0	11.0	9.0	8.0	12.0	12.0	13.0	11.0	10.0	10.0	13.0	10.0	12.0	20.0	20.0	15.0	14.0	17.0	17.0	16.0	21.0	19.0	17.0	24	21.0
8	16.0	14.0	7.0	4.0	4.0	3.0	4.0	6.0	7.0	7.0	7.0	7.0	7.0	5.0	5.0	6.0	10.0	22.0	28.0	23.0	23.0	26.0	24.0	14.0	24	28.0
9	8.0	6.0	5.0	5.0	5.0	5.0	7.0	8.0	13.0	10.0	6.0	7.0	6.0	6.0	6.0	5.0	7.0	12.0	16.0	18.0	11.0	12.0	11.0	9.0	24	18.0
10	4.0	3.0	2.0	5.0	4.0	3.0	4.0	7.0	7.0	5.0	4.0	5.0	5.0	5.0	9.0	8.0	8.0	17.0	8.0	6.0	5.0	5.0	2.0	1.0	24	17.0
11	1.0	1.0	2.0	4.0	4.0	8.0	11.0	15.0	8.0	5.0	3.0	1.0	1.0	1.0	1.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	2.0	3.0	24	15.0
12	3.0	3.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	5.0	3.0	3.0	4.0	4.0	5.0	6.0	5.0	5.0	5.0	4.0	3.0	3.0	2.0	3.0	24	6.0
13	3.0	3.0	4.0	5.0	6.0	4.0	7.0	6.0	5.0	4.0	4.0	3.0	4.0	5.0	5.0	5.0	6.0	14.0	16.0	17.0	19.0	12.0	12.0	12.0	24	19.0
14	16.0	28.0	25.0	26.0	28.0	23.0	30.0	26.0	25.0	19.0	8.0	9.0	9.0	7.0	6.0	10.0	16.0	30.0	37.0	39.0	34.0	32.0	33.0	32.0	24	39.0
15	28.0	27.0	21.0	25.0	28.0	21.0	22.0	17.0	20.0	25.0	29.0	23.0	7.0	6.0	5.0	6.0	10.0	17.0	18.0	23.0	22.0	19.0	13.0	13.0	24	29.0
16	14.0	9.0	9.0	9.0	7.0	11.0	11.0	10.0	10.0	10.0	9.0	6.0	8.0	9.0	9.0	8.0	11.0	14.0	15.0	8.0	9.0	8.0	8.0	6.0	24	15.0
17	6.0	8.0	5.0	5.0	4.0	5.0	10.0	17.0	17.0	13.0	9.0	7.0	10.0	10.0	15.0	12.0	11.0	9.0	7.0	6.0	4.0	3.0	3.0	4.0	24	17.0
18	3.0	3.0	3.0	2.0	3.0	2.0	5.0	7.0	9.0	5.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	10.0	12.0	8.0	11.0	24.0	25.0	24.0	24	25.0
19	10.0	8.0	6.0	10.0	11.0	16.0	21.0	25.0	24.0	19.0	14.0	9.0	3.0	3.0	5.0	8.0	17.0	31.0	38.0	36.0	34.0	32.0	28.0	25.0	24	38.0
20	11.0	9.0	7.0	5.0	5.0	6.0	6.0	8.0	8.0	10.0	7.0	6.0	8.0	7.0	8.0	9.0	11.0	6.0	4.0	4.0	5.0	5.0	6.0	5.0	24	11.0
21	3.0	1.0	1.0	1.0	3.0	2.0	3.0	4.0	2.0	2.0	BF	BF	2.0	2.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	22	4.0
22	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	2.0	5.0	10.0	13.0	8.0	9.0	21.0	19.0	20.0	24	21.0
23	21.0	18.0	19.0	26.0	28.0	25.0	25.0	23.0	21.0	23.0	14.0	9.0	10.0	5.0	4.0	6.0	12.0	24.0	26.0	23.0	22.0	19.0	18.0	16.0	24	28.0
24	25.0	24.0	26.0	24.0	20.0	17.0	11.0	13.0	19.0	11.0	10.0	14.0	13.0	11.0	9.0	8.0	11.0	12.0	11.0	12.0	10.0	8.0	3.0	2.0	24	26.0
25	2.0	2.0	2.0	1.0	2.0	2.0	2.0	3.0	3.0	4.0	5.0	5.0	2.0	2.0	2.0	2.0	5.0	5.0	7.0	5.0	2.0	2.0	3.0	3.0	24	7.0
26	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	4.0	5.0	2.0	4.0	6.0	10.0	15.0	7.0	6.0	4.0	24	15.0
27	3.0	3.0	3.0	3.0	4.0	5.0	6.0	8.0	7.0	3.0	1.0	AZ	AZ	AZ	AZ	3.0	4.0	7.0	8.0	7.0	3.0	6.0	7.0	9.0	20	9.0
28	6.0	1.0	1.0	1.0	2.0	7.0	16.0	20.0	21.0	20.0	14.0	11.0	7.0	8.0	7.0	8.0	10.0	17.0	21.0	27.0	26.0	22.0	23.0	23.0	24	27.0
29	21.0	20.0	19.0	17.0	12.0	7.0	7.0	12.0	11.0	7.0	5.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	24	21.0
30	2.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	4.0	13.0	21.0	13.0	7.0	10.0	7.0	14.0	24	21.0
31	18.0	25.0	25.0	26.0	26.0	30.0	23.0	22.0	19.0	15.0	11.0	11.0	8.0	8.0	11.0	11.0	16.0	22.0	24.0	28.0	20.0	7.0	9.0	6.0	24	30.0
NO.:	31	31	31	31	31	31	31	31	31	30	29	28	29	29	29	30	31	31	31	31	31	31	31	31		
MAX:	39.0	36.0	34.0	31.0	31.0	32.0	31.0	32.0	28.0	36.0	42.0	27.0	13.0	12.0	20.0	20.0	17.0	31.0	44.0	52.0	48.0	32.0	33.0	34.0		
AVG:	11.35	10.35	9.74	9.71	10.16	10.42	11.87	13.42	13.10	11.30	9.38	7.93	5.66	5.28	6.07	6.43	8.58	13.55	16.06	15.90	14.55	13.39	12.35	11.90		

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: 10.83 MONTHLY MAX: 52.0

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: JANUARY 2012

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	25.0	27.0	25.0	21.0	21.0	23.0	21.0	20.0	13.0	7.0	5.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	5.0	4.0	2.0	3.0	1.0	1.0	24	27.0
2	2.0	1.0	2.0	1.0	2.0	5.0	18.0	23.0	26.0	5.0	2.0	2.0	1.0	2.0	2.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	24	26.0
3	2.0	2.0	2.0	3.0	3.0	6.0	10.0	14.0	9.0	5.0	2.0	2.0	2.0	BF	BF	4.0	4.0	6.0	9.0	10.0	10.0	13.0	20.0	25.0	22	25.0
4	26.0	27.0	25.0	25.0	25.0	26.0	27.0	27.0	25.0	16.0	8.0	8.0	7.0	6.0	5.0	5.0	6.0	12.0	24.0	32.0	22.0	14.0	16.0	15.0	24	32.0
5	18.0	16.0	14.0	16.0	14.0	18.0	30.0	36.0	35.0	BF	BF	BC	BC	BC	BC	BC	6.0	16.0	33.0	38.0	39.0	39.0	37.0	31.0	17	39.0
6	32.0	26.0	20.0	25.0	25.0	26.0	28.0	30.0	28.0	27.0	25.0	17.0	13.0	10.0	9.0	6.0	6.0	13.0	19.0	31.0	35.0	24.0	20.0	14.0	24	35.0
7	12.0	14.0	14.0	9.0	11.0	13.0	14.0	20.0	15.0	13.0	9.0	5.0	4.0	4.0	3.0	3.0	5.0	9.0	13.0	17.0	10.0	8.0	6.0	6.0	24	20.0
8	7.0	7.0	11.0	13.0	20.0	16.0	13.0	13.0	14.0	10.0	6.0	4.0	4.0	4.0	3.0	6.0	8.0	11.0	13.0	21.0	15.0	10.0	17.0	17.0	24	21.0
9	12.0	11.0	10.0	10.0	9.0	7.0	8.0	6.0	6.0	5.0	5.0	7.0	9.0	10.0	12.0	12.0	11.0	15.0	17.0	16.0	16.0	16.0	15.0	15.0	24	17.0
10	14.0	15.0	15.0	14.0	13.0	14.0	12.0	13.0	14.0	11.0	8.0	7.0	7.0	7.0	9.0	8.0	11.0	17.0	18.0	19.0	17.0	17.0	13.0	11.0	24	19.0
11	7.0	5.0	5.0	6.0	5.0	4.0	7.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	6.0	6.0	7.0	8.0	5.0	3.0	3.0	3.0	4.0	3.0	24	8.0
12	3.0	3.0	3.0	4.0	4.0	5.0	8.0	12.0	12.0	8.0	4.0	3.0	3.0	BF	BF	3.0	3.0	5.0	5.0	5.0	4.0	3.0	3.0	2.0	22	12.0
13	2.0	2.0	3.0	3.0	2.0	3.0	5.0	5.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	7.0	8.0	8.0	7.0	7.0	15.0	21.0	24.0	24	24.0
14	25.0	24.0	24.0	21.0	22.0	23.0	23.0	21.0	18.0	11.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	6.0	18.0	16.0	18.0	12.0	8.0	8.0	24	25.0
15	9.0	9.0	16.0	18.0	16.0	8.0	7.0	18.0	15.0	5.0	3.0	3.0	4.0	3.0	2.0	2.0	3.0	7.0	15.0	30.0	32.0	28.0	17.0	19.0	24	32.0
16	8.0	5.0	4.0	4.0	6.0	10.0	17.0	19.0	20.0	14.0	11.0	9.0	7.0	AV	AV	6.0	8.0	11.0	11.0	17.0	27.0	18.0	18.0	11.0	22	27.0
17	7.0	7.0	6.0	9.0	9.0	8.0	9.0	11.0	11.0	9.0	7.0	6.0	4.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	6.0	6.0	4.0	3.0	24	11.0
18	3.0	3.0	5.0	5.0	6.0	8.0	13.0	14.0	14.0	BF	BF	3.0	3.0	3.0	3.0	3.0	3.0	8.0	14.0	15.0	13.0	12.0	12.0	10.0	22	15.0
19	7.0	5.0	5.0	9.0	11.0	14.0	14.0	25.0	18.0	7.0	4.0	5.0	5.0	5.0	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	14	25.0
20	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
21	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
22	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
23	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
24	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
25	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
26	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
27	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
28	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
29	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
30	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
31	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
NO.:	19	19	19	19	19	19	19	19	19	17	17	18	18	15	14	17	18	18	18	18	18	18	18	18		
MAX:	32.0	27.0	25.0	25.0	25.0	26.0	30.0	36.0	35.0	27.0	25.0	17.0	13.0	10.0	12.0	12.0	11.0	17.0	33.0	38.0	39.0	39.0	37.0	31.0		
AVG:	11.63	11.00	11.00	11.37	11.79	12.47	14.95	17.63	16.11	9.65	6.76	5.44	4.89	4.73	4.64	4.76	5.61	9.00	13.00	15.94	15.44	13.50	13.00	12.11		

MONTHLY OBSERVATIONS: 431 MONTHLY MEAN: 10.86 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: FEBRUARY 2012

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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
2	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
3	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
4	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
5	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
6	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
7	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
8	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
9	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
10	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
11	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
12	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
13	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
14	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
15	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
16	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
17	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
18	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
19	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
20	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
21	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
22	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
23	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
24	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
25	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
26	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
27	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
28	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
29	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
30																									0	
31																									0	

NO.:
MAX:
AVG:

MONTHLY OBSERVATIONS: 0 MONTHLY MEAN: MONTHLY MAX:

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 2012

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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
2	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
3	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
4	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
5	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
6	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
7	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
8	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
9	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
10	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
11	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
12	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
13	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	0	
14	BE	BE	BE	BE	BE	BE	BE	BE	BC	BC	BC	BC	BC	BC	BC	BC	4.0	5.0	6.0	9.0	13.0	15.0	11.0	12.0	8	15.0
15	8.0	7.0	7.0	7.0	9.0	16.0	33.0	25.0	19.0	16.0	13.0	8.0	4.0	3.0	3.0	3.0	9.0	9.0	10.0	7.0	11.0	15.0	14.0	16.0	24	33.0
16	15.0	14.0	24.0	23.0	16.0	21.0	22.0	BF	BF	BF	9.0	5.0	7.0	5.0	4.0	3.0	3.0	3.0	7.0	10.0	17.0	23.0	16.0	6.0	21	24.0
17	7.0	7.0	8.0	13.0	20.0	15.0	14.0	14.0	16.0	9.0	7.0	6.0	5.0	3.0	3.0	2.0	2.0	3.0	7.0	16.0	7.0	5.0	5.0	7.0	24	20.0
18	9.0	8.0	8.0	11.0	9.0	8.0	9.0	9.0	8.0	6.0	5.0	5.0	6.0	6.0	4.0	4.0	3.0	4.0	6.0	14.0	20.0	24.0	25.0	16.0	24	25.0
19	7.0	3.0	2.0	3.0	3.0	5.0	8.0	12.0	11.0	12.0	17.0	18.0	11.0	9.0	7.0	5.0	4.0	6.0	7.0	18.0	22.0	10.0	5.0	4.0	24	22.0
20	3.0	3.0	3.0	5.0	8.0	19.0	21.0	19.0	AZ	AZ	AZ	AZ	AZ	AZ	3.0	3.0	3.0	4.0	6.0	10.0	8.0	6.0	2.0	3.0	18	21.0
21	2.0	2.0	2.0	4.0	7.0	12.0	16.0	15.0	11.0	8.0	6.0	4.0	3.0	3.0	3.0	2.0	3.0	4.0	4.0	7.0	6.0	4.0	3.0	3.0	24	16.0
22	4.0	4.0	4.0	4.0	5.0	5.0	8.0	6.0	9.0	9.0	8.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	7.0	14.0	20.0	18.0	24.0	23.0	24	24.0
23	19.0	15.0	12.0	9.0	9.0	12.0	12.0	12.0	12.0	10.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	11.0	14.0	7.0	13.0	18.0	13.0	10.0	24	19.0
24	5.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	7.0	9.0	5.0	8.0	8.0	11.0	8.0	24	11.0
25	6.0	5.0	5.0	4.0	3.0	5.0	5.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	4.0	3.0	4.0	4.0	4.0	4.0	5.0	7.0	7.0	8.0	24	8.0
26	9.0	12.0	11.0	11.0	14.0	19.0	25.0	BF	BF	BC	BC	BC	BC	4.0	3.0	3.0	4.0	4.0	10.0	14.0	9.0	9.0	10.0	6.0	18	25.0
27	3.0	3.0	4.0	3.0	3.0	5.0	6.0	5.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	4.0	4.0	5.0	8.0	21.0	20.0	10.0	7.0	6.0	24	21.0
28	4.0	3.0	4.0	3.0	3.0	7.0	9.0	10.0	9.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0	7.0	6.0	4.0	4.0	24	10.0
29	5.0	5.0	7.0	12.0	11.0	14.0	21.0	28.0	25.0	15.0	5.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	12.0	33.0	42.0	40.0	40.0	35.0	24	42.0
30	33.0	30.0	30.0	35.0	23.0	17.0	16.0	BF	BF	5.0	4.0	4.0	4.0	4.0	5.0	6.0	5.0	5.0	9.0	6.0	7.0	13.0	11.0	11.0	22	35.0
31	11.0	5.0	3.0	3.0	3.0	3.0	3.0	5.0	8.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0	4.0	6.0	11.0	12.0	15.0	19.0	13.0	7.0	24	19.0
NO.:	17	17	17	17	17	17	17	14	13	14	15	15	15	16	17	17	18	18	18	18	18	18	18	18		
MAX:	33.0	30.0	30.0	35.0	23.0	21.0	33.0	28.0	25.0	16.0	17.0	18.0	11.0	9.0	7.0	6.0	9.0	11.0	14.0	33.0	42.0	40.0	40.0	35.0		
AVG:	8.82	7.59	8.00	8.94	8.76	10.94	13.59	12.00	10.62	8.07	6.47	5.20	4.27	3.88	3.59	3.29	3.83	5.28	7.89	11.83	13.89	13.89	12.28	10.28		

MONTHLY OBSERVATIONS: 399 MONTHLY MEAN: 8.51 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: APRIL 2012

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	9.0	10.0	14.0	9.0	7.0	11.0	7.0	4.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	8.0	10.0	10.0	11.0	11.0	24	14.0
2	10.0	6.0	11.0	10.0	13.0	12.0	17.0	22.0	26.0	22.0	19.0	16.0	9.0	4.0	4.0	4.0	4.0	4.0	7.0	13.0	7.0	5.0	4.0	5.0	24	26.0
3	5.0	4.0	4.0	3.0	4.0	8.0	11.0	10.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0	10.0	3.0	3.0	3.0	24	11.0
4	3.0	3.0	3.0	6.0	13.0	18.0	13.0	16.0	17.0	13.0	12.0	8.0	6.0	5.0	4.0	3.0	3.0	5.0	7.0	4.0	6.0	16.0	16.0	15.0	24	18.0
5	18.0	21.0	19.0	15.0	15.0	23.0	23.0	15.0	8.0	5.0	4.0	4.0	BF	BF	3.0	4.0	5.0	6.0	6.0	4.0	3.0	3.0	3.0	3.0	22	23.0
6	3.0	4.0	3.0	3.0	2.0	4.0	5.0	5.0	6.0	7.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	6.0	13.0	13.0	26.0	23.0	20.0	24	26.0
7	19.0	15.0	19.0	19.0	17.0	19.0	16.0	11.0	7.0	4.0	5.0	4.0	4.0	4.0	3.0	3.0	4.0	5.0	7.0	10.0	18.0	20.0	22.0	17.0	24	22.0
8	19.0	19.0	18.0	18.0	20.0	19.0	13.0	14.0	11.0	5.0	4.0	5.0	6.0	4.0	3.0	3.0	4.0	4.0	6.0	15.0	7.0	8.0	9.0	6.0	24	20.0
9	4.0	5.0	6.0	3.0	6.0	11.0	13.0	18.0	19.0	9.0	5.0	4.0	5.0	3.0	3.0	4.0	3.0	4.0	6.0	10.0	16.0	20.0	20.0	13.0	24	20.0
10	9.0	10.0	7.0	6.0	7.0	10.0	27.0	26.0	27.0	10.0	5.0	4.0	4.0	5.0	5.0	6.0	4.0	8.0	10.0	9.0	13.0	13.0	17.0	8.0	24	27.0
11	3.0	4.0	4.0	5.0	9.0	10.0	14.0	BF	BF	BC	BC	BC	BC	BC	3.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	4.0	3.0	17	14.0
12	4.0	5.0	7.0	8.0	8.0	12.0	23.0	15.0	4.0	3.0	3.0	4.0	4.0	5.0	4.0	3.0	3.0	4.0	7.0	14.0	33.0	33.0	30.0	31.0	24	33.0
13	25.0	20.0	17.0	17.0	17.0	16.0	17.0	25.0	33.0	13.0	11.0	7.0	5.0	5.0	5.0	5.0	5.0	5.0	8.0	28.0	30.0	43.0	38.0	36.0	24	43.0
14	33.0	21.0	11.0	9.0	11.0	13.0	14.0	14.0	19.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	9.0	13.0	20.0	6.0	5.0	24	33.0
15	4.0	4.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	4.0	4.0	5.0	4.0	3.0	24	5.0
16	3.0	3.0	3.0	3.0	3.0	7.0	11.0	9.0	7.0	4.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	4.0	4.0	5.0	4.0	4.0	4.0	24	11.0
17	4.0	6.0	14.0	11.0	10.0	12.0	16.0	19.0	19.0	10.0	6.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	9.0	5.0	4.0	5.0	6.0	5.0	24	19.0
18	5.0	3.0	3.0	4.0	4.0	7.0	11.0	BF	BF	8.0	8.0	8.0	7.0	9.0	9.0	9.0	10.0	8.0	8.0	9.0	8.0	6.0	8.0	6.0	22	11.0
19	7.0	6.0	5.0	5.0	4.0	7.0	9.0	9.0	10.0	8.0	5.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0	8.0	7.0	7.0	7.0	6.0	24	10.0
20	9.0	11.0	14.0	13.0	16.0	14.0	18.0	17.0	6.0	4.0	3.0	3.0	4.0	5.0	6.0	5.0	5.0	4.0	5.0	12.0	17.0	10.0	7.0	6.0	24	18.0
21	6.0	6.0	6.0	6.0	11.0	10.0	9.0	8.0	7.0	7.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	10.0	24.0	25.0	5.0	5.0	24	25.0
22	5.0	5.0	4.0	4.0	4.0	3.0	5.0	4.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	4.0	2.0	24	5.0
23	3.0	3.0	4.0	6.0	6.0	9.0	7.0	8.0	4.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	8.0	14.0	21.0	20.0	14.0	24	21.0
24	13.0	11.0	10.0	10.0	10.0	14.0	20.0	20.0	11.0	5.0	3.0	3.0	3.0	3.0	2.0	3.0	4.0	3.0	6.0	11.0	15.0	11.0	13.0	9.0	24	20.0
25	11.0	8.0	8.0	9.0	10.0	15.0	18.0	21.0	22.0	10.0	8.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	6.0	15.0	15.0	9.0	4.0	4.0	24	22.0
26	5.0	4.0	4.0	3.0	4.0	5.0	6.0	5.0	5.0	7.0	6.0	6.0	6.0	4.0	5.0	6.0	7.0	12.0	17.0	15.0	12.0	5.0	5.0	4.0	24	17.0
27	4.0	4.0	4.0	9.0	13.0	21.0	26.0	22.0	BF	BF	BC	BC	BC	BC	4.0	5.0	6.0	6.0	9.0	7.0	7.0	7.0	6.0	5.0	18	26.0
28	3.0	2.0	2.0	3.0	3.0	4.0	5.0	6.0	7.0	6.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	24	7.0
29	5.0	9.0	9.0	9.0	9.0	11.0	9.0	5.0	4.0	5.0	5.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	6.0	7.0	9.0	6.0	4.0	24	11.0
30	4.0	3.0	3.0	4.0	5.0	8.0	9.0	7.0	6.0	6.0	5.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	24	9.0
31																									0	
NO.:	30	30	30	30	30	30	30	28	27	28	28	28	27	27	30	30	30	30	30	30	30	30	30	30		
MAX:	33.0	21.0	19.0	19.0	20.0	23.0	27.0	26.0	33.0	22.0	19.0	16.0	9.0	9.0	9.0	9.0	10.0	12.0	17.0	28.0	33.0	43.0	38.0	36.0		
AVG:	8.50	7.83	7.97	7.73	8.77	11.20	13.17	12.79	11.11	6.86	5.50	4.71	4.22	3.85	3.67	3.73	3.90	4.47	6.13	9.07	11.07	11.93	10.33	8.67		

MONTHLY OBSERVATIONS: 703 MONTHLY MEAN: 7.82 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: MAY 2012

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	2.0	3.0	2.0	3.0	4.0	5.0	6.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	5.0	4.0	5.0	5.0	24	6.0
2	5.0	4.0	4.0	5.0	5.0	8.0	9.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	9.0	10.0	10.0	9.0	11.0	24	11.0
3	9.0	6.0	6.0	6.0	5.0	9.0	11.0	11.0	6.0	8.0	8.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	9.0	12.0	9.0	8.0	24	12.0
4	7.0	7.0	7.0	7.0	8.0	9.0	9.0	9.0	8.0	11.0	15.0	12.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	6.0	6.0	8.0	10.0	8.0	24	15.0
5	8.0	8.0	10.0	10.0	9.0	9.0	9.0	10.0	10.0	10.0	7.0	4.0	5.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0	6.0	8.0	5.0	24	10.0
6	8.0	5.0	6.0	3.0	2.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	2.0	5.0	10.0	8.0	5.0	3.0	24	10.0
7	3.0	2.0	3.0	2.0	4.0	6.0	6.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0	8.0	6.0	3.0	2.0	24	8.0
8	2.0	1.0	2.0	2.0	3.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0	BF	BF	3.0	3.0	3.0	4.0	4.0	6.0	4.0	4.0	4.0	3.0	22	6.0
9	2.0	3.0	3.0	5.0	5.0	8.0	12.0	16.0	15.0	7.0	6.0	5.0	6.0	11.0	6.0	5.0	4.0	4.0	5.0	7.0	9.0	12.0	15.0	15.0	24	16.0
10	12.0	13.0	9.0	11.0	11.0	15.0	17.0	15.0	8.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	5.0	12.0	28.0	25.0	15.0	9.0	24	28.0
11	6.0	7.0	7.0	7.0	8.0	12.0	23.0	13.0	7.0	3.0	3.0	2.0	2.0	3.0	4.0	4.0	5.0	5.0	7.0	19.0	25.0	38.0	32.0	29.0	24	38.0
12	18.0	11.0	6.0	4.0	4.0	7.0	10.0	9.0	8.0	8.0	5.0	4.0	4.0	3.0	2.0	3.0	3.0	3.0	5.0	7.0	18.0	27.0	30.0	16.0	24	30.0
13	5.0	5.0	5.0	5.0	5.0	7.0	7.0	5.0	3.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0	5.0	5.0	5.0	3.0	4.0	2.0	1.0	2.0	24	7.0
14	1.0	1.0	1.0	1.0	2.0	3.0	5.0	5.0	4.0	4.0	4.0	4.0	2.0	2.0	3.0	4.0	3.0	3.0	4.0	4.0	2.0	3.0	3.0	3.0	24	5.0
15	2.0	3.0	3.0	3.0	4.0	6.0	8.0	9.0	7.0	5.0	5.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	6.0	7.0	6.0	5.0	7.0	8.0	24	9.0
16	6.0	3.0	6.0	3.0	3.0	8.0	16.0	25.0	17.0	11.0	9.0	7.0	4.0	3.0	3.0	3.0	4.0	5.0	5.0	5.0	6.0	9.0	15.0	20.0	24	25.0
17	26.0	18.0	16.0	11.0	10.0	13.0	13.0	12.0	10.0	7.0	4.0	3.0	BF	BF	BF	2.0	4.0	4.0	5.0	5.0	5.0	3.0	4.0	3.0	21	26.0
18	3.0	3.0	3.0	4.0	4.0	5.0	5.0	4.0	4.0	3.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	7.0	10.0	8.0	8.0	5.0	24	10.0
19	7.0	10.0	9.0	8.0	10.0	9.0	10.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	5.0	6.0	7.0	9.0	16.0	14.0	18.0	23.0	24	23.0
20	23.0	17.0	10.0	6.0	6.0	6.0	5.0	5.0	5.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	5.0	6.0	9.0	24	23.0
21	11.0	13.0	9.0	8.0	9.0	11.0	10.0	8.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	4.0	6.0	4.0	3.0	24	13.0
22	5.0	5.0	5.0	14.0	12.0	16.0	19.0	15.0	9.0	5.0	5.0	6.0	7.0	7.0	5.0	6.0	6.0	8.0	9.0	13.0	11.0	4.0	2.0	3.0	24	19.0
23	6.0	11.0	9.0	7.0	5.0	5.0	6.0	7.0	7.0	6.0	5.0	5.0	4.0	6.0	4.0	4.0	3.0	4.0	4.0	8.0	21.0	17.0	11.0	6.0	24	21.0
24	4.0	4.0	4.0	5.0	5.0	7.0	9.0	9.0	8.0	8.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	10.0	19.0	22.0	9.0	5.0	24	22.0
25	4.0	3.0	4.0	6.0	12.0	16.0	21.0	14.0	11.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	6.0	7.0	10.0	17.0	30.0	32.0	24	32.0
26	32.0	29.0	24.0	20.0	20.0	19.0	14.0	8.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	4.0	7.0	5.0	4.0	6.0	24	32.0
27	4.0	4.0	4.0	7.0	9.0	7.0	4.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	4.0	5.0	4.0	24	9.0
28	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	3.0	3.0	3.0	4.0	8.0	8.0	7.0	9.0	10.0	24	10.0
29	8.0	7.0	4.0	3.0	6.0	7.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0	11.0	14.0	8.0	10.0	16.0	12.0	11.0	11.0	24	16.0
30	6.0	3.0	3.0	5.0	7.0	8.0	7.0	BF	BF	3.0	3.0	3.0	3.0	3.0	2.0	4.0	3.0	4.0	6.0	13.0	25.0	31.0	37.0	31.0	22	37.0
31	31.0	31.0	28.0	26.0	20.0	15.0	20.0	33.0	BF	BF	BC	BC	BC	BC	2.0	3.0	2.0	2.0	4.0	6.0	7.0	5.0	2.0	2.0	18	33.0
NO.:	31	31	31	31	31	31	31	30	29	30	30	30	28	28	30	31	31	31	31	31	31	31	31	31		
MAX:	32.0	31.0	28.0	26.0	20.0	19.0	23.0	33.0	17.0	11.0	15.0	12.0	7.0	11.0	6.0	6.0	11.0	14.0	9.0	19.0	28.0	38.0	37.0	32.0		
AVG:	8.68	7.81	6.94	6.77	7.10	8.55	9.97	9.43	6.48	4.97	4.57	4.00	3.50	3.61	3.20	3.32	3.58	3.97	4.74	7.23	10.45	10.94	10.68	9.68		

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: 6.71 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)

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: JUNE 2012

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	1.0	1.0	2.0	2.0	2.0	4.0	5.0	5.0	4.0	4.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	8.0	6.0	5.0	6.0	7.0	24	8.0
2	7.0	11.0	11.0	4.0	4.0	5.0	5.0	3.0	2.0	3.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	7.0	16.0	10.0	11.0	9.0	24	16.0
3	10.0	12.0	16.0	20.0	17.0	14.0	11.0	13.0	5.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	5.0	8.0	12.0	13.0	13.0	24	20.0
4	11.0	11.0	11.0	11.0	12.0	20.0	23.0	21.0	25.0	22.0	14.0	13.0	9.0	3.0	3.0	4.0	5.0	3.0	5.0	6.0	5.0	5.0	7.0	5.0	24	25.0
5	4.0	4.0	4.0	4.0	6.0	8.0	14.0	12.0	16.0	7.0	3.0	2.0	3.0	2.0	3.0	3.0	3.0	4.0	6.0	9.0	12.0	10.0	5.0	2.0	24	16.0
6	2.0	2.0	2.0	2.0	2.0	3.0	5.0	3.0	3.0	3.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	2.0	3.0	5.0	10.0	8.0	7.0	8.0	24	10.0
7	15.0	12.0	9.0	9.0	9.0	15.0	14.0	9.0	9.0	6.0	4.0	5.0	BF	BF	3.0	3.0	4.0	3.0	3.0	10.0	18.0	15.0	16.0	24.0	22	24.0
8	21.0	21.0	18.0	17.0	18.0	17.0	16.0	16.0	12.0	7.0	5.0	3.0	2.0	2.0	3.0	2.0	2.0	3.0	5.0	11.0	20.0	22.0	16.0	27.0	24	27.0
9	34.0	30.0	25.0	22.0	20.0	16.0	16.0	16.0	12.0	8.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	6.0	7.0	6.0	4.0	24	34.0
10	4.0	4.0	5.0	5.0	5.0	6.0	7.0	5.0	4.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	24	7.0
11	1.0	2.0	2.0	3.0	4.0	4.0	7.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	24	7.0
12	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0	4.0	2.0	4.0	24	6.0
13	6.0	5.0	13.0	10.0	10.0	15.0	17.0	AZ	AZ	AZ	AZ	AZ	AZ	4.0	5.0	3.0	3.0	4.0	4.0	5.0	9.0	7.0	7.0	7.0	18	17.0
14	7.0	3.0	1.0	2.0	5.0	7.0	7.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	4.0	3.0	2.0	24	7.0
15	2.0	6.0	6.0	7.0	5.0	5.0	5.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	8.0	9.0	10.0	24	10.0
16	11.0	4.0	2.0	2.0	3.0	7.0	8.0	4.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0	8.0	12.0	11.0	24	12.0
17	12.0	13.0	7.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	8.0	16.0	11.0	7.0	24	16.0
18	7.0	5.0	5.0	6.0	6.0	6.0	8.0	9.0	9.0	7.0	5.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	5.0	7.0	6.0	5.0	24	9.0
19	5.0	8.0	5.0	4.0	5.0	8.0	10.0	7.0	6.0	7.0	13.0	9.0	4.0	4.0	4.0	3.0	3.0	4.0	5.0	6.0	9.0	12.0	14.0	10.0	24	14.0
20	10.0	11.0	9.0	7.0	6.0	10.0	13.0	17.0	BF	BF	BC	BC	BC	BC	BC	2.0	3.0	3.0	6.0	7.0	6.0	3.0	5.0	6.0	17	17.0
21	4.0	5.0	7.0	6.0	6.0	6.0	8.0	8.0	8.0	7.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	4.0	5.0	5.0	24	8.0
22	4.0	3.0	3.0	3.0	5.0	9.0	10.0	8.0	9.0	7.0	4.0	3.0	3.0	2.0	3.0	6.0	7.0	11.0	13.0	11.0	14.0	17.0	16.0	16.0	24	17.0
23	16.0	19.0	16.0	21.0	20.0	15.0	15.0	17.0	10.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	4.0	4.0	3.0	4.0	24	21.0
24	4.0	3.0	4.0	5.0	4.0	5.0	8.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0	5.0	4.0	5.0	6.0	6.0	24	8.0
25	6.0	8.0	8.0	8.0	7.0	8.0	8.0	10.0	9.0	6.0	4.0	4.0	5.0	4.0	4.0	3.0	4.0	4.0	5.0	6.0	7.0	5.0	4.0	4.0	24	10.0
26	4.0	3.0	3.0	4.0	10.0	17.0	9.0	5.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	9.0	9.0	10.0	16.0	24	17.0
27	19.0	21.0	18.0	17.0	11.0	10.0	11.0	10.0	9.0	6.0	4.0	3.0	2.0	3.0	2.0	3.0	3.0	3.0	5.0	9.0	14.0	27.0	23.0	23.0	24	27.0
28	23.0	25.0	23.0	21.0	23.0	23.0	20.0	BF	BF	10.0	5.0	4.0	5.0	4.0	4.0	5.0	6.0	4.0	5.0	6.0	8.0	12.0	16.0	12.0	22	25.0
29	14.0	14.0	14.0	12.0	12.0	14.0	16.0	23.0	31.0	23.0	9.0	6.0	4.0	4.0	5.0	4.0	4.0	4.0	11.0	13.0	17.0	21.0	26.0	6.0	24	31.0
30	5.0	8.0	8.0	4.0	6.0	6.0	8.0	7.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	7.0	11.0	14.0	17.0	21.0	24	21.0
31																									0	
NO.:	30	30	30	30	30	30	30	28	27	28	28	28	27	28	29	30	30	30	30	30	30	30	30	30		
MAX:	34.0	30.0	25.0	22.0	23.0	23.0	23.0	23.0	31.0	23.0	14.0	13.0	9.0	4.0	5.0	6.0	7.0	11.0	13.0	13.0	20.0	27.0	26.0	27.0		
AVG:	9.03	9.20	8.63	8.13	8.30	9.63	10.37	9.07	7.89	6.14	4.46	3.75	3.15	2.82	3.00	2.97	3.17	3.30	4.47	6.13	8.73	9.50	9.53	9.20		

MONTHLY OBSERVATIONS: 703 MONTHLY MEAN: 6.73 MONTHLY MAX: 34.0

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 2012

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	35.0	24.0	16.0	11.0	8.0	9.0	8.0	9.0	8.0	8.0	12.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	3.0	3.0	3.0	24	35.0
2	3.0	4.0	3.0	7.0	6.0	11.0	13.0	10.0	10.0	10.0	6.0	5.0	4.0	5.0	5.0	4.0	4.0	4.0	5.0	7.0	7.0	9.0	10.0	9.0	24	13.0
3	9.0	11.0	16.0	17.0	18.0	20.0	18.0	33.0	24.0	12.0	8.0	6.0	7.0	4.0	3.0	3.0	5.0	4.0	4.0	10.0	11.0	8.0	6.0	14.0	24	33.0
4	8.0	8.0	8.0	7.0	7.0	7.0	8.0	10.0	10.0	10.0	5.0	4.0	4.0	3.0	3.0	4.0	8.0	5.0	6.0	9.0	16.0	19.0	25.0	27.0	24	27.0
5	25.0	22.0	23.0	14.0	12.0	14.0	15.0	19.0	13.0	9.0	10.0	5.0	3.0	3.0	3.0	4.0	7.0	7.0	6.0	6.0	11.0	13.0	9.0	11.0	24	25.0
6	13.0	17.0	24.0	20.0	16.0	15.0	16.0	17.0	12.0	8.0	6.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	6.0	8.0	14.0	15.0	13.0	12.0	24	24.0
7	16.0	16.0	13.0	14.0	11.0	7.0	8.0	11.0	6.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	4.0	4.0	10.0	13.0	10.0	12.0	24	16.0
8	11.0	7.0	5.0	5.0	4.0	4.0	5.0	9.0	7.0	7.0	13.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	6.0	9.0	12.0	16.0	11.0	7.0	24	16.0
9	5.0	9.0	8.0	7.0	22.0	13.0	11.0	16.0	17.0	7.0	5.0	5.0	4.0	4.0	4.0	7.0	8.0	19.0	17.0	12.0	13.0	9.0	5.0	5.0	24	22.0
10	4.0	2.0	3.0	3.0	4.0	8.0	8.0	7.0	BF	BF	BF	3.0	3.0	3.0	3.0	4.0	6.0	6.0	6.0	8.0	7.0	6.0	6.0	7.0	21	8.0
11	4.0	4.0	4.0	7.0	6.0	9.0	7.0	6.0	5.0	4.0	3.0	4.0	4.0	3.0	3.0	5.0	5.0	4.0	4.0	5.0	3.0	2.0	2.0	3.0	24	9.0
12	4.0	4.0	4.0	3.0	3.0	5.0	8.0	7.0	5.0	4.0	4.0	4.0	3.0	2.0	3.0	2.0	3.0	3.0	3.0	5.0	5.0	3.0	3.0	3.0	24	8.0
13	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0	7.0	6.0	4.0	4.0	24	7.0
14	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	5.0	4.0	3.0	4.0	9.0	9.0	24	9.0
15	8.0	5.0	4.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	3.0	5.0	6.0	12.0	11.0	4.0	3.0	24	12.0
16	4.0	3.0	3.0	4.0	4.0	7.0	8.0	7.0	9.0	10.0	10.0	4.0	3.0	4.0	3.0	3.0	4.0	6.0	6.0	10.0	9.0	7.0	12.0	9.0	24	12.0
17	8.0	8.0	6.0	6.0	9.0	9.0	10.0	14.0	16.0	13.0	9.0	6.0	5.0	4.0	5.0	4.0	4.0	4.0	5.0	7.0	6.0	7.0	11.0	10.0	24	16.0
18	9.0	7.0	7.0	6.0	5.0	7.0	9.0	13.0	14.0	6.0	5.0	4.0	5.0	4.0	3.0	2.0	3.0	5.0	5.0	9.0	8.0	12.0	9.0	6.0	24	14.0
19	4.0	5.0	4.0	4.0	4.0	5.0	7.0	BF	BF	4.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	5.0	3.0	6.0	9.0	7.0	4.0	6.0	22	9.0
20	6.0	4.0	4.0	3.0	3.0	4.0	5.0	6.0	5.0	6.0	4.0	5.0	6.0	6.0	5.0	3.0	4.0	8.0	6.0	5.0	8.0	8.0	8.0	7.0	24	8.0
21	6.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	3.0	24	6.0
22	3.0	3.0	3.0	3.0	2.0	6.0	4.0	4.0	4.0	6.0	6.0	4.0	4.0	3.0	3.0	3.0	4.0	3.0	5.0	5.0	8.0	7.0	9.0	7.0	24	9.0
23	6.0	6.0	5.0	5.0	5.0	6.0	8.0	8.0	6.0	8.0	5.0	4.0	4.0	4.0	4.0	3.0	6.0	5.0	7.0	13.0	15.0	17.0	11.0	8.0	24	17.0
24	3.0	9.0	4.0	5.0	6.0	8.0	8.0	13.0	13.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	7.0	4.0	7.0	13.0	15.0	12.0	11.0	14.0	24	15.0
25	16.0	6.0	5.0	5.0	6.0	12.0	8.0	12.0	12.0	10.0	9.0	8.0	6.0	8.0	10.0	10.0	5.0	6.0	7.0	10.0	13.0	7.0	7.0	9.0	24	16.0
26	8.0	6.0	5.0	4.0	6.0	9.0	11.0	17.0	21.0	18.0	6.0	6.0	6.0	3.0	3.0	4.0	6.0	7.0	4.0	4.0	5.0	5.0	5.0	4.0	24	21.0
27	6.0	7.0	5.0	7.0	10.0	10.0	10.0	12.0	23.0	14.0	4.0	3.0	3.0	3.0	2.0	2.0	5.0	5.0	4.0	16.0	8.0	5.0	9.0	16.0	24	23.0
28	11.0	8.0	6.0	6.0	4.0	4.0	7.0	7.0	9.0	8.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	6.0	7.0	9.0	4.0	5.0	5.0	24	11.0
29	3.0	3.0	3.0	4.0	8.0	8.0	6.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	5.0	6.0	8.0	6.0	5.0	24	8.0
30	5.0	9.0	15.0	13.0	12.0	13.0	9.0	7.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	3.0	4.0	7.0	9.0	10.0	6.0	24	15.0
31	5.0	4.0	4.0	6.0	6.0	5.0	8.0	BF	BF	BF	2.0	2.0	3.0	3.0	7.0	8.0	7.0	6.0	5.0	6.0	8.0	9.0	12.0	11.0	21	12.0
NO.:	31	31	31	31	31	31	31	29	28	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	35.0	24.0	24.0	20.0	22.0	20.0	18.0	33.0	24.0	18.0	13.0	8.0	7.0	8.0	10.0	10.0	8.0	19.0	17.0	16.0	16.0	19.0	25.0	27.0		
AVG:	8.19	7.45	7.06	6.65	7.03	7.97	8.23	9.97	9.61	7.24	5.43	3.97	3.68	3.26	3.45	3.58	4.32	4.77	5.26	7.23	8.81	8.52	8.16	8.23		

MONTHLY OBSERVATIONS: 736 MONTHLY MEAN: 6.56 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: AUGUST 2012

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	12.0	12.0	14.0	10.0	10.0	13.0	16.0	13.0	10.0	7.0	5.0	5.0	5.0	6.0	3.0	3.0	3.0	4.0	5.0	8.0	11.0	13.0	9.0	6.0	24	16.0
2	6.0	6.0	7.0	10.0	12.0	13.0	14.0	12.0	7.0	7.0	5.0	6.0	6.0	5.0	4.0	3.0	4.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	24	14.0
3	4.0	4.0	5.0	4.0	3.0	4.0	5.0	8.0	7.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	7.0	9.0	6.0	3.0	5.0	5.0	24	9.0
4	5.0	4.0	3.0	3.0	5.0	7.0	5.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	24	7.0
5	2.0	3.0	3.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	1.0	2.0	4.0	3.0	2.0	2.0	24	4.0
6	2.0	3.0	3.0	4.0	5.0	4.0	6.0	5.0	5.0	4.0	3.0	2.0	2.0	3.0	3.0	3.0	2.0	4.0	3.0	4.0	4.0	5.0	10.0	10.0	24	10.0
7	10.0	7.0	5.0	5.0	5.0	5.0	6.0	6.0	7.0	8.0	13.0	9.0	5.0	4.0	3.0	3.0	3.0	2.0	3.0	2.0	3.0	4.0	6.0	6.0	24	13.0
8	5.0	5.0	6.0	5.0	4.0	5.0	8.0	9.0	9.0	12.0	13.0	11.0	7.0	3.0	4.0	6.0	17.0	27.0	19.0	13.0	6.0	6.0	6.0	5.0	24	27.0
9	4.0	4.0	5.0	6.0	13.0	12.0	13.0	BF	BF	BF	AM	AM	AM	AM	AM	AM	3.0	3.0	5.0	6.0	5.0	4.0	2.0	2.0	15	13.0
10	2.0	2.0	2.0	2.0	2.0	3.0	5.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	3.0	24	5.0
11	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	4.0	2.0	3.0	4.0	4.0	24	4.0
12	10.0	8.0	11.0	6.0	4.0	5.0	4.0	3.0	3.0	3.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	6.0	11.0	11.0	7.0	12.0	24	12.0
13	13.0	10.0	9.0	10.0	8.0	10.0	11.0	12.0	9.0	6.0	3.0	2.0	3.0	4.0	3.0	3.0	3.0	3.0	5.0	9.0	12.0	17.0	18.0	18.0	24	18.0
14	12.0	11.0	11.0	9.0	9.0	10.0	12.0	15.0	14.0	11.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.0	6.0	7.0	7.0	7.0	24	15.0
15	6.0	5.0	4.0	4.0	5.0	7.0	10.0	11.0	10.0	10.0	10.0	6.0	8.0	5.0	7.0	4.0	5.0	6.0	6.0	8.0	11.0	11.0	13.0	11.0	24	13.0
16	9.0	9.0	15.0	18.0	15.0	15.0	20.0	10.0	7.0	6.0	4.0	3.0	3.0	4.0	5.0	4.0	4.0	4.0	5.0	9.0	16.0	16.0	26.0	28.0	24	28.0
17	25.0	22.0	18.0	14.0	12.0	12.0	14.0	26.0	19.0	9.0	6.0	4.0	4.0	3.0	3.0	5.0	5.0	4.0	4.0	7.0	7.0	5.0	5.0	5.0	24	26.0
18	7.0	11.0	11.0	8.0	8.0	9.0	8.0	10.0	7.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	11.0	17.0	16.0	12.0	6.0	24	17.0
19	6.0	7.0	8.0	6.0	4.0	4.0	6.0	8.0	7.0	5.0	5.0	5.0	5.0	3.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	2.0	2.0	24	8.0
20	3.0	6.0	3.0	3.0	5.0	6.0	10.0	6.0	6.0	6.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	8.0	12.0	12.0	9.0	13.0	24	13.0
21	12.0	11.0	13.0	10.0	10.0	14.0	13.0	10.0	9.0	7.0	6.0	4.0	5.0	4.0	7.0	4.0	3.0	3.0	5.0	8.0	20.0	19.0	22.0	24.0	24	24.0
22	11.0	9.0	6.0	9.0	8.0	10.0	17.0	15.0	14.0	BF	BF	3.0	2.0	3.0	3.0	3.0	4.0	5.0	9.0	14.0	6.0	4.0	5.0	12.0	22	17.0
23	9.0	5.0	5.0	5.0	6.0	8.0	15.0	13.0	10.0	9.0	6.0	4.0	3.0	3.0	2.0	2.0	3.0	4.0	6.0	8.0	6.0	10.0	10.0	6.0	24	15.0
24	7.0	11.0	10.0	14.0	19.0	18.0	16.0	19.0	16.0	10.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	7.0	7.0	12.0	10.0	9.0	24	19.0
25	12.0	15.0	13.0	11.0	12.0	12.0	21.0	15.0	8.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	8.0	10.0	11.0	9.0	8.0	24	21.0
26	8.0	8.0	12.0	12.0	14.0	12.0	9.0	6.0	4.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	5.0	10.0	9.0	9.0	10.0	12.0	24	14.0
27	11.0	10.0	9.0	9.0	9.0	14.0	16.0	11.0	8.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	3.0	4.0	5.0	6.0	6.0	24	16.0
28	5.0	3.0	2.0	3.0	3.0	4.0	7.0	10.0	9.0	8.0	7.0	7.0	5.0	4.0	4.0	4.0	7.0	3.0	3.0	2.0	3.0	5.0	4.0	4.0	24	10.0
29	3.0	3.0	3.0	3.0	3.0	5.0	8.0	10.0	7.0	8.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	5.0	7.0	8.0	8.0	8.0	7.0	24	10.0
30	6.0	4.0	4.0	4.0	4.0	6.0	7.0	9.0	9.0	6.0	3.0	4.0	BF	BF	2.0	3.0	3.0	3.0	5.0	6.0	6.0	6.0	7.0	7.0	22	9.0
31	6.0	5.0	5.0	4.0	6.0	8.0	6.0	6.0	7.0	7.0	6.0	5.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	9.0	12.0	8.0	6.0	5.0	24	12.0
NO.:	31	31	31	31	31	31	31	30	30	29	29	30	29	29	30	30	31	31	31	31	31	31	31	31		
MAX:	25.0	22.0	18.0	18.0	19.0	18.0	21.0	26.0	19.0	12.0	13.0	11.0	8.0	6.0	7.0	6.0	17.0	27.0	19.0	14.0	20.0	19.0	26.0	28.0		
AVG:	7.61	7.29	7.35	7.00	7.42	8.45	10.13	9.77	8.03	6.45	5.07	4.17	3.62	3.34	3.23	3.13	3.71	4.13	4.65	6.55	7.71	7.97	7.94	8.13		

MONTHLY OBSERVATIONS: 731 MONTHLY MEAN: 6.39 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)

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: SEPTEMBER 2012

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	5.0	10.0	7.0	9.0	10.0	7.0	7.0	10.0	9.0	7.0	4.0	3.0	2.0	2.0	3.0	3.0	6.0	8.0	7.0	7.0	8.0	16.0	15.0	13.0	24	16.0
2	9.0	8.0	10.0	9.0	9.0	7.0	7.0	6.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	3.0	6.0	10.0	9.0	6.0	7.0	10.0	9.0	24	10.0
3	8.0	7.0	6.0	4.0	3.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	4.0	6.0	8.0	8.0	3.0	3.0	2.0	24	8.0
4	2.0	2.0	2.0	2.0	2.0	3.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	2.0	4.0	5.0	5.0	4.0	4.0	5.0	5.0	4.0	24	5.0
5	4.0	3.0	3.0	3.0	3.0	4.0	5.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	5.0	10.0	14.0	14.0	14.0	24	14.0
6	11.0	6.0	4.0	3.0	3.0	5.0	7.0	7.0	4.0	4.0	3.0	4.0	4.0	4.0	5.0	4.0	8.0	7.0	10.0	13.0	16.0	6.0	8.0	8.0	24	16.0
7	5.0	4.0	4.0	6.0	7.0	11.0	8.0	7.0	7.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	5.0	5.0	5.0	9.0	7.0	24	11.0
8	6.0	6.0	5.0	4.0	5.0	5.0	5.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0	5.0	7.0	9.0	8.0	5.0	4.0	24	9.0
9	6.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0	13.0	21.0	23.0	17.0	13.0	24	23.0
10	9.0	9.0	8.0	8.0	10.0	13.0	15.0	17.0	14.0	9.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	8.0	10.0	15.0	18.0	21.0	20.0	13.0	24	21.0
11	9.0	10.0	6.0	4.0	6.0	9.0	12.0	8.0	5.0	4.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	15.0	17.0	19.0	23.0	20.0	19.0	24	23.0
12	17.0	17.0	16.0	11.0	13.0	14.0	17.0	BF	BF	BF	3.0	2.0	2.0	3.0	2.0	2.0	2.0	3.0	7.0	18.0	13.0	13.0	8.0	8.0	21	18.0
13	8.0	8.0	7.0	10.0	14.0	18.0	20.0	15.0	9.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	6.0	8.0	13.0	12.0	19.0	19.0	20.0	24	20.0
14	19.0	17.0	14.0	14.0	15.0	19.0	21.0	17.0	16.0	11.0	9.0	6.0	3.0	3.0	3.0	3.0	4.0	6.0	8.0	18.0	32.0	34.0	26.0	27.0	24	34.0
15	24.0	19.0	18.0	16.0	14.0	15.0	13.0	17.0	10.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	14.0	35.0	26.0	17.0	13.0	3.0	24	35.0
16	3.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	4.0	3.0	4.0	3.0	4.0	3.0	3.0	4.0	3.0	3.0	2.0	24	4.0
17	2.0	2.0	2.0	4.0	2.0	4.0	4.0	4.0	5.0	7.0	7.0	5.0	4.0	3.0	3.0	4.0	7.0	8.0	7.0	7.0	4.0	3.0	2.0	1.0	24	8.0
18	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	5.0	5.0	8.0	9.0	11.0	12.0	24	12.0
19	10.0	4.0	2.0	2.0	4.0	10.0	9.0	10.0	9.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	7.0	8.0	9.0	6.0	4.0	4.0	24	10.0
20	3.0	3.0	4.0	5.0	7.0	10.0	15.0	16.0	13.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	5.0	5.0	7.0	12.0	20.0	17.0	13.0	10.0	24	20.0
21	7.0	6.0	6.0	8.0	7.0	7.0	8.0	BF	BF	BF	7.0	4.0	3.0	3.0	2.0	3.0	3.0	4.0	6.0	11.0	9.0	6.0	5.0	6.0	21	11.0
22	5.0	5.0	4.0	4.0	4.0	3.0	5.0	5.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	7.0	11.0	12.0	8.0	7.0	5.0	24	12.0
23	5.0	6.0	5.0	8.0	2.0	3.0	7.0	7.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	10.0	20.0	13.0	8.0	8.0	6.0	24	20.0
24	4.0	4.0	5.0	4.0	7.0	10.0	13.0	12.0	7.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	11.0	14.0	18.0	23.0	23.0	20.0	24	23.0
25	17.0	16.0	15.0	15.0	14.0	13.0	15.0	18.0	20.0	7.0	5.0	3.0	4.0	3.0	3.0	4.0	4.0	5.0	10.0	11.0	9.0	9.0	8.0	9.0	24	20.0
26	7.0	8.0	8.0	8.0	6.0	7.0	13.0	15.0	13.0	9.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	9.0	11.0	13.0	16.0	17.0	14.0	24	17.0
27	11.0	10.0	9.0	9.0	10.0	9.0	12.0	16.0	15.0	17.0	14.0	6.0	6.0	5.0	6.0	6.0	6.0	7.0	14.0	27.0	34.0	36.0	31.0	31.0	24	36.0
28	27.0	20.0	17.0	15.0	16.0	14.0	12.0	16.0	19.0	17.0	25.0	11.0	6.0	6.0	4.0	3.0	5.0	7.0	6.0	8.0	9.0	15.0	21.0	23.0	24	27.0
29	9.0	4.0	7.0	6.0	6.0	11.0	17.0	17.0	13.0	9.0	7.0	6.0	5.0	4.0	4.0	6.0	6.0	8.0	7.0	4.0	5.0	7.0	11.0	11.0	24	17.0
30	4.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	6.0	8.0	9.0	13.0	11.0	9.0	6.0	24	13.0
31																									0	
NO.:	30	30	30	30	30	30	30	28	28	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	27.0	20.0	18.0	16.0	16.0	19.0	21.0	18.0	20.0	17.0	25.0	11.0	6.0	6.0	6.0	6.0	8.0	8.0	15.0	35.0	34.0	36.0	31.0	31.0		
AVG:	8.57	7.43	6.73	6.60	6.87	8.13	9.50	9.57	8.11	5.89	4.97	3.50	3.00	2.90	2.80	2.93	3.63	5.17	7.87	11.60	12.90	13.03	12.17	10.80		

MONTHLY OBSERVATIONS: 714 MONTHLY MEAN: 7.27 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: OCTOBER 2012

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	4.0	2.0	2.0	2.0	2.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	24	5.0
2	2.0	2.0	1.0	2.0	2.0	4.0	4.0	4.0	3.0	2.0	2.0	3.0	BF	BF	3.0	4.0	3.0	4.0	5.0	8.0	10.0	13.0	12.0	10.0	22	13.0
3	8.0	7.0	6.0	5.0	4.0	5.0	6.0	5.0	13.0	12.0	7.0	3.0	3.0	3.0	3.0	4.0	6.0	7.0	8.0	10.0	8.0	6.0	5.0	4.0	24	13.0
4	7.0	5.0	4.0	4.0	4.0	6.0	9.0	11.0	11.0	9.0	8.0	6.0	6.0	6.0	5.0	4.0	5.0	8.0	16.0	26.0	26.0	18.0	21.0	24.0	24	26.0
5	21.0	15.0	16.0	17.0	17.0	18.0	17.0	17.0	13.0	13.0	8.0	4.0	3.0	4.0	4.0	4.0	5.0	6.0	12.0	16.0	12.0	8.0	8.0	9.0	24	21.0
6	8.0	6.0	5.0	5.0	4.0	5.0	5.0	6.0	10.0	7.0	5.0	3.0	3.0	4.0	3.0	3.0	4.0	7.0	21.0	17.0	13.0	5.0	3.0	3.0	24	21.0
7	3.0	3.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0	3.0	4.0	4.0	6.0	5.0	5.0	4.0	4.0	24	6.0
8	4.0	3.0	3.0	3.0	4.0	7.0	7.0	7.0	6.0	4.0	5.0	9.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	24	9.0
9	3.0	3.0	2.0	2.0	3.0	6.0	9.0	10.0	7.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0	8.0	9.0	8.0	5.0	6.0	8.0	8.0	11.0	24	11.0
10	9.0	7.0	5.0	5.0	7.0	9.0	12.0	18.0	14.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	9.0	8.0	12.0	10.0	10.0	8.0	24	18.0
11	7.0	11.0	7.0	5.0	5.0	7.0	11.0	10.0	7.0	6.0	4.0	4.0	BF	BF	4.0	4.0	5.0	9.0	11.0	24.0	27.0	23.0	18.0	17.0	22	27.0
12	18.0	14.0	13.0	13.0	12.0	12.0	11.0	16.0	23.0	16.0	13.0	11.0	11.0	9.0	5.0	6.0	6.0	9.0	23.0	22.0	20.0	30.0	18.0	19.0	24	30.0
13	23.0	19.0	9.0	4.0	5.0	5.0	7.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	9.0	10.0	19.0	23.0	21.0	17.0	17.0	24	23.0
14	18.0	17.0	15.0	12.0	12.0	10.0	11.0	13.0	15.0	12.0	7.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	9.0	17.0	14.0	9.0	5.0	2.0	24	18.0
15	2.0	3.0	3.0	3.0	2.0	3.0	7.0	8.0	7.0	5.0	5.0	5.0	3.0	3.0	4.0	6.0	5.0	4.0	8.0	7.0	6.0	7.0	8.0	8.0	24	8.0
16	12.0	12.0	7.0	8.0	8.0	15.0	15.0	17.0	14.0	5.0	6.0	4.0	6.0	6.0	6.0	7.0	8.0	11.0	29.0	26.0	24.0	21.0	21.0	20.0	24	29.0
17	14.0	15.0	14.0	12.0	11.0	11.0	15.0	14.0	16.0	20.0	9.0	5.0	3.0	3.0	3.0	3.0	3.0	6.0	16.0	21.0	14.0	9.0	7.0	5.0	24	21.0
18	3.0	3.0	3.0	4.0	5.0	14.0	19.0	14.0	12.0	11.0	5.0	2.0	2.0	2.0	2.0	4.0	8.0	11.0	15.0	23.0	23.0	13.0	18.0	17.0	24	23.0
19	14.0	18.0	12.0	8.0	7.0	12.0	12.0	12.0	13.0	10.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	7.0	11.0	15.0	14.0	10.0	12.0	14.0	24	18.0
20	13.0	11.0	11.0	10.0	9.0	10.0	14.0	14.0	16.0	15.0	13.0	11.0	6.0	5.0	4.0	4.0	3.0	10.0	16.0	6.0	5.0	9.0	15.0	10.0	24	16.0
21	10.0	11.0	12.0	16.0	13.0	11.0	9.0	9.0	5.0	4.0	2.0	3.0	2.0	2.0	3.0	3.0	4.0	6.0	17.0	26.0	23.0	20.0	16.0	13.0	24	26.0
22	10.0	12.0	14.0	9.0	8.0	12.0	14.0	12.0	24.0	26.0	24.0	19.0	10.0	11.0	12.0	14.0	16.0	18.0	28.0	42.0	40.0	36.0	31.0	22.0	24	42.0
23	19.0	15.0	12.0	10.0	11.0	13.0	17.0	17.0	22.0	21.0	16.0	7.0	BA	BA	BA	5.0	6.0	10.0	16.0	26.0	35.0	21.0	22.0	26.0	21	35.0
24	21.0	19.0	14.0	12.0	8.0	11.0	15.0	16.0	BF	BF	BF	BF	BF	BF	5.0	5.0	6.0	9.0	25.0	45.0	42.0	34.0	32.0	29.0	18	45.0
25	25.0	20.0	17.0	14.0	12.0	12.0	14.0	18.0	27.0	20.0	5.0	3.0	2.0	2.0	2.0	2.0	7.0	12.0	26.0	21.0	22.0	21.0	11.0	12.0	24	27.0
26	10.0	14.0	12.0	15.0	17.0	20.0	19.0	17.0	13.0	12.0	8.0	4.0	3.0	3.0	3.0	5.0	5.0	6.0	8.0	7.0	12.0	8.0	9.0	6.0	24	20.0
27	5.0	5.0	4.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	6.0	6.0	5.0	4.0	4.0	3.0	2.0	24	6.0
28	4.0	4.0	4.0	3.0	2.0	3.0	3.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0	7.0	3.0	3.0	4.0	3.0	3.0	4.0	24	7.0
29	4.0	2.0	2.0	2.0	3.0	4.0	9.0	7.0	4.0	2.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	24	9.0
30	2.0	2.0	2.0	3.0	3.0	6.0	7.0	11.0	8.0	6.0	4.0	4.0	4.0	4.0	5.0	7.0	7.0	6.0	11.0	9.0	11.0	11.0	9.0	10.0	24	11.0
31	8.0	6.0	6.0	9.0	10.0	9.0	18.0	18.0	17.0	BF	BF	BF	4.0	4.0	4.0	3.0	4.0	10.0	14.0	19.0	23.0	24.0	20.0	18.0	21	24.0
NO.:	31	31	31	31	31	31	31	31	30	29	29	29	27	27	30	31	31	31	31	31	31	31	31	31		
MAX:	25.0	20.0	17.0	17.0	17.0	20.0	19.0	18.0	27.0	26.0	24.0	19.0	11.0	11.0	12.0	14.0	16.0	18.0	29.0	45.0	42.0	36.0	32.0	29.0		
AVG:	10.03	9.23	7.71	7.16	6.94	8.71	10.52	10.97	11.23	9.07	6.48	5.00	4.15	4.19	4.07	4.58	5.39	7.65	12.84	15.84	15.77	13.45	12.10	11.39		

MONTHLY OBSERVATIONS: 728 MONTHLY MEAN: 9.01 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)

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: NOVEMBER 2012

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	19.0	19.0	20.0	27.0	24.0	24.0	23.0	27.0	22.0	6.0	3.0	2.0	2.0	2.0	2.0	3.0	5.0	10.0	19.0	10.0	9.0	10.0	19.0	31.0	24	31.0
2	33.0	30.0	18.0	15.0	23.0	25.0	24.0	26.0	24.0	20.0	11.0	6.0	6.0	7.0	5.0	6.0	6.0	10.0	15.0	17.0	24.0	24.0	29.0	30.0	24	33.0
3	30.0	29.0	27.0	23.0	23.0	21.0	19.0	24.0	23.0	8.0	9.0	14.0	10.0	5.0	4.0	4.0	5.0	13.0	24.0	39.0	34.0	24.0	21.0	12.0	24	39.0
4	14.0	8.0	7.0	4.0	4.0	5.0	6.0	8.0	5.0	5.0	6.0	6.0	6.0	6.0	5.0	6.0	8.0	10.0	13.0	10.0	10.0	6.0	4.0	4.0	24	14.0
5	5.0	5.0	5.0	3.0	4.0	4.0	8.0	14.0	9.0	6.0	6.0	4.0	3.0	3.0	3.0	4.0	5.0	10.0	32.0	34.0	19.0	14.0	10.0	8.0	24	34.0
6	6.0	6.0	5.0	3.0	3.0	4.0	6.0	8.0	7.0	10.0	9.0	11.0	9.0	9.0	10.0	9.0	11.0	13.0	17.0	17.0	20.0	22.0	20.0	18.0	24	22.0
7	11.0	12.0	12.0	12.0	16.0	17.0	23.0	23.0	AZ	AZ	AZ	AZ	AZ	AZ	8.0	9.0	12.0	19.0	30.0	29.0	29.0	30.0	26.0	20.0	18	30.0
8	12.0	16.0	22.0	22.0	18.0	20.0	21.0	25.0	21.0	10.0	7.0	6.0	5.0	5.0	6.0	7.0	7.0	14.0	25.0	26.0	28.0	36.0	34.0	33.0	24	36.0
9	32.0	30.0	27.0	31.0	31.0	25.0	25.0	25.0	32.0	21.0	20.0	12.0	11.0	8.0	11.0	12.0	11.0	21.0	37.0	45.0	43.0	39.0	36.0	32.0	24	45.0
10	30.0	27.0	25.0	23.0	21.0	19.0	18.0	19.0	23.0	23.0	12.0	9.0	9.0	8.0	6.0	6.0	6.0	10.0	45.0	50.0	46.0	42.0	34.0	20.0	24	50.0
11	21.0	25.0	21.0	24.0	21.0	20.0	22.0	21.0	15.0	11.0	9.0	5.0	5.0	4.0	4.0	4.0	4.0	6.0	26.0	30.0	30.0	16.0	6.0	7.0	24	30.0
12	7.0	3.0	2.0	2.0	3.0	2.0	3.0	6.0	6.0	7.0	6.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	5.0	6.0	5.0	4.0	4.0	4.0	24	7.0
13	4.0	3.0	4.0	4.0	2.0	2.0	4.0	7.0	7.0	6.0	5.0	4.0	BF	BF	BF	5.0	6.0	10.0	14.0	14.0	20.0	22.0	22.0	13.0	21	22.0
14	12.0	11.0	8.0	5.0	6.0	7.0	10.0	14.0	10.0	6.0	5.0	4.0	4.0	5.0	4.0	4.0	6.0	10.0	10.0	9.0	7.0	6.0	7.0	5.0	24	14.0
15	4.0	4.0	4.0	5.0	6.0	10.0	12.0	12.0	15.0	12.0	11.0	11.0	11.0	9.0	8.0	9.0	12.0	17.0	23.0	24.0	25.0	23.0	22.0	20.0	24	25.0
16	17.0	13.0	14.0	11.0	11.0	15.0	20.0	20.0	16.0	14.0	11.0	9.0	8.0	7.0	9.0	BA	10.0	23.0	36.0	34.0	32.0	29.0	30.0	28.0	23	36.0
17	27.0	23.0	18.0	15.0	14.0	12.0	13.0	12.0	11.0	8.0	7.0	7.0	6.0	5.0	5.0	6.0	6.0	8.0	10.0	11.0	8.0	6.0	6.0	8.0	24	27.0
18	10.0	8.0	6.0	5.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	7.0	5.0	6.0	4.0	3.0	4.0	4.0	4.0	24	10.0
19	4.0	4.0	4.0	4.0	5.0	5.0	8.0	12.0	9.0	8.0	7.0	6.0	6.0	6.0	6.0	7.0	10.0	13.0	20.0	22.0	20.0	27.0	18.0	11.0	24	27.0
20	9.0	9.0	9.0	8.0	8.0	12.0	19.0	21.0	18.0	15.0	BF	BF	BF	8.0	6.0	9.0	10.0	14.0	32.0	36.0	33.0	29.0	28.0	25.0	21	36.0
21	27.0	19.0	17.0	18.0	23.0	22.0	24.0	24.0	20.0	17.0	13.0	10.0	7.0	7.0	7.0	6.0	9.0	16.0	36.0	42.0	41.0	37.0	34.0	24.0	24	42.0
22	17.0	27.0	20.0	19.0	15.0	9.0	9.0	11.0	8.0	9.0	8.0	7.0	6.0	5.0	6.0	5.0	7.0	10.0	26.0	38.0	38.0	34.0	32.0	30.0	24	38.0
23	31.0	27.0	28.0	24.0	22.0	23.0	19.0	19.0	23.0	20.0	15.0	14.0	11.0	7.0	6.0	5.0	7.0	10.0	21.0	22.0	16.0	4.0	3.0	5.0	24	31.0
24	2.0	4.0	4.0	4.0	4.0	7.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	8.0	16.0	18.0	8.0	8.0	9.0	7.0	24	18.0
25	5.0	9.0	15.0	16.0	21.0	21.0	22.0	20.0	15.0	6.0	5.0	5.0	4.0	4.0	3.0	3.0	4.0	8.0	14.0	12.0	18.0	22.0	20.0	26.0	24	26.0
26	15.0	20.0	21.0	26.0	27.0	25.0	29.0	34.0	33.0	27.0	15.0	10.0	6.0	5.0	7.0	7.0	8.0	20.0	41.0	29.0	25.0	37.0	36.0	33.0	24	41.0
27	26.0	18.0	14.0	11.0	11.0	15.0	18.0	18.0	BF	BF	BF	BC	BC	BC	BC	BC	21.0	25.0	25.0	17.0	14.0	11.0	12.0	10.0	16	26.0
28	6.0	5.0	6.0	9.0	15.0	19.0	20.0	20.0	12.0	7.0	7.0	8.0	7.0	8.0	8.0	7.0	7.0	15.0	35.0	34.0	31.0	30.0	31.0	29.0	24	35.0
29	27.0	25.0	23.0	19.0	20.0	20.0	20.0	26.0	32.0	19.0	10.0	10.0	10.0	8.0	6.0	6.0	7.0	11.0	18.0	26.0	27.0	30.0	33.0	27.0	24	33.0
30	23.0	27.0	29.0	18.0	23.0	24.0	24.0	27.0	28.0	22.0	16.0	17.0	10.0	5.0	5.0	4.0	6.0	17.0	28.0	24.0	23.0	22.0	25.0	24.0	24	29.0
31																									0	
NO.:	30	30	30	30	30	30	30	30	28	28	27	27	26	27	28	28	30	30	30	30	30	30	30	30		
MAX:	33.0	30.0	29.0	31.0	31.0	25.0	29.0	34.0	33.0	27.0	20.0	17.0	11.0	9.0	11.0	12.0	21.0	25.0	45.0	50.0	46.0	42.0	36.0	33.0		
AVG:	16.20	15.53	14.50	13.67	14.27	14.60	16.00	17.77	16.14	11.79	8.89	7.70	6.62	5.81	5.75	5.89	7.70	12.67	23.30	24.30	22.87	21.60	20.50	18.27		

MONTHLY OBSERVATIONS: 699 MONTHLY MEAN: 14.44 MONTHLY MAX: 50.0

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 2012

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	25.0	24.0	25.0	23.0	16.0	15.0	22.0	20.0	19.0	27.0	19.0	14.0	11.0	6.0	4.0	4.0	5.0	7.0	34.0	39.0	35.0	31.0	30.0	30.0	24	39.0
2	26.0	27.0	19.0	14.0	17.0	18.0	15.0	14.0	16.0	22.0	15.0	8.0	6.0	4.0	3.0	3.0	3.0	5.0	10.0	14.0	18.0	12.0	10.0	8.0	24	27.0
3	9.0	12.0	7.0	7.0	8.0	13.0	18.0	18.0	19.0	BF	BF	BF	5.0	4.0	5.0	6.0	7.0	13.0	19.0	21.0	22.0	17.0	17.0	15.0	21	22.0
4	19.0	14.0	17.0	16.0	15.0	13.0	16.0	20.0	21.0	22.0	16.0	13.0	7.0	4.0	3.0	4.0	6.0	11.0	15.0	11.0	11.0	10.0	7.0	7.0	24	22.0
5	5.0	4.0	4.0	4.0	4.0	4.0	7.0	11.0	11.0	7.0	6.0	8.0	7.0	8.0	10.0	12.0	12.0	13.0	13.0	13.0	8.0	9.0	10.0	19.0	24	19.0
6	21.0	13.0	11.0	10.0	8.0	8.0	11.0	12.0	9.0	6.0	5.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0	6.0	24	21.0
7	6.0	7.0	10.0	8.0	11.0	15.0	16.0	17.0	17.0	18.0	15.0	12.0	9.0	15.0	19.0	19.0	19.0	19.0	20.0	14.0	12.0	15.0	19.0	21.0	24	21.0
8	22.0	23.0	15.0	12.0	9.0	6.0	6.0	8.0	9.0	8.0	7.0	6.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	5.0	8.0	11.0	24	23.0
9	10.0	9.0	8.0	7.0	6.0	5.0	7.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0	4.0	4.0	6.0	9.0	14.0	15.0	13.0	12.0	8.0	24	15.0
10	7.0	8.0	7.0	5.0	5.0	5.0	6.0	5.0	6.0	5.0	5.0	4.0	3.0	3.0	4.0	3.0	4.0	7.0	7.0	4.0	2.0	2.0	2.0	2.0	24	8.0
11	1.0	2.0	2.0	2.0	3.0	4.0	9.0	16.0	7.0	6.0	4.0	4.0	5.0	5.0	6.0	6.0	6.0	11.0	14.0	9.0	6.0	5.0	6.0	6.0	24	16.0
12	6.0	4.0	5.0	5.0	5.0	6.0	7.0	12.0	12.0	9.0	8.0	7.0	8.0	10.0	12.0	15.0	17.0	13.0	9.0	8.0	8.0	9.0	7.0	5.0	24	17.0
13	4.0	5.0	5.0	7.0	6.0	6.0	9.0	11.0	12.0	8.0	7.0	7.0	6.0	BF	BF	BF	8.0	14.0	33.0	32.0	33.0	33.0	32.0	31.0	21	33.0
14	28.0	25.0	24.0	23.0	24.0	24.0	28.0	29.0	28.0	29.0	22.0	24.0	20.0	18.0	21.0	21.0	26.0	37.0	39.0	38.0	35.0	34.0	31.0	29.0	24	39.0
15	28.0	26.0	26.0	26.0	25.0	25.0	25.0	21.0	25.0	32.0	30.0	20.0	9.0	8.0	5.0	5.0	7.0	17.0	23.0	22.0	17.0	22.0	19.0	19.0	24	32.0
16	20.0	10.0	6.0	6.0	6.0	7.0	6.0	5.0	6.0	5.0	5.0	4.0	4.0	5.0	4.0	5.0	6.0	7.0	7.0	7.0	9.0	11.0	11.0	8.0	24	20.0
17	6.0	5.0	6.0	4.0	4.0	8.0	12.0	20.0	15.0	10.0	8.0	5.0	5.0	5.0	6.0	7.0	6.0	6.0	5.0	5.0	4.0	4.0	2.0	2.0	24	20.0
18	2.0	2.0	3.0	2.0	3.0	3.0	4.0	6.0	7.0	9.0	4.0	3.0	3.0	4.0	4.0	5.0	7.0	19.0	23.0	26.0	30.0	27.0	25.0	26.0	24	30.0
19	17.0	13.0	10.0	10.0	9.0	14.0	20.0	25.0	26.0	22.0	19.0	16.0	12.0	8.0	8.0	8.0	11.0	15.0	32.0	37.0	38.0	34.0	31.0	29.0	24	38.0
20	29.0	28.0	27.0	24.0	26.0	26.0	22.0	13.0	12.0	9.0	7.0	9.0	9.0	9.0	11.0	11.0	12.0	8.0	5.0	11.0	9.0	5.0	4.0	3.0	24	29.0
21	2.0	3.0	3.0	2.0	2.0	3.0	4.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	5.0	7.0	9.0	9.0	7.0	7.0	5.0	5.0	24	9.0
22	4.0	3.0	3.0	3.0	2.0	3.0	6.0	12.0	13.0	6.0	4.0	3.0	4.0	6.0	4.0	4.0	5.0	9.0	14.0	19.0	27.0	25.0	17.0	26.0	24	27.0
23	30.0	32.0	31.0	30.0	28.0	29.0	29.0	28.0	26.0	27.0	21.0	12.0	7.0	6.0	6.0	5.0	6.0	12.0	20.0	15.0	16.0	12.0	9.0	9.0	24	32.0
24	7.0	6.0	6.0	5.0	5.0	6.0	6.0	6.0	8.0	8.0	8.0	10.0	11.0	8.0	6.0	4.0	5.0	5.0	5.0	5.0	5.0	6.0	4.0	4.0	24	11.0
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	2.0	2.0	2.0	2.0	3.0	6.0	13.0	17.0	7.0	4.0	3.0	2.0	24	17.0
26	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0	7.0	6.0	BF	BF	BF	9.0	7.0	5.0	5.0	4.0	5.0	6.0	8.0	6.0	21	9.0
27	5.0	7.0	7.0	4.0	5.0	8.0	9.0	17.0	14.0	9.0	7.0	7.0	6.0	5.0	5.0	5.0	6.0	13.0	27.0	20.0	11.0	7.0	6.0	5.0	24	27.0
28	5.0	4.0	6.0	8.0	13.0	19.0	21.0	21.0	18.0	10.0	6.0	3.0	4.0	6.0	6.0	7.0	7.0	10.0	15.0	24.0	26.0	24.0	22.0	16.0	24	26.0
29	18.0	16.0	11.0	8.0	5.0	5.0	7.0	14.0	12.0	10.0	12.0	10.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	24	18.0
30	4.0	4.0	5.0	5.0	7.0	6.0	10.0	14.0	14.0	6.0	4.0	2.0	3.0	4.0	4.0	5.0	5.0	8.0	17.0	29.0	30.0	28.0	29.0	28.0	24	30.0
31	26.0	25.0	24.0	25.0	23.0	23.0	22.0	25.0	23.0	18.0	9.0	5.0	4.0	4.0	4.0	4.0	5.0	7.0	11.0	11.0	10.0	12.0	9.0	8.0	24	26.0
NO.:	31	31	31	31	31	31	31	31	31	30	30	30	30	29	29	30	31	31	31	31	31	31	31	31		
MAX:	30.0	32.0	31.0	30.0	28.0	29.0	29.0	29.0	28.0	32.0	30.0	24.0	20.0	18.0	21.0	21.0	26.0	37.0	39.0	39.0	38.0	34.0	32.0	31.0		
AVG:	12.81	11.77	10.84	9.94	9.77	10.65	12.39	14.06	13.52	12.07	9.73	7.93	6.47	6.14	6.34	6.73	7.58	10.52	15.13	15.94	15.19	14.19	13.10	12.84		

MONTHLY OBSERVATIONS: 735 MONTHLY MEAN: 11.11 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.

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
AM	Miscellaneous Void	NULL
AV	Power Failure	NULL
AZ	Q C Audit	NULL
BA	Maintenance/Routine Repairs	NULL
BC	Multi-point Calibration	NULL
BE	Building/Site Repair	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.