UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XJLSTEGER

RAW DATA REPORT

Report Request ID: 1657123

Report Code: AMP350

May. 30, 2018

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		

AGENCY SELECTIONS

North Carolina Dept Of Environmental Quality

SELECTED OPTIONS

Option Type	Option Value
INCLUDE NULLS	YES
DAILY STATISTICS	MAXIMUM
UNITS	STANDARD
RAW DATA EVENTS	INCLUDE EVENTS
MERGE PDF FILES	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
2016 01 01	2016 12 31

APPLICABLE STANDARDS

Standard Description
NO2 Annual 1971

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 30, 2018

(42602) Nitrogen dioxide (NO2)

SITE ID: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

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	2.4	BF	BF	1.3	1.2	1.1	1.0	.9	.7	.7	.6	.5	.4	.4	.4	.7	.5	.6	1.3	1.9	.6	.8	.7	.5	22	2.4
2	.9	BF	BF	.7	.7	.6	.5	.5	.3	.3	.3	.2	.1	.0	.0	.3	2.5	4.6	2.6	.9	.5	1.5	1.3	.7	22	4.6
3	.4	BF	BF	.9	.9	1.1	1.2	.9	1.3	1.8	1.5	1.1	.9	.6	.4	.3	1.4	2.1	1.2	.6	1.7	.7	.6	.6	22	2.1
4	.7	BF	BF	1.2	1.4	1.8	1.6	1.6	1.3	1.8	.5	.3	.3	.5	.7	.6	.5	.4	.6	.6	.6	.8	.7	.8	22	1.8
5	.8	BF	BF	.9	1.0	1.3	2.1	2.2	2.0	1.5	1.5	1.4	1.2	1.0	1.0	1.2	2.3	2.7	3.8	3.9	3.5	3.3	3.3	3.7	22	3.9
6	3.5	BF	BF	2.5	3.2	3.3	3.6	4.3	4.9	4.4	4.1	4.0	4.8	4.3	5.0	5.6	6.5	7.7	7.9	6.1	5.9	6.3	5.9	4.8	22	7.9
7	3.4	BF	BF	1.7	1.7	1.5	1.5	1.5	1.5	1.9	2.6	3.1	2.8	3.5	3.2	2.7	2.6	3.6	4.1	3.9	3.6	3.0	2.1	1.8	22	4.1
8	1.4	BF	BF	1.9	1.7	1.6	1.6	1.7	2.0	1.8	2.1	1.5	1.4	1.6	1.7	2.8	3.5	4.2	5.0	5.4	4.8	3.9	3.5	2.7	22	5.4
9	2.6	BF	BF	2.5	2.4	2.1	2.1	2.4	2.1	.6	2.1	2.2	2.4	3.0	3.2	3.4	3.6	2.8	2.0	1.7	1.7	1.1	.8	.9	22	3.6
10	.6	BF	BF	.6	.4	.4	.4	.3	.2	.2	.1	.1	.1	.1	.1	.2	.4	.7	.9	1.5	1.7	1.6	1.2	.9	22	1.7
11	.8	BF	BF	.5	.5	.6	.6	5.1	.8	.8	.6	.4	.3	.5	.3	.3	.3	1.6	2.3	1.3	1.3	1.2	1.2	1.2	22	5.1
12	1.2	BF	BF	2.0	1.8	2.2	3.4	3.6	3.6	2.4	1.4	1.0	.8	.6	.5	.5	.6	.7	.8	.9	1.0	.8	.8	.8	22	3.6
13	.7	BF	BF	.7	.8	1.2	1.0	1.1	1.4	BF	BF	BF	BF	BF	BF	BF	BF	.8	.8	1.1	1.5	2.0	2.0	1.9	14	2.0
14	1.7	BF	BF	1.0	1.1	1.4	1.5	2.8	1.9	2.3	2.0	1.7	.9	.3	.1	.2	.5	3.2	2.4	2.3	3.3	2.8	3.1	3.1	22	3.3
15	3.3	BF	BF	2.6	2.4	2.1	3.5	4.7	5.9	6.4	5.9	5.9	4.5	4.8	4.3	2.3	2.2	2.8	2.9	1.8	3.2	2.2	1.4	1.4	22	6.4
16	1.3	BF	1.4	1.3	1.1	.8	.7	.7	.5	.3	.3	.3	.2	.2	.1	.1	.1	.2	1.2	3.2	.9	.6	.5	.5	23	3.2
17	.7	BF	1.0	1.6	1.6	.8	.6	.8	1.1	1.1	1.0	1.2	1.2	.8	.9	.7	.6	.9	3.5	1.5	.8	1.4	.9	.9	23	3.5
18	.8	BF	1.0	.8	.6	.6	.7	.9	.7	.8	.7	.9	.7	.7	.5	.4	.5	.7	.8	1.0	1.7	1.6	1.5	1.0	23	1.7
19	.8	BF	.8	1.1	1.3	1.2	1.2	1.4	1.2	1.1	1.2	1.8	1.4	.7	.9	1.3	1.5	1.6	1.4	1.3	1.6	1.6	2.0	1.4	23	2.0
20	1.6	BF	1.3	1.1	1.7	2.0	1.6	1.5	1.9	1.8	1.6	1.2	1.4	3.1	2.9	3.2	3.6	2.3	2.0	1.8	1.7	1.8	1.6	1.5	23	3.6
21	1.6	BF	2.2	2.0	2.5	2.8	2.9	4.7	4.1	2.3	1.5	.9	.6	.5	.4	.4	.6	4.7	5.3	4.8	5.6	5.1	3.8	3.0	23	5.6
22	2.2	BF	1.4	1.5	1.5	2.2	2.3	2.0	1.9	2.1	2.3	3.1	3.4	3.9	3.5	2.7	2.9	3.2	2.4	2.1	1.7	1.4	2.5	3.2	23	3.9
23	2.9	BF	4.1	4.9	4.4	3.5	2.5	1.8	1.4	1.0	.9	.8	.9	1.2	1.3	1.3	1.3	1.4	1.7	1.6	1.4	1.5	1.4	1.2	23	4.9
24	1.0	BF	1.0	1.4	1.2	1.0	1.0	1.0	1.1	1.0	.7	.4	.3	.1	.1	.2	.2	1.8	1.3	1.1	.5	.5	.4	.6	23	1.8
25	.5	BF	1.3	1.3	1.1	1.5	1.5	1.5	1.9	1.9	1.9	1.2	.9	.9	1.0	1.0	1.7	1.4	1.4	2.0	2.2	1.9	1.9	2.3	23	2.3
26	2.1	BF	1.9	2.0	2.0	1.9	2.0	1.6	1.8	1.1	.7	.4	BA	BF	.3	.4	.8	2.2	2.6	1.8	1.7	2.0	2.7	1.8	21	2.7
27	2.3	BF	1.8	1.4	1.3	1.1	2.4	6.0	2.6	3.1	2.8	BF	BF	BF	BF	2.1	2.8	5.0	4.9	4.0	4.5	3.9	3.5	3.5	19	6.0
28	3.0	BF	2.7	2.6	3.0	4.1	4.2	4.3	4.6	4.7	4.0	3.4	3.8	3.6	3.3	3.4	2.8	4.6	3.7	2.5	2.2	2.3	2.1	2.3	23	4.7
29	2.3	BF	2.6	4.2	7.0	7.5	7.2	6.7	5.4	4.2	3.7	1.6	.9	.5	.3	.3	.5	.8	.9	1.1	1.2	1.0	1.2	1.0	23	7.5
30	1.1	BF	.7	1.0	1.1	1.1	1.4	1.9	1.2	1.2	1.3	.9	.9	.6	.5	.7	1.2	2.1	3.6	2.6	3.2	1.4	1.6	2.0	23	3.6
31	1.4	BF	1.0	.9	1.0	1.0	1.1	.6	.4	.4	.2	.2	.1	.1	.1	.5	.3	1.0	1.2	1.0	.5	.6	.7	.8	23	1.4
NO.:	31		16	31	31	31	31	31	31	30	30	29	28	28	29	30	30	31	31	31	31	31	31	31		
MAX:	3.5		4.1	4.9	7.0	7.5	7.2	6.7	5.9	6.4	5.9	5.9	4.8	4.8	5.0	5.6	6.5	7.7	7.9	6.1	5.9	6.3	5.9	4.8		
AVG:	1.61		1.64	1.62	1.73	1.79	1.90	2.29	1.99	1.83	1.67	1.44	1.34	1.36	1.28	1.33	1.63	2.34	2.47	2.17	2.14	1.95	1.84	1.70		

MONTHLY OBSERVATIONS: 684 MONTHLY MEAN: 1.80 MONTHLY MAX: 7.9

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.

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ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
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PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

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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	1.1	BF	.7	.5	.6	.6	.9	1.3	1.4	.9	.5	.2	.2	.1	.0	.0	.1	.2	.6	1.2	.8	.6	.3	.2	23	1.4
2	.4	BF	.5	.6	1.5	1.5	1.8	2.0	2.5	2.4	1.6	1.2	1.0	.8	1.1	1.5	1.7	2.9	4.3	3.4	1.7	1.3	.7	.6	23	4.3
3	.6	BF	.7	.6	.6	.7	.6	.6	.7	.6	.4	.3	.3	.2	.3	.3	.6	.8	1.0	.4	1.1	1.3	.8	.8	23	1.3
4	.5	BF	.4	.3	.5	.4	.7	.4	.4	.4	.6	1.7	1.6	1.5	1.4	2.1	2.6	2.7	2.9	2.7	1.9	1.3	1.2	1.2	23	2.9
5	1.5	BF	.9	.6	.6	.6	.7	.9	1.1	.8	.6	.5	.4	.5	.4	.3	.4	.9	3.2	2.4	1.4	2.0	2.5	1.2	23	3.2
6	1.1	BF	.8	.8	.7	1.1	.9	1.0	.9	2.0	1.7	1.1	.7	.4	.3	.2	.6	1.2	3.0	4.8	3.5	3.0	2.0	2.0	23	4.8
7	2.1	BF	2.7	3.5	3.0	3.1	2.5	1.8	2.1	1.8	3.2	6.2	3.8	1.4	1.1	1.4	1.5	1.0	.7	.8	1.0	1.0	.7	.8	23	6.2
8	.8	BF	.9	1.2	1.2	1.3	2.7	2.3	2.6	2.9	2.0	2.3	.8	.8	.7	1.0	.4	.6	1.5	1.1	1.3	5.3	1.9	.8	23	5.3
9	.5	BF	1.1	1.7	1.8	1.5	1.4	1.3	1.7	1.8	.7	.5	1.0	1.2	1.4	1.2	1.2	1.4	1.5	.9	.6	.5	.6	.6	23	1.8
10	.7	BF	.7	.8	.9	1.2	1.9	2.6	2.1	1.7	BF	BF	BF	BF	2.6	1.6	1.5	.6	.5	.5	.5	.6	.7	.7	19	2.6
11	.7	BF	.9	.9	.9	.9	1.3	4.7	1.6	.8	.6	.8	.6	.7	.7	.6	1.0	1.3	5.0	2.5	2.6	3.0	3.3	4.3	23	5.0
12	5.4	BF	4.1	4.0	3.5	2.4	2.0	2.9	2.6	2.7	3.0	2.9	2.8	3.1	2.9	3.3	3.6	4.9	4.8	3.6	2.8	2.5	2.6	2.4	23	5.4
13	2.2	BF	2.1	2.3	1.6	.9	.6	.6	.9	.6	.5	.5	.5	.3	.4	.4	.5	.6	.8	.7	.6	.5	.7	.6	23	2.3
14	.6	BF	.7	.6	.5	.5	.6	5.7	1.9	2.2	1.4	1.0	1.0	1.0	.8	.7	.6	.6	.7	1.2	1.7	1.4	.8	.6	23	5.7
15	.4	BF	.5	.7	.8	1.6	1.9	1.3	2.0	3.7	2.7	2.0	1.7	2.2	2.9	3.5	4.3	4.7	4.4	3.7	3.0	2.8	2.9	3.2	23	4.7
16	2.8	BF	1.3	.6	.0	.1	1.6	.7	.5	.9	.9	1.0	.7	.3	.3	.3	.4	.4	.9	2.2	2.5	.8	.9	1.5	23	2.8
17	1.4	BF	1.3	1.1	1.1	1.3	3.0	4.2	1.5	3.3	1.9	1.0	.7	.5	.7	.8	.8	1.5	2.4	1.3	.8	.9	1.0	.8	23	4.2
18	.7	BF	1.6	1.4	1.0	2.7	3.4	5.2	5.7	4.6	3.8	2.4	1.2	.7	.8	2.2	1.2	1.6	2.9	2.0	3.7	4.4	4.5	3.5	23	5.7
19	2.8	BF	2.3	3.3	3.2	3.8	6.0	6.8	6.1	3.0	1.8	1.6	1.1	1.2	1.2	.9	.5	.8	1.3	1.6	1.7	2.3	2.9	2.7	23	6.8
20	2.0	BF	1.6	1.6	.6	.7	.6	.5	.6	.6	.5	.4	.4	.5	.4	.3	.4	.4	.5	.6	.3	.4	.7	.7	23	2.0
21	.7	BF	.8	.7	.6	.8	.8	.7	.6	.6	.7	.5	.5	.3	.1	.1	.7	.3	.4	.8	.5	.3	.3	.3	23	.8
22	.3	BF	.3	.3	.3	.5	1.6	3.5	3.4	4.3	2.6	1.3	1.6	1.9	1.6	5.2	3.9	2.5	2.2	2.7	1.4	.8	.7	.6	23	5.2
23	.5	BF	.3	.4	.3	1.1	1.6	1.4	1.2	1.9	BF	BF	BF	BF	BF	2.9	3.3	3.5	4.6	4.7	4.9	4.7	4.5	4.7	18	4.9
24	4.0	BF	2.7	2.7	2.9	2.4	2.3	2.0	1.0	.6	.4	.3	.3	.2	.0	.1	AV	AV	.1	.1	.1	.2	.3	.4	21	4.0
25	.8	BF	.7	.7	.7	.7	.6	.6	.5	.5	.7	.6	.3	.3	.4	.4	.4	.3	.5	.3	.4	.4	.4	.4	23	.8
26	.5	BF	1.0	.9	1.3	1.4	1.5	1.7	1.5	2.0	2.3	1.8	1.6	1.0	.4	.3	.3	.6	1.0	1.0	.9	.9	.9	.9	23	2.3
27	.9	BF	1.1	.9	.8	.8	1.0	.8	1.2	1.3	.9	.7	.4	.3	.2	.2	.7	1.4	2.8	2.1	1.8	1.4	1.4	AE	22	2.8
28	1.0	BF	1.3	.7	.6	.8	.7	.6	.7	.9	.5	.2	.2	.1	.1	.1	.2	.2	.8	.7	.7	.8	1.2	1.3	23	1.3
29	1.2	BF	.7	.7	.7	.7	.9	1.1	.8	.6	.5	.4	.2	.2	.4	1.0	1.3	.7	1.0	1.8	1.1	.7	.6	1.3	23	1.8
30																									0	
31																									0	
NO.:	29		29	29	29	29	29	29	29	29	27	27	27	27	28	29	28	28	29	29	29	29	29	28		
MAX:	5.4		4.1	4.0	3.5	3.8	6.0	6.8	6.1	4.6	3.8	6.2	3.8	3.1	2.9	5.2	4.3	4.9	5.0	4.8	4.9	5.3	4.5	4.7		
AVG:	1.32		1.20	1.21	1.13	1.24	1.59	2.04	1.72	1.74	1.37	1.24	.95	.80	.84	1.13	1.24	1.38	1.94	1.79	1.56	1.59	1.45	1.40		

MONTHLY OBSERVATIONS: 655 MONTHLY MEAN: 1.39 MONTHLY MAX: 6.8

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.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
RAW DATA REPORT

May. 30, 2018

(42602) Nitrogen dioxide (NO2)

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PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

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MIN DETECTABLE: .1

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1	.8	BF	.6	.6	.7	2.0	2.6	5.4	4.1	4.6	2.1	.9	.4	.2	.2	.4	.6	.7	1.4	.7	1.0	.8	.6	.9	23	5.4
2	.8	BF	.5	.4	.1	.2	.6	1.9	.8	1.0	1.0	.9	1.3	1.1	1.2	1.3	1.1	.7	.9	1.0	1.0	1.3	1.4	1.3	23	1.9
3	1.2	BF	2.4	1.1	1.7	2.0	3.3	4.8	4.6	3.4	1.7	1.4	1.4	.9	1.5	1.7	1.9	1.5	2.2	1.5	1.5	1.6	1.8	1.4	23	4.8
4	1.4	BF	1.0	1.0	.8	.3	1.3	4.3	1.2	1.3	1.7	.6	1.1	.9	.4	.2	.3	.6	2.2	1.1	1.0	1.0	.8	1.0	23	4.3
5	1.1	BF	.9	.8	.7	.8	1.7	2.0	1.6	1.4	1.0	.8	.5	.4	.5	.6	.5	1.0	2.6	2.3	2.2	2.2	1.6	1.4	23	2.6
6	1.8	BF	1.7	1.6	1.5	1.6	1.3	1.1	.8	.7	.5	.4	.4	.3	.1	.4	.2	.4	1.1	1.1	1.5	1.4	1.0	1.5	23	1.8
7	1.5	BF	1.9	1.6	1.4	2.1	1.6	1.3	.8	.8	.9	.3	.4	.3	.1	.2	.3	.3	2.6	1.4	1.1	1.8	1.8	2.3	23	2.6
8	1.4	BF	1.7	1.1	.9	.8	.8	.9	1.4	.9	BF	BF	BF	BF	BF	BF	.2	.3	1.2	2.5	1.4	1.0	.8	.8	17	2.5
9	.8	BF	1.2	.8	.7	2.2	2.4	2.9	.6	.2	.0	.1	.0	.0	.0	.2	.6	1.0	1.6	1.3	1.3	1.1	1.2	1.0	23	2.9
10	1.2	BF	.8	.6	.3	.3	1.1	.8	1.4	.8	.2	.1	.2	.1	.1	.2	.3	.7	.8	1.1	.9	2.4	2.2	1.3	23	2.4
11	.5	BF	.4	.7	.3	.4	1.0	.8	.5	.4	.3	.2	.2	.1	.0	.2	.3	2.9	1.5	3.5	1.8	2.8	1.2	1.3	23	3.5
12	1.0	BF	.5	.6	.7	.7	.9	1.2	.8	.7	.5	.5	.5	.4	.5	.3	.2	.9	1.7	1.7	1.6	1.5	1.0	.6	23	1.7
13	1.2	BF	.8	.5	.5	.6	.8	.7	.9	.4	.4	.3	.2	.4	.2	.2	.2	.4	4.0	3.2	.6	.4	.4	.4	23	4.0
14	.6	BF	.9	1.1	1.2	1.6	1.4	.7	.5	.5	.4	.3	.2	.4	.1	.4	1.0	.8	1.3	1.7	1.7	1.3	.6	.5	23	1.7
15	.5	BF	.5	.6	.8	.8	.7	.5	.6	.6	.4	.3	.2	.2	.1	.2	.2	.1	3.1	3.1	1.3	.6	.7	2.7	23	3.1
16	1.4	BF	1.6	1.3	1.7	3.5	5.1	2.3	1.2	.8	.6	.4	.4	.4	.5	.4	.5	.5	.8	1.6	.9	.7	.7	.8	23	5.1
17	.7	BF	1.5	.5	.9	1.6	1.6	2.5	1.8	1.7	1.4	1.9	1.0	.5	.3	.2	.1	.2	.6	.6	.4	.4	.5	.9	23	2.5
18	.8	BF	1.0	.9	2.0	2.1	5.5	4.6	2.6	1.3	.8	.3	.4	.3	.2	.2	.3	.9	4.3	2.7	1.9	1.7	3.5	3.2	23	5.5
19	2.4	BF	2.5	2.3	2.6	2.3	1.9	2.6	3.0	2.6	3.4	2.6	5.0	3.4	2.6	2.1	1.9	2.2	2.2	4.6	1.7	1.5	.9	.6	23	5.0
20	.6	BF	.7	.7	.8	.7	.7	.7	.8	.9	1.0	1.1	1.1	1.4	1.7	1.8	1.7	1.9	1.8	1.6	1.5	1.5	1.8	1.4	23	1.9
21	1.0	BF	.6	.5	.7	.8	.8	1.0	1.2	1.1	.8	.5	.5	.3	.2	.1	.2	.2	.2	.3	.4	.7	1.3	1.2	23	1.3
22	1.2	BF	1.2	1.2	7.4	4.1	7.8	4.4	2.0	BF	BF	BF	BF	BF	.7	.4	.7	1.1	1.7	2.0	1.4	1.5	1.4	1.6	18	7.8
23	1.8	BF	1.8	1.6	1.1	1.6	2.4	1.7	BC	BC	BC	BC	BC	BC	BC	BC	BC	1.0	2.0	1.5	1.5	1.0	1.2	1.1	14	2.4
24	1.1	BF	1.4	1.4	1.5	2.4	2.6	2.3	1.7	1.2	1.1	.6	.6	.3	.5	.4	.4	.5	1.0	.9	1.4	.7	1.0	.6	23	2.6
25	.7	BF	.9	.7	.5	.8	.9	.9	.7	.5	.5	.4	.3	.3	.3	.3	.4	.4	.6	.8	1.0	.7	.7	.8	23	1.0
26	.6	BF	.7	1.0	1.1	1.2	1.9	1.9	1.7	1.6	1.4	1.5	1.3	1.0	.9	1.3	2.9	1.9	2.6	2.3	1.8	1.5	1.5	1.7	23	2.9
27	1.7	BF	1.2	1.2	1.2	1.2	1.4	1.3	1.2	1.2	1.4	1.4	1.2	1.3	1.6	1.5	2.1	2.4	2.0	2.0	1.9	1.8	1.7	1.5	23	2.4
28	1.2	BF	.3	.4	.8	.8	.8	.9	1.0	1.1	1.1	.9	.5	.4	.3	.2	.3	.3	.4	.5	1.5	1.1	.8	.7	23	1.5
29	.8	BF	.7	.7	.8	.8	.7	.9	1.2	.6	.6	.3	.3	.2	.2	.3	.2	.3	.3	.8	1.0	1.1	1.6	1.6	23	1.6
30	2.4	BF	2.1	1.3	1.5	2.6	4.1	4.1	2.4	1.1	.8	.5	.4	.4	.5	.6	.7	1.5	1.8	1.4	2.0	1.7	1.7	1.2	23	4.1
31	1.2	BF	1.3	1.2	1.2	1.3	1.1	1.0	.8	.7	.6	.4	.3	.3	.3	.5	.7	1.0	.9	.7	.7	.7	.7	.8	23	1.3
NO.:	31		31	31	31	31	31	31	30	29	28	28	28	28	29	29	30	31	31	31	31	31	31	31		
MAX:	2.4		2.5	2.3	7.4	4.1	7.8	5.4	4.6	4.6	3.4	2.6	5.0	3.4	2.6	2.1	2.9	2.9	4.3	4.6	2.2	2.8	3.5	3.2		
AVG:	1.14		1.14	.97	1.23	1.43	1.96	2.01	1.46	1.18	.95	.71	.73	.58	.54	.58	.70	.92	1.66	1.66	1.32	1.27	1.23	1.23		

MONTHLY OBSERVATIONS: 693 MONTHLY MEAN: 1.17 MONTHLY MAX: 7.8

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

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	.4	BF	.6	.7	.8	.8	.6	.7	1.0	.8	.8	.6	.3	.3	.2	.2	.4	.7	.7	.5	.7	.7	.7	.7	23	1.0
2	1.0	BF	.8	.8	.8	.7	.7	.9	.6	.5	.4	.4	.3	.3	.3	.3	.3	.3	.4	.6	.6	.5	.3	.5	23	1.0
3	.7	BF	.7	.6	.3	.4	.6	.7	.3	.3	.3	.2	.3	.2	.2	.2	.2	.2	2.4	2.8	1.8	1.3	1.2	.9	23	2.8
4	.9	BF	1.0	1.1	1.2	1.8	3.2	3.0	2.0	.9	.7	.3	.3	.3	.4	.6	.3	.2	.5	1.3	.8	.5	.5	.5	23	3.2
5	.6	BF	.9	1.1	1.1	1.2	1.3	1.1	.9	.8	.8	BA	BA	.5	.4	.3	.2	.4	1.3	1.7	2.5	2.2	1.8	1.6	21	2.5
6	1.3	BF	1.3	1.4	1.5	2.7	5.7	2.3	1.8	BF	BF	BF	BF	.7	.8	1.6	1.4	1.2	1.8	3.0	3.1	1.3	.9	.8	19	5.7
7	.7	BF	.5	.4	.7	1.0	.9	.7	.7	.9	.5	.5	.6	.5	.5	.3	.3	.4	.6	.5	.6	.5	.5	.5	23	1.0
8	.4	BF	.3	.4	.6	.7	.8	.9	.7	.5	.4	.3	.2	.2	.2	.2	.3	.4	.4	.4	1.2	1.3	.6	.6	23	1.3
9	.8	BF	.6	.4	.4	.5	AE	.8	.5	.3	.5	.3	.2	.2	.3	.3	.3	.4	.4	.6	.6	.6	.7	.7	22	.8
10	.7	BF	.5	.6	.6	.6	.7	.5	.5	.6	.6	.4	.3	.3	.3	.2	.3	.8	1.0	2.6	2.7	1.4	1.2	.9	23	2.7
11	.8	BF	2.1	1.8	1.5	3.6	3.4	1.9	1.2	.7	.9	.6	.3	.4	.4	.4	.6	.8	.8	1.0	.8	.6	1.0	1.4	23	3.6
12	1.5	BF	1.4	1.4	1.4	1.7	1.7	1.5	1.2	1.1	1.0	1.0	.8	.7	.7	.7	.7	.7	1.6	4.4	1.1	1.9	1.1	2.4	23	4.4
13	1.8	BF	1.6	2.4	2.2	2.6	3.5	2.5	BA	2.1	1.6	1.2	.8	.7	.8	.6	1.1	.7	2.4	2.1	2.1	2.8	2.3	1.4	22	3.5
14	1.4	BF	.9	4.9	1.1	2.0	2.8	2.9	1.4	2.0	2.4	1.9	1.4	1.0	.9	.9	.9	1.0	1.5	1.8	1.9	1.2	1.2	.6	23	4.9
15	.5	BF	.5	1.0	2.0	2.0	2.1	2.4	BF	BF	BF	BF	BF	.5	.6	.6	.6	1.3	1.9	1.9	2.3	1.4	1.1	1.2	18	2.4
16	1.3	BF	1.9	3.3	1.2	2.0	1.3	1.0	.9	.8	1.1	.8	.6	.5	.5	.4	.6	.8	1.0	1.8	1.5	2.1	1.8	1.5	23	3.3
17	1.5	BF	.8	.7	.8	1.0	.6	.9	.6	.5	.4	.5	.4	.4	.4	.3	.4	.6	1.5	2.5	1.8	2.2	1.3	1.1	23	2.5
18	.9	BF	.9	1.7	.8	2.0	7.1	1.4	1.5	1.3	.7	.4	.3	.2	.2	.3	.2	.4	4.9	1.1	1.1	1.0	.9	.9	23	7.1
19	.6	BF	.8	.9	.9	1.5	1.3	1.6	1.8	1.1	.8	.4	.2	.3	.3	.3	.2	.3	2.9	4.1	1.0	.7	.8	.6	23	4.1
20	1.1	BF	3.4	2.1	1.0	2.6	3.2	3.1	2.8	1.5	1.1	.6	.5	.4	.7	.5	.9	1.1	1.5	3.1	1.6	1.3	1.4	1.1	23	3.4
21	1.0	BF	.7	.6	1.0	1.8	2.5	1.6	1.6	.9	.6	.3	.2	.3	.3	.2	.4	.4	.8	.6	.8	.6	.7	.7	23	2.5
22	.9	BF	1.9	1.6	1.1	1.2	1.1	.8	.7	.5	.5	.3	.4	.6	.8	.6	1.3	1.1	.6	1.0	.9	.7	.8	1.0	23	1.9
23	.5	BF	.6	.5	.4	.4	.5	.6	.7	.3	.2	.2	.1	.1	.1	.1	.2	.3	.6	1.8	2.3	1.7	.5	.8	23	2.3
24	.8	BF	.8	.8	.7	.9	.7	1.1	.8	.6	.6	.3	.2	.1	.1	.1	.2	.2	1.2	1.3	1.2	1.0	1.2	1.5	23	1.5
25	1.3	BF	1.6	2.2	1.8	2.6	2.4	1.6	1.0	.3	.1	.1	.2	.2	.2	.3	.4	.3	.8	.8	.8	2.3	1.4	.6	23	2.6
26	.7	BF	1.0	.8	.8	.9	1.1	.8	.4	.2	.3	.2	.1	.1	.2	.2	.2	.2	1.2	1.1	1.0	.9	1.1	.9	23	1.2
27	1.1	BF	.9	.8	.7	1.1	1.8	.7	.6	.4	.4	.3	.3	.2	.3	.1	.1	.2	1.0	2.7	1.1	.8	.8	.9	23	2.7
28	.9	BF	.7	.8	2.1	1.6	1.8	1.8	1.4	BF	BF	BF	BF	.3	.3	.2	.3	.6	.3	.5	1.1	1.4	1.1	AN	18	2.1
29	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	BA	BA	BF	BF	.3	.3	.8	1.3	3.8	1.2	1.1	1.0	1.3	2.0	10	3.8
30	1.9	BF	1.5	1.5	1.4	1.3	1.1	2.1	1.5	1.6	1.2	1.2	.8	.4	.4	.6	.9	.9	1.0	.9	.9	1.0	.9	.8	23	2.1
31																									0	
NO.:	29		29	29	29	29	28	29	27	26	26	25	25	29	30	30	30	30	30	30	30	30	30	29		
MAX:	1.9		3.4	4.9	2.2	3.6	7.1	3.1	2.8	2.1	2.4	1.9	1.4	1.0	.9	1.6	1.4	1.3	4.9	4.4	3.1	2.8	2.3	2.4		
AVG:	.97		1.08	1.29	1.07	1.49	1.95	1.44	1.08	.83	.73	.53	.40	.38	.40	.40	.50	.61	1.36	1.66	1.37	1.23	1.04	1.00		

MONTHLY OBSERVATIONS: 659 MONTHLY MEAN: 1.00 MONTHLY MAX: 7.1

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

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	.7	BF	.6	.5	.5	.4	.5	.5	.6	.6	.7	1.1	.7	.3	.2	.1	.4	.5	.9	2.0	2.2	1.9	.9	1.0	23	2.2
2	.9	BF	1.0	1.0	1.0	1.6	1.9	.8	.7	.5	.3	.3	.3	.2	.5	.6	1.2	.9	.6	.7	.6	.7	.9	1.1	23	1.9
3	1.8	BF	.6	.6	1.3	1.1	1.2	1.1	.6	.4	.2	.2	.3	.2	.2	.3	.2	.3	.3	1.1	1.5	.2	.3	.3	23	1.8
4	.3	BF	.4	.7	.9	.6	.6	.7	.7	.4	.3	.1	.1	.1	.2	.2	.2	.1	.2	.3	.5	.9	.8	1.2	23	1.2
5	1.2	BF	.8	.6	.8	.9	1.2	1.3	1.3	.9	.5	1.1	.6	.3	.5	1.0	1.4	1.0	1.2	1.2	1.2	1.1	1.2	1.4	23	1.4
6	1.3	BF	1.1	1.1	1.0	.9	.9	1.0	.8	.8	1.2	.8	.2	.5	.2	.3	.2	.2	1.8	1.2	.8	.5	.5	.5	23	1.8
7	.5	BF	.5	.6	1.5	1.5	1.2	1.2	.8	.5	.2	.2	.1	.1	.1	.2	.2	.3	.7	1.4	.9	.7	1.1	.4	23	1.5
8	.4	BF	.9	1.0	1.2	1.2	1.1	.8	.5	.4	.3	.2	.1	.1	.1	.1	.1	.2	.6	3.9	1.0	.6	.8	1.2	23	3.9
9	.7	BF	.9	1.0	1.8	2.5	2.1	1.8	1.6	.7	.5	.4	.4	.4	.3	1.0	.7	1.1	.8	1.6	1.4	1.1	1.1	1.1	23	2.5
10	1.6	BF	2.4	1.6	1.1	2.9	1.5	1.5	.9	.7	.5	.4	.4	.4	.5	.6	.9	.9	1.6	1.7	2.5	4.3	3.2	2.7	23	4.3
11	1.8	BF	1.7	2.4	2.1	2.0	1.5	.9	.5	.3	.3	.3	.2	.2	.5	.5	.4	.7	1.1	1.4	1.3	.9	.8	.7	23	2.4
12	.8	BF	.9	.9	1.5	2.1	.6	1.2	BF	BF	BF	BF	BF	.6	.6	.9	.8	.8	1.0	1.1	.6	.5	.8	1.0	18	2.1
13	.6	BF	.8	.9	1.0	.7	.6	.5	.5	.4	.3	.6	.4	.2	.2	.2	.2	.3	.3	.3	.5	.8	.8	.9	23	1.0
14	1.3	BF	.9	1.0	1.6	1.2	.8	1.2	.7	.5	.4	.2	.2	.1	.1	.1	.1	.3	.3	1.1	.4	.6	.5	.3	23	1.6
15	.3	BF	.3	.3	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.7	1.2	1.9	2.2	1.8	.9	23	2.2
16	.9	BF	.8	.9	1.1	1.7	1.0	3.6	1.6	.5	.3	.3	.2	.1	.1	.2	.5	.6	.8	1.6	1.6	1.3	1.6	1.1	23	3.6
17	1.4	BF	1.3	1.3	1.3	1.6	1.5	1.3	.9	1.0	1.3	.9	1.0	.4	.5	.3	.8	1.4	.7	1.1	1.5	1.8	1.3	.9	23	1.8
18	.9	BF	.7	.7	1.2	1.3	1.4	1.3	1.6	1.7	1.9	1.4	1.4	1.1	1.1	.9	1.4	1.5	1.3	1.1	1.0	1.1	1.1	1.1	23	1.9
19	1.1	BF	1.1	.8	.8	1.2	1.9	2.2	1.8	1.2	1.4	1.5	1.6	1.1	1.3	1.4	1.6	1.8	1.6	1.9	1.8	1.8	2.0	1.6	23	2.2
20	.8	BF	.6	.6	.6	1.0	1.9	2.5	2.3	1.7	1.5	1.0	.7	.5	1.2	.9	1.4	1.6	1.5	1.7	1.7	1.2	.9	.6	23	2.5
21	.4	BF	.5	.4	.4	.4	.4	.3	.3	.3	.2	.2	.1	.1	.1	.2	.8	.8	.3	.5	.4	.5	.3	.2	23	.8
22	.3	BF	.3	.3	.4	.4	.4	.4	.2	.2	.2	.1	.1	.1	.1	.1	.3	.5	1.0	1.1	.5	.5	.4	.4	23	1.1
23	.4	BF	.3	.3	.4	.3	.5	.6	.7	.4	.3	.2	.1	.0	.1	.1	.2	.2	.4	.8	.9	.9	1.6	.6	23	1.6
24	.2	BF	.2	.6	.5	.6	2.9	1.0	1.7	2.8	.6	.2	.2	.1	.1	.1	.2	.2	.4	4.0	1.5	.8	.8	.7	23	4.0
25	.8	BF	1.5	1.5	1.5	2.3	1.1	.9	.6	.4	.3	.2	.2	.1	.2	.2	.2	.4	1.8	2.5	1.2	.8	1.1	1.0	23	2.5
26	3.1	BF	1.3	1.6	1.6	2.7	2.0	1.2	.6	BF	BF	BF	BF	.2	.5	.4	.5	2.3	4.7	4.9	1.2	1.1	1.1	1.1	19	4.9
27	1.5	BF	.9	1.9	1.3	1.7	1.1	1.0	.7	.2	.2	.2	.1	.3	.3	.5	.6	1.3	1.4	1.5	.8	.8	1.1	1.1	23	1.9
28	.9	BF	1.0	1.2	1.2	.9	.7	.7	.3	.2	.2	.2	.1	.3	.3	.2	.6	.4	.7	.6	1.6	1.4	1.8	1.7	23	1.8
29	1.3	BF	1.5	1.5	1.3	1.8	2.1	.9	.8	.9	.3	.3	.1	.1	.1	.1	.2	.9	1.4	.5	.3	.2	.4	.6	23	2.1
30	1.0	BF	1.1	1.0	.9	.7	.6	.9	1.0	.8	.8	.4	.3	.2	.1	.3	.7	.7	.5	.6	.5	.3	.4	.3	23	1.1
31	.5	BF	.8	.9	1.5	1.7	1.5	1.4	.7	.4	.4	.4	.4	.4	.7	.3	.5	.7	.7	1.3	1.4	1.4	1.2	1.0	23	1.7
NO.:	31		31	31	31	31	31	31	30	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31		
MAX:	3.1		2.4	2.4	2.1	2.9	2.9	3.6	2.3	2.8	1.9	1.5	1.6	1.1	1.3	1.4	1.6	2.3	4.7	4.9	2.5	4.3	3.2	2.7		
AVG:	.96		.89	.96	1.08	1.29	1.19	1.13	.87	.69	.54	.46	.37	.28	.35	.40	.56	.74	1.01	1.48	1.14	1.06	1.05	.93		

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: .85 MONTHLY MAX: 4.9

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

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

DAY	HOUR 0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.8	BF	1.0	.8	.8	.7	.8	.8	.5	.4	.4	.3	.2	.2	.3	.3	.3	.4	.7	.8	.7	.9	1.1	.8	23	1.1
2	.6	BF	1.3	1.0	.9	.9	.8	.8	.7	.3	.3	.2	.2	1.1	.3	.3	.3	.4	1.2	1.2	1.2	.5	.5	.5	23	1.3
3	.8	BF	.6	.8	.7	.6	.5	.5	.3	.3	.2	.2	.2	.2	.2	.3	.4	.6	.9	1.1	2.0	1.8	1.9	1.8	23	2.0
4	1.2	BF	1.3	1.1	1.0	1.3	.8	.6	.4	.3	.1	.1	.1	.2	.3	.2	.5	.7	1.0	1.6	2.2	2.1	1.1	.6	23	2.2
5	.6	BF	.7	.7	.7	.7	.6	.6	.3	.1	.1	.0	.0	.0	.0	.1	.2	.0	.3	.5	.5	.4	.2	.2	23	.7
6	.3	AN	.7	.4	.5	.9	.8	.6	.4	.3	.3	.3	BA	BF	.3	.3	.7	1.0	.6	.5	.5	.6	.6	.7	21	1.0
7	.6	BF	.5	.4	.5	.4	.3	.4	.4	.2	.2	.5	.3	.2	.2	.2	.2	.2	.2	.4	.7	1.1	1.0	.6	23	1.1
8	.7	BF	1.0	.9	1.6	1.1	.5	.6	.8	.4	.2	.2	.2	.2	.2	.2	.2	.3	.4	1.5	1.4	1.0	1.0	1.3	23	1.6
9	1.0	BF	1.0	1.1	1.1	1.6	.8	1.8	BF	BF	BF	BF	.2	.1	.1	.1	.2	.2	.3	1.8	.7	1.1	1.2	1.0	19	1.8
10	.6	BF	.8	.9	1.6	.7	.7	1.9	1.6	.8	.7	.5	.4	.3	.3	.3	.4	.4	.5	1.5	1.9	1.4	1.5	1.7	23	1.9
11	3.0	BF	1.8	1.5	1.1	1.0	.8	.9	.4	.2	.2	.1	.2	.2	.2	.2	.2	.2	.9	1.4	.8	.7	.6	.4	23	3.0
12	.5	BF	.5	.6	.7	.7	.7	.6	.5	.3	.2	.1	.2	.2	.1	.1	.2	.2	.2	.3	.4	.4	.6	.6	23	.7
13	.7	BF	1.0	1.2	1.8	2.2	1.1	.6	.5	.3	.2	.2	.1	.1	.1	.2	.2	.5	1.6	1.8	1.5	1.3	1.4	1.4	23	2.2
14	1.3	BF	1.5	1.5	1.7	2.4	1.4	1.0	.8	.5	.4	.6	.7	.6	.6	.7	1.1	1.1	2.0	2.0	1.1	.9	.9	.9	23	2.4
15	.9	BF	1.1	1.5	1.9	3.0	2.0	1.5	1.0	.5	.4	.4	.3	.3	.4	.3	.3	1.2	1.0	1.4	1.2	1.6	1.3	1.1	23	3.0
16	1.1	BF	.8	.9	.7	.6	.7	.7	.7	.5	.3	.4	.3	.3	.3	.3	.4	.4	.8	2.6	1.4	1.0	1.0	.9	23	2.6
17	1.1	BF	1.3	1.2	1.4	1.4	1.5	1.2	.8	.4	.3	.2	.2	.2	.3	.3	.4	.4	.5	.7	.6	.6	.6	.7	23	1.5
18	.6	BF	.5	.6	.6	.6	.8	.6	.6	.3	.3	.4	.2	.4	.3	.2	.3	.3	.5	1.2	1.7	1.3	2.8	2.5	23	2.8
19	3.5	BF	3.0	2.8	2.7	2.4	1.5	1.1	.7	.3	.1	.1	.1	.1	.2	.3	.2	.2	.2	1.2	2.4	1.2	1.2	1.0	23	3.5
20	1.1	BF	1.1	.9	.7	.6	.6	.7	.4	.2	.0	.0	.1	.1	.3	.1	.1	.1	3.2	2.5	1.6	1.6	.9	.7	23	3.2
21	.7	BF	.6	.6	.8	.8	1.0	1.0	.7	BF	BF	BF	BF	.2	.2	.2	.4	.6	.7	.7	.8	.7	.7	.6	19	1.0
22	.7	BF	1.0	1.1	1.2	1.4	1.0	.7	.4	.4	.2	.2	.1	.1	.2	.2	1.1	.3	.4	1.6	1.7	1.2	1.5	1.3	23	1.7
23	1.4	BF	1.2	1.0	.8	.8	.8	.8	.5	.5	.4	.3	.3	.2	.2	.3	.3	.3	.5	.8	.8	.9	1.0	1.5	23	1.5
24	1.8	BF	1.3	1.9	2.2	1.6	1.4	.9	.9	.8	.6	.6	.6	.6	.6	.5	.7	.5	AV	AV	AV	AV	AV	AV	17	2.2
25	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	0	
26	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	0	
27	AV	AV	AV	AV	AV	AV	AV	AV	BA	BF	BF	BF	BF	.3	.4	.2	.5	1.0	1.5	1.8	2.0	1.4	1.5	1.2	11	2.0
28	.9	BF	.7	.8	1.2	1.8	1.7	1.1	.7	.5	.5	.8	.5	.5	.4	.2	.3	.4	1.1	1.1	.9	.7	1.0	.8	23	1.8
29	.7	BF	.7	.7	.6	.7	.8	.8	.6	.8	.7	.4	.3	.3	.4	.4	.6	.8	.9	.6	.6	AV	AV	AV	20	.9
30	AV	AV	AV	AV	AV	AV	AV	AV	AV	BA	BF	BF	BF	BF	.3	.6	.4	.6	.7	.3	.5	.9	.5	.5	10	.9
31																									0	
NO.:	26		26	26	26	26	26	26	25	24	24	24	24	26	28	28	28	28	27	27	27	26	26	26		
MAX:	3.5		3.0	2.8	2.7	3.0	2.0	1.9	1.6	.8	.7	.8	.7	1.1	.6	.7	1.1	1.2	3.2	2.6	2.4	2.1	2.8	2.5		
AVG:	1.05		1.04	1.03	1.13	1.19	.94	.88	.62	.40	.30	.30	.25	.28	.28	.27	.40	.48	.84	1.22	1.18	1.05	1.06	.97		

MONTHLY OBSERVATIONS: 600 MONTHLY MEAN: .75 MONTHLY MAX: 3.5

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

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	BF	.9	.9	1.1	1.3	1.2	.8	.7	.3	.2	.2	.2	.2	.2	.2	.3	.5	.3	.9	1.3	.8	.9	1.2	23	1.3
2	1.1	BF	.9	.7	.8	.7	.7	.7	.7	.5	.5	.3	.3	.3	1.1	.3	.5	1.4	.9	1.1	.5	.5	.8	.6	23	1.4
3	.6	BF	.7	.9	.6	.5	.6	.6	.6	.3	.2	.3	.1	.2	.2	.1	.2	.2	.4	.8	.9	1.1	1.2	1.0	23	1.2
4	.7	BF	.5	.5	.5	.6	.7	.7	.7	.8	.7	.6	.6	.4	.3	.4	.3	.3	.4	.8	.7	1.0	.9	1.0	23	1.0
5	1.2	BF	.9	.8	.8	.8	.7	.4	.3	.3	.2	.2	.3	.3	.2	.2	.2	.6	.4	.7	.8	.7	AV	AV	21	1.2
6	AV	AV	AV	AV	AV	AV	AV	BA	BF	.6	.3	.3	.2	.2	.2	.2	.2	.2	.4	1.0	.8	.7	.7	.7	15	1.0
7	.9	BF	1.0	1.0	1.0	1.4	1.5	1.3	1.0	.6	.5	.4	.3	.2	.3	.4	.2	.3	.3	.4	.5	.5	.6	.5	23	1.5
8	.5	BF	.8	1.2	1.5	1.6	1.2	1.4	1.1	.6	.2	.3	.3	.2	.3	.3	.3	.2	.2	1.8	AV	AV	AV	.9	20	1.8
9	.7	BF	.6	.7	.7	.6	.5	.6	.7	.4	.3	.2	.2	.1	.2	.2	.2	.2	.2	.9	2.3	1.1	.5	.5	23	2.3
10	.7	BF	.8	1.2	1.3	1.2	.6	.4	.2	.2	.1	.1	.2	.1	.1	.1	.1	.4	.3	1.6	1.1	1.5	1.8	1.4	23	1.8
11	1.3	BF	1.6	1.4	1.5	1.4	1.6	1.5	.9	.5	.4	.4	.3	.4	.8	.7	1.0	1.7	1.0	.5	.8	.8	.8	1.3	23	1.7
12	1.5	BF	.7	.8	1.0	1.2	.9	.7	.7	.6	1.0	.4	.2	.2	.3	.3	.6	.2	.4	.8	.5	1.1	1.0	2.1	23	2.1
13	1.4	BF	.9	.8	.8	1.4	.8	.5	BF	BF	BF	.3	.2	.2	.2	.2	.2	.3	1.1	1.4	1.5	1.3	1.4	1.6	20	1.6
14	1.1	BF	.9	1.5	1.3	1.8	1.1	.8	.7	.5	.2	.2	.2	.1	.2	.1	.4	.4	.5	1.8	2.2	1.4	1.2	1.2	23	2.2
15	1.3	BF	1.3	1.1	1.2	1.3	1.2	.8	.8	1.2	.9	.5	.4	.4	.5	.6	.9	1.0	1.1	1.3	1.2	1.6	1.6	1.6	23	1.6
16	1.3	BF	.6	.7	1.0	1.0	.8	1.0	.6	.4	.4	.3	.3	.2	.3	.2	.3	.4	.5	.6	.4	.6	.8	.8	23	1.3
17	.8	BF	.7	.6	.9	.8	.5	.5	.5	.4	.3	.2	.2	.2	.2	.2	.2	.4	.5	.9	.7	.7	.7	.6	23	.9
18	.9	BF	1.0	.9	1.0	1.3	.7	.5	.3	.2	.1	.1	.1	.2	.1	.2	.2	.3	.6	.8	1.2	1.0	1.0	1.3	23	1.3
19	1.3	BF	1.1	1.1	1.3	1.6	1.0	.9	.7	.4	.4	.2	.1	.1	.2	.2	.1	.2	2.4	2.8	.8	.5	.5	.6	23	2.8
20	.8	BF	.3	.3	.3	.4	.5	.5	.5	.4	.4	.5	.5	.6	.4	.6	.6	1.4	.9	2.3	2.2	1.3	1.6	1.5	23	2.3
21	1.2	BF	.8	.6	.9	.8	1.2	2.1	1.7	.9	.4	.3	.3	.3	.4	.3	.5	.7	1.4	1.2	1.4	2.0	1.1	1.5	23	2.1
22	1.7	BF	1.4	1.3	1.2	1.7	1.6	1.2	.6	.4	.3	.1	.2	.2	.3	.4	.3	.7	.3	.5	.8	.8	.8	.7	23	1.7
23	.8	BF	1.1	1.0	.9	.9	.6	.6	.7	2.2	1.3	.6	.4	.3	.3	.4	.8	.4	.4	1.0	1.3	1.3	1.0	1.0	23	2.2
24	1.1	BF	1.1	1.2	1.2	.8	1.0	.5	.4	.3	.3	.2	.3	.2	.2	.2	.3	.3	.5	.9	1.1	1.2	1.3	1.0	23	1.3
25	.9	BF	1.1	1.5	1.5	1.6	1.4	1.1	.5	.3	.3	.3	.2	.2	.3	.4	.5	.6	.7	.7	.6	.6	.7	.8	23	1.6
26	.9	BF	.6	.7	.6	.9	.8	.5	.4	.3	.3	.3	.2	.1	.3	.2	.2	.2	.5	.8	1.0	1.1	.9	1.1	23	1.1
27	.9	BF	1.3	1.3	4.2	1.6	.8	.9	1.3	BF	BF	BF	BF	.6	.8	.6	.8	.8	1.5	2.8	1.0	1.3	1.4	2.2	19	4.2
28	2.1	BF	1.0	1.1	1.7	2.0	1.7	.8	.7	.4	.3	.3	.3	.2	.2	.1	.2	.2	.3	.7	.8	.9	.7	.5	23	2.1
29	.4	BF	.6	.6	.6	.7	.8	.9	.5	.4	.3	.2	.2	.2	.2	.2	.3	.3	.6	1.6	1.1	1.1	1.7	1.4	23	1.7
30	1.4	BF	1.3	1.4	1.3	1.4	1.3	.8	.5	.3	.1	.1	.2	.3	.3	.3	.3	.8	.3	.5	.7	.6	1.0	1.2	23	1.4
31	1.7	BF	1.8	1.9	2.1	2.0	1.4	.8	.4	.3	.2	.2	.2	.2	.6	1.2	1.0	1.1	1.0	.6	1.0	.7	1.4	.9	23	2.1
NO.:	30		30	30	30	30	30	30	29	29	29	30	30	31	31	31	31	31	31	31	30	30	29	30		
MAX:	2.1		1.8	1.9	4.2	2.0	1.7	2.1	1.7	2.2	1.3	.6	.6	.6	1.1	1.2	1.0	1.7	2.4	2.8	2.3	2.0	1.8	2.2		
AVG:	1.06		.94	.99	1.16	1.18	.98	.83	.67	.52	.38	.29	.26	.25	.33	.32	.39	.54	.65	1.11	1.04	.99	1.03	1.09		

MONTHLY OBSERVATIONS: 693 MONTHLY MEAN: .74 MONTHLY MAX: 4.2

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

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	1.2	BF	1.2	1.6	2.1	1.9	1.8	1.2	.8	.5	.5	.4	.4	.4	.4	.4	.7	.6	.7	1.0	1.5	1.5	1.7	1.6	23	2.1
2	1.4	BF	1.2	1.0	1.3	1.2	1.0	.8	.6	.5	.4	.4	.4	.3	.4	.4	.6	1.7	.5	.6	.9	1.4	1.7	1.4	23	1.7
3	1.0	BF	2.1	2.7	2.2	1.7	1.8	1.6	1.2	1.3	.9	.5	.5	.4	.9	.8	.7	.8	.9	1.2	1.6	1.3	1.4	.9	23	2.7
4	1.0	BF	.8	.8	.8	1.0	2.0	2.2	1.7	1.6	1.4	.9	.6	.6	.6	.6	.6	.7	.7	.9	1.0	.7	.7	.9	23	2.2
5	.9	BF	.9	.9	1.1	1.2	1.6	1.4	1.0	.7	.4	.3	.3	.2	.2	.3	.5	.5	1.1	.9	1.1	1.2	1.0	1.0	23	1.6
6	1.1	BF	1.2	1.1	1.4	1.1	.9	.8	.7	.6	.4	.3	.2	.2	.2	.3	.4	.9	.6	.9	.6	.9	.9	1.1	23	1.4
7	1.0	BF	1.0	.9	1.0	1.0	1.0	.8	.6	.6	.6	.5	.4	.4	.4	.7	.6	1.1	1.3	1.1	.9	.8	.8	.7	23	1.3
8	.6	BF	.9	.9	1.0	1.3	1.9	1.8	1.1	.5	.3	.3	.3	.3	.3	.3	.3	.7	1.2	1.1	1.3	1.0	1.0	1.0	23	1.9
9	1.1	BF	1.1	1.1	.9	1.0	1.1	.8	.7	.4	.3	.3	.3	.3	.3	.3	.7	.9	.8	1.2	.7	.7	.7	.6	23	1.2
10	.6	BF	1.2	1.0	1.0	1.3	1.0	1.1	.7	BF	BF	BF	BF	.3	.3	.3	.4	.5	.8	1.3	1.1	1.2	1.1	.8	19	1.3
11	.6	BF	.5	.6	.4	.3	.4	.9	.8	.2	.3	.2	.3	.1	.2	.3	.4	.4	.6	1.0	1.0	1.1	1.0	1.0	23	1.1
12	1.1	BF	.8	.7	.7	.5	.8	.7	.2	.3	.2	.2	.2	.1	.1	.2	.3	.4	.9	1.6	1.0	.9	.8	1.2	23	1.6
13	1.7	BF	1.3	1.3	1.1	1.0	.9	.6	.5	.4	.3	.3	.3	.2	.2	.2	.1	.3	.6	1.1	.8	.6	.8	.8	23	1.7
14	1.2	BF	1.2	1.0	1.0	1.1	.9	.6	.4	.3	.2	.2	.1	.1	.1	.2	.2	.8	1.3	1.6	1.7	1.5	1.1	1.1	23	1.7
15	1.1	BF	1.9	1.9	2.0	2.6	1.8	1.3	.9	.5	.4	.3	.3	AV	.3	.3	.4	.4	.8	2.1	1.3	1.3	3.9	2.9	22	3.9
16	3.0	BF	1.0	1.1	1.4	1.4	1.6	.8	.4	.3	.2	.2	.1	.1	.2	.1	.4	.5	.7	1.0	.8	.6	.9	1.7	23	3.0
17	1.5	BF	1.1	1.2	1.2	1.2	1.4	.6	.4	.3	.2	.2	.2	.2	.5	.4	.4	.5	1.5	1.3	.7	1.1	1.3	1.3	23	1.5
18	1.4	BF	1.3	1.4	1.6	1.4	1.2	1.1	1.2	.6	.4	.3	.2	.2	.2	.2	.2	.3	.4	1.0	1.1	1.3	1.0	.6	23	1.6
19	.6	BF	.8	.9	1.3	1.7	1.6	1.4	1.2	.8	.4	.3	.3	.2	.2	.2	.1	.4	.5	1.4	1.0	1.4	1.7	1.4	23	1.7
20	1.8	BF	1.7	1.1	1.2	1.0	1.0	1.0	1.4	1.4	1.1	.5	.4	.3	.2	.3	.4	.5	1.4	2.1	2.2	1.7	1.8	1.5	23	2.2
21	1.2	BF	1.9	1.9	1.3	1.3	1.0	.6	.6	.4	.2	.2	.1	.1	.1	.1	.1	.1	.9	1.0	1.0	.9	1.0	1.1	23	1.9
22	1.1	BF	.9	.7	.7	1.2	1.0	.7	.6	.4	.3	.2	.2	.2	.2	.2	.2	.2	.8	2.0	1.5	1.3	1.6	1.9	23	2.0
23	1.4	BF	1.0	.9	1.0	1.3	.4	1.4	2.6	BF	BF	BF	BF	.5	.3	.5	.6	1.0	1.9	1.7	1.5	1.6	1.5	2.8	19	2.8
24	1.7	BF	1.4	1.4	1.3	1.2	2.1	1.3	1.6	.8	.4	.3	.2	.3	.5	.6	.6	.7	.9	2.4	1.7	1.2	1.4	1.3	23	2.4
25	.9	BF	1.0	.9	1.4	2.1	1.1	.7	1.4	1.0	.4	.4	.2	.3	.4	.2	.2	1.3	2.5	1.9	1.7	1.3	1.0	1.0	23	2.5
26	1.1	BF	1.3	1.4	2.1	2.4	1.9	.9	.9	.7	.4	.4	.4	.3	.2	.6	.5	1.0	2.2	1.6	1.9	1.4	1.3	1.7	23	2.4
27	1.3	BF	1.2	1.3	1.4	1.7	1.5	1.0	.5	.4	.3	.3	.4	.4	.7	.5	.4	.9	.7	.8	.9	.7	1.0	1.1	23	1.7
28	1.3	BF	1.9	1.9	1.5	1.3	1.7	1.6	.6	.3	.2	.3	.2	.2	.2	.3	.3	.4	.6	.7	.8	.9	.9	.8	23	1.9
29	.9	BF	1.0	1.2	1.4	1.2	1.4	1.0	1.2	.6	.4	.3	.5	.4	.6	.8	1.1	1.8	3.3	.7	1.2	1.0	1.3	1.9	23	3.3
30	1.4	BF	1.8	1.5	1.4	2.5	1.7	1.7	1.4	1.0	.6	.6	.6	.4	.4	.5	.5	.7	2.0	3.0	1.3	1.3	1.5	1.5	23	3.0
31	1.3	BF	1.4	1.3	2.4	3.1	2.5	3.0	1.5	.7	.4	.4	.4	.3	.3	.5	.6	.9	1.5	1.1	.8	.9	1.2	1.2	23	3.1
NO.:	31		31	31	31	31	31	31	31	29	29	29	29	30	31	31	31	31	31	31	31	31	31	31		
MAX:	3.0		2.1	2.7	2.4	3.1	2.5	3.0	2.6	1.6	1.4	.9	.6	.6	.9	.8	1.1	1.8	3.3	3.0	2.2	1.7	3.9	2.9		
AVG:	1.21		1.23	1.21	1.31	1.43	1.35	1.14	.95	.62	.43	.34	.31	.28	.33	.37	.44	.71	1.12	1.33	1.18	1.12	1.26	1.28		

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: .92 MONTHLY MAX: 3.9

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

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	1.3	BF	1.4	1.3	1.2	2.1	2.1	.9	.6	.5	.3	.2	.1	.1	.3	.4	.6	1.7	1.6	1.2	2.2	2.3	2.1	2.2	23	2.3
2	1.9	BF	1.6	1.7	2.1	1.5	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.5	2.3	1.7	1.4	1.4	1.1	.9	.8	.5	.4	.6	23	2.3
3	.9	BF	.9	.7	.6	.5	.5	.5	.5	.4	.3	.4	.3	.3	.3	.2	.4	.5	.7	.7	.9	.9	.8	.6	23	.9
4	.5	BF	.4	.6	.5	1.1	1.1	.7	.5	.5	.3	.2	.2	.3	.2	.2	.3	.5	1.7	2.7	1.4	2.0	1.2	1.0	23	2.7
5	1.0	BF	.6	.8	.7	.7	.9	.7	.6	1.8	.9	.5	.3	.4	.2	.3	.3	1.3	1.6	1.2	1.5	.9	.8	.6	23	1.8
6	.5	BF	.7	.6	.7	1.0	1.0	1.1	1.1	BF	BF	BF	BF	.2	.3	.3	.3	.4	.9	1.4	1.1	1.0	.7	.6	19	1.4
7	.5	BF	.6	1.2	1.5	1.7	1.7	1.5	1.1	.7	.5	.3	.2	.2	.2	.2	.2	1.2	2.5	1.4	1.1	1.0	.9	.6	23	2.5
8	.6	BF	.8	.8	1.0	1.1	1.1	AZ	AZ	AZ	AZ	AZ	AZ	BA	.7	.3	.4	1.0	2.7	1.9	1.4	1.2	1.1	1.5	16	2.7
9	1.9	BF	1.5	1.5	1.6	1.5	1.8	1.4	.9	.6	.5	.6	.4	.4	.4	.7	.8	1.4	2.5	2.1	1.0	1.3	1.3	1.3	23	2.5
10	1.6	BF	1.5	1.2	1.1	1.3	1.3	1.4	.9	.7	.6	.7	.5	.4	.5	.8	.8	.9	.9	1.0	1.1	1.3	1.0	.9	23	1.6
11	.9	BF	1.0	.9	.8	.7	.6	.6	.4	.5	.4	.4	.3	.3	.2	.2	.3	1.4	1.4	2.1	1.4	1.1	.7	1.2	23	2.1
12	1.4	BF	1.5	1.1	1.0	1.2	1.7	3.0	1.4	.6	.5	.5	.4	.6	.4	.8	.9	2.7	4.2	3.2	2.2	1.5	1.3	1.2	23	4.2
13	1.2	BF	1.1	1.3	1.8	1.8	1.6	1.5	1.0	.5	.5	.4	.3	.4	.4	.3	.4	1.3	1.6	1.9	1.1	1.0	1.9	1.5	23	1.9
14	1.4	BF	.9	1.1	1.2	1.7	1.5	.8	BF	BF	.3	.4	.5	.3	.6	.6	1.0	1.7	2.3	2.5	1.8	1.2	1.1	1.3	21	2.5
15	2.2	BF	.7	.8	.8	2.1	1.6	1.6	AE	AE	AE	1.1	AE	AE	AE	AE	.6	1.1	2.5	1.6	.9	.7	.7	.7	16	2.5
16	.7	BF	.6	.5	.8	1.1	1.3	1.6	.9	1.0	.7	.7	.6	.5	.7	.6	.9	1.0	1.5	1.3	1.7	1.4	1.0	1.1	23	1.7
17	1.2	BF	.9	1.1	.9	1.3	1.2	.8	.9	.7	.6	.5	.4	.6	.3	.3	.4	1.9	2.0	3.1	2.3	1.5	1.4	1.5	23	3.1
18	1.5	BF	1.3	1.1	1.1	1.1	.6	.6	.6	.7	.4	.2	.2	.2	.2	.3	.3	1.4	.3	.3	.8	.8	1.5	1.7	23	1.7
19	1.5	BF	1.1	1.2	1.3	1.2	1.2	1.1	1.0	.5	.5	.6	.6	.8	.9	.8	.7	1.0	1.2	1.5	1.2	1.0	.8	.6	23	1.5
20	.6	BF	1.1	1.4	1.3	.6	.7	.5	.7	BF	BF	BF	BF	.5 6	.7 6	.8 6	.6 6	.9 6	.9 6	1.1	1.6 6	1.6 6	1.5 6	1.7 6	19	1.7
21	1.5 6	BF	1.0 6	.9 6	1.1 6	1.3 6	1.1 6	.8 6	.9 6	.8 6	.6 6	.4 6	.4 6	.5 6	.6 6	.5 6	.4 6	.5 6	.6 6	.7 6	.7 6	.8 6	1.3 6	1.4 6	23	1.5
22	1.0 6	BF	.8 6	.7 6	.7 6	.8 6	1.2 6	1.1 6	1.0 6	1.0 6	.8 6	.7 6	.7 6	.4 6	.3 6	.3 6	.7 6	.7 6	.4 6	.4 6	1.0 6	1.3 6	1.4 6	1.1 6	23	1.4
23	1.0 6	BF	.7 6	.6 6	.6 6	.6 6	.9 6	1.0 6	1.1 6	.8 6	.6 6	.4 6	.4 6	.4 6	.6 6	.8 6	1.4 6	1.3 6	.9 6	1.5 6	.6 6	1.2 6	1.2 6	.8 6	23	1.5
24	.4 6	BF	.3 6	.4 6	.7 6	.9 6	.7 6	.6 6	.6 6	.5 6	.3 6	.3 6	2.2 6	.3 6	.4 6	.3 6	1.2 6	1.0 6	1.3 6	1.1 6	.8 6	1.0 6	.8 6	.5 6	23	2.2
25	.5 6	BF	1.2 6	1.6 6	1.1 6	.6 6	.5 6	.5 6	.7 6	.4 6	.4 6	1.3 6	.5 6	2.4 6	.6 6	.4 6	.6 6	.6 6	1.0 6	.9 6	.7 6	.7 6	.8 6	.8 6	23	2.4
26	.8 6	BF	.6 6	.6 6	.8 6	.9 6	1.8 6	1.8 6	1.6 6	1.1 6	1.4 6	1.6 6	1.1 6	1.2 6	.9 6	.7 6	1.0 6	1.6 6	1.3 6	1.4 6	1.7 6	1.5 6	1.0 6	.7 6	23	1.8
27	.3 6	BF	.3 6	.5 6	.3 6	.8 6	1.8 6	.7 6	.4 6	.2 6	.2 6	.2 6	.2 6	.1 6	.2 6	.2 6	.4 6	.9 6	1.3 6	1.1 6	1.3 6	.9 6	.5 6	.5 6	23	1.8
28	.5 6	BF	.7 6	.6 6	.9 6	1.0 6	1.3 6	1.4 6	1.3 6	.9 6	.6 6	.6 6	.5 6	.4 6	.4 6	.8 6	.9 6	.8 6	.8 6	.7 6	.6 6	.5 6	1.4 6	.9 6	23	1.4
29	1.1 6	BF	.8 6	.8 6	.7 6	.8 6	1.0 6	BC	BC	BC	BC	BC	BC	BC	.6	.5	.6	.6	1.1	1.0	.8	1.0	.8	.7	16	1.1
30	.6	BF	.7	.4	.5	1.1	.9	1.0	.7	.6	.5	.7	.3	.4	.6	.7	.5	1.8	.8	1.3	1.1	.9	.7	.7	23	1.8
31																									0	
NO.:	30		30	30	30	30	30	28	26	24	25	26	25	27	29	29	30	30	30	30	30	30	30	30		
MAX:	2.2		1.6	1.7	2.1	2.1	2.1	3.0	1.7	1.8	1.7	1.8	2.2	2.4	2.3	1.7	1.4	2.7	4.2	3.2	2.3	2.3	2.1	2.2		
AVG:	1.03		.91	.93	.98	1.14	1.21	1.10	.89	.74	.58	.60	.54	.52	.52	.52	.64	1.15	1.45	1.44	1.23	1.13	1.07	1.02		

MONTHLY OBSERVATIONS: 659 MONTHLY MEAN: .94 MONTHLY MAX: 4.2

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

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	.6	BF	.4	.5	.3	.6	.6	.4	.2	.3	.4	.5	.5	.4	.4	.4	.2	2.7	2.2	1.0	1.2	.6	.7	.6	23	2.7
2	.3	BF	.4	.5	.4	.6	.5	.4	.4	.4	.2	.2	.2	.2	.2	.1	.2	3.3	3.2	.9	.6	.8	.7	.7	23	3.3
3	.7	BF	.2	.4	.6	1.1	1.5	1.1	.7	1.6	2.3	1.0	.5	.3	.2	.3	.7	2.3	2.6	2.1	1.4	1.6	1.9	1.7	23	2.6
4	1.2	BF	1.8	2.3	2.7	3.6	3.6	2.4	2.0	1.9	1.7	1.1	.8	.6	.6	.5	.9	1.7	1.9	2.0	2.0	1.6	1.7	1.3	23	3.6
5	1.1	BF	.7	.7	.7	.8	.8	.9	1.2	1.2	1.1	.7	.5	.7	.6	.5	.8	1.0	1.3	1.4	.8	.8	.8	1.0	23	1.4
6	.9	BF	1.0	.8	.8	.9	1.0	1.1	.8	1.0	1.0	.6	.4	.5	.6	.6	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.0	23	1.2
7	1.1	BF	1.0	.9	.8	1.0	1.4	1.6	1.7	1.5	1.4	.7	.5	.5	.6	.7	.8	.6	.5	.4	.4	.5	.4	.3	23	1.7
8	.3	BF	.6	.4	.3	.3	.2	.3	.4	.3	.3	.3	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	11	.6
9	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	0	
10	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	AV	2.1 2	4.0 2	1.6 2	2.3 2	2.0 2	1.8 2	1.8 2	7	4.0
11	1.4 2	BF	1.7 2	1.3 2	1.3 2	1.4 2	1.4 2	.6 2	.9 2	1.4 2	1.3 2	1.0 2	1.1 2	1.3 2	.9 2	.9 2	1.2 2	3.1 2	2.4 2	1.4 2	1.3 2	2.6 2	3.0 2	2.2 2	23	3.1
12	1.7 2	BF	1.1 2	1.2 2	1.4 2	1.4 2	1.4 2	1.2 2	1.5 2	2.8 2	1.4 2	.8 2	.8 2	.8 2	.7 2	.4 2	1.0 2	1.8 2	2.4 2	1.0 2	.9 2	.9 2	1.2 2	1.0 2	23	2.8
13	.8 2	BF	.4 2	.5 2	.6 2	1.2 2	.8 2	BC	BC	BC	BC	BC	BC	BC	BC	.5	2.5	7.8	2.3	2.1	2.1	.9	.9	1.0	15	7.8
14	1.0	BF	1.2	1.6	1.9	2.9	2.2	2.4	2.1	2.5	2.4	1.8	1.3	1.1	.9	1.1	1.2	2.0	2.0	2.0	2.4	3.6	3.2	2.6	23	3.6
15	3.6	BF	4.0	2.4	1.6	1.7	1.9	1.3	1.3	.9	.7	.8	.5	.5	.5	.7	1.1	2.1	2.0	2.2	1.9	1.5	1.2	.9	23	4.0
16	.9	BF	1.0	1.0	.7	1.1	.8	.5	.7	.8	.6	.4	.4	.3	.3	.3	.7	1.0	1.1	.9	1.3	1.3	1.1	.9	23	1.3
17	.7	BF	.9	.8	.6	2.5	2.5	1.7	1.2	1.0	.5	.3	.4	.3	.2	.2	.6	2.9	.8	1.2	1.8	1.1	1.1	1.2	23	2.9
18	1.3	BF	1.8	2.0	1.8	1.5	1.8	1.2	.9	.6	.4	.3	.3	.3	.3	.4	1.0	2.0	1.7	1.6	1.7	1.7	1.6	1.2	23	2.0
19	1.4	BF	1.9	1.7	1.6	2.8	2.3	1.7	1.2	1.1	.9	.7	.5	.4	.4	.5	3.3	4.5	1.4	1.1	1.1	1.1	1.9	1.4	23	4.5
20	1.0	BF	.9	.9	1.3	2.7	1.9	1.1	1.0	1.0	3.9	1.0	.4	.4	.4	.6	1.0	2.2	2.2	2.0	1.8	1.5	1.2	1.9	23	3.9
21	1.7	BF	2.4	1.3	1.2	1.2	1.4	1.1	.9	.7	2.7	.6	.6	.6	1.1	.8	.8	.8	.8	1.0	.9	.9	1.0	1.1	23	2.7
22	1.1	BF	1.0	.9	1.0	.9	.8	.6	.5	.5	.6	.5	.4	.3	.4	.4	.5	.6	.7	2.0	1.4	.9	.8	.8	23	2.0
23	.7	BF	.6	.6	.7	.6	.5	.7	1.3	.9	.5	.4	.3	.2	.2	.3	.8	1.8	1.5	1.2	1.1	.6	.5	.5	23	1.8
24	.6	BF	.8	.8	1.0	1.4	1.8	1.7	2.1	2.1	1.4	.6	.4	.4	.5	.6	1.3	3.7	3.0	1.9	1.2	1.3	1.3	1.3	23	3.7
25	1.0	BF	.9	.9	1.5	2.4	2.8	3.0	2.7	2.5	2.1	2.0	1.7	1.5	1.5	1.3	2.7	2.4	1.4	2.6	2.7	1.6	1.7	1.3	23	3.0
26	.9	BF	.9	.7	1.0	1.6	1.0	2.8	4.3	BF	BF	BF	BF	.9	.5	2.5	3.8	9.9	20.3	4.6	2.2	1.6	1.6	2.0	19	20.3
27	.9	BF	1.0	1.2	1.2	1.4	2.0	1.1	.9	1.2	1.6	.8	.6	.5	.8	.9	.9	1.3	1.8	1.3	1.3	1.6	1.9	1.6	23	2.0
28	1.6	BF	1.5	.9	1.1	1.2	1.1	.9	1.0	.9	1.0	.8	.6	.5	.5	.5	1.7	3.1	2.0	2.4	2.4	2.2	2.0	2.1	23	3.1
29	2.5	BF	1.6	1.0	.8	1.0	1.2	1.0	1.1	.8	.8	.7	.6	.4	.3	.4	1.7	2.0	1.4	1.0	1.1	1.1	1.2	2.6	23	2.6
30	2.7	BF	1.0	1.0	.8	.7	.8	.8	.8	.6	.5	.4	.3	.3	.2	.2	1.0	1.8	1.3	1.1	.8	.8	.6	.6	23	2.7
31	.6	AN	1.0	.9	1.3	1.2	1.2	1.9	3.1	2.2	2.0	1.6	1.0	.8	1.1	1.0	1.8	2.6	2.3	2.6	1.9	1.4	1.4	1.6	23	3.1
NO.:	29		29	29	29	29	29	28	28	27	27	27	26	27	27	28	28	29	29	29	29	29	29	29		
MAX:	3.6		4.0	2.4	2.7	3.6	3.6	3.0	4.3	2.8	3.9	2.0	1.7	1.5	1.5	2.5	3.8	9.9	20.3	4.6	2.7	3.6	3.2	2.6		
AVG:	1.18		1.16	1.04	1.07	1.44	1.42	1.27	1.32	1.21	1.25	.76	.60	.56	.55	.63	1.26	2.56	2.47	1.65	1.49	1.35	1.36	1.32		

MONTHLY OBSERVATIONS: 650 MONTHLY MEAN: 1.27 MONTHLY MAX: 20.3

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

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	1.9	BF	2.0	1.8	1.3	1.5	2.2	2.4	2.3	1.6	1.7	1.7	1.4	.9	1.0	1.0	1.8	2.6	2.8	2.3	1.9	2.0	1.6	1.6	23	2.8
2	2.0	BF	1.9	1.4	1.1	1.0	.8	1.0	.9	1.3	.8	.5	.5	.4	.5	.4	2.8	2.4	.8	1.1	1.0	.8	.9	1.3	23	2.8
3	1.4	BF	1.5	1.1	1.1	1.5	1.9	1.9	1.9	1.5	1.0	.6	.4	.6	.5	.5	1.6	1.7	1.8	1.2	1.3	.9	.7	.6	23	1.9
4	.5	BF	1.0	1.2	1.2	1.6	1.0	1.2	1.2	.8	.6	.4	.4	.4	.3	.3	.6	2.5	1.5	2.2	2.8	2.8	2.0	2.1	23	2.8
5	1.7	BF	1.3	1.2	1.4	1.2	1.1	1.2	1.4	1.5	1.4	1.6	1.5	1.0	.8	.8	1.9	1.3	1.8	2.1	1.4	1.4	1.5	1.0	23	2.1
6	1.0	BF	.9	.9	.9	.9	.8	.9	1.1	1.2	.8	.6	.5	.4	.4	.7	1.5	3.7	1.1	1.3	1.9	1.7	.9	.8	23	3.7
7	.9	BF	.7	.6	.6	1.2	2.8	2.8	1.8	2.3	1.7	1.7	1.0	.7	.7	1.2	1.9	4.0	2.9	2.1	1.8	2.0	2.2	2.2	23	4.0
8	2.0	BF	1.1	1.1	1.1	1.4	1.1	1.2	1.1	1.2	.8	.7	.9	.8	.8	.7	1.1	1.0	1.2	1.2	1.8	1.7	2.1	2.6	23	2.6
9	2.7	BF	2.2	2.3	2.2	2.5	2.6	2.7	3.1	2.9	BF	BF	BF	BF	.5	.5	.7	.7	1.1	1.2	1.3	1.6	1.9	1.7	19	3.1
10	1.8	BF	1.8	1.8	1.7	1.7	1.5	1.4	1.2	1.3	1.1	.8	.7	.6	.6	.6	2.4	7.2	1.4	1.2	1.6	1.6	1.2	.9	23	7.2
11	1.3	BF	1.1	1.5	2.2	3.1	3.4	3.2	2.7	2.5	2.2	1.9	1.6	1.4	1.1	1.0	2.0	2.6	2.1	1.8	1.3	1.0	1.0	.8	23	3.4
12	1.0	BF	1.6	1.5	1.4	1.7	1.5	1.4	1.4	1.5	1.4	1.4	1.4	1.0	1.8	2.0	2.7	2.9	2.7	2.1	2.4	2.8	2.8	3.0	23	3.0
13	2.1	BF	1.5	1.3	1.6	1.1	1.2	.9	.8	.8	.9	.9	1.0	.6	.7	.8	1.8	1.7	.8	.9	1.1	1.5	1.5	1.5	23	2.1
14	1.2	BF	.9	1.1	1.4	2.5	4.7	2.7	2.7	2.7	2.4	2.1	2.7	2.8	3.1	3.3	2.6	2.5	1.8	1.6	1.4	1.6	1.9	1.7	23	4.7
15	1.8	BF	2.2	2.6	3.5	3.1	2.8	2.6	2.1	1.6	1.7	1.1	.9	.8	1.1	.7	3.2	5.8	2.9	1.9	1.3	1.2	1.0	.7	23	5.8
16	.9	BF	.6	1.0	1.4	1.7	2.5	2.5	1.8	1.7	1.1	.9	.6	.5	.4	.5	1.3	5.9	1.4	1.7	1.3	1.3	1.2	1.0	23	5.9
17	.9	BF	1.6	1.8	1.5	1.7	3.5	4.8	1.1	1.6	2.5	1.8	.9	.6	.5	.4	1.8	3.0	3.6	1.8	1.4	2.9	1.4	1.0	23	4.8
18	1.5	BF	1.1	.9	.8	.7	4.0	1.3	.8	1.0	.9	.7	.6	.5	.5	1.2	5.4	3.7	1.8	1.8	1.8	2.0	2.0	1.7	23	5.4
19	1.3	BF	.9	.8	.8	1.6	1.3	1.0	1.0	.9	.7	.5	.4	.4	.5	.5	.5	.6	.8	.8	.5	.5	.6	.5	23	1.6
20	.5	BF	.6	.6	.6	.5	.5	.5	.5	.4	.3	.3	.3	.3	.2	.3	.4	2.9	.5	.6	.9	1.1	1.1	1.1	23	2.9
21	1.1	BF	1.0	.9	.9	.9	.9	1.0	.9	1.1	1.1	1.1	1.0	1.3	1.4	1.1	1.0	1.1	1.0	1.0	1.1	1.3	1.8	2.3	23	2.3
22	2.4	BF	1.7	1.5	1.5	1.7	1.5	1.6	1.3	1.1	BF	BF	BF	BF	2.0	2.8	5.1	5.5	3.8	3.3	3.7	3.8	2.7	2.3	19	5.5
23	2.3	BF	2.0	2.4	2.1	2.5	2.7	2.3	1.4	3.6	3.2	1.8	1.1	.8	.9	1.5	3.2	3.7	5.6	3.9	4.2	2.9	1.9	2.0	23	5.6
24	2.3	BF	1.3	1.6	1.3	1.4	1.4	1.8	1.1	1.2	1.0	.7	.5	.4	.3	.5	2.5	1.8	.9	1.3	1.6	1.1	1.0	.9	23	2.5
25	.8	BF	.6	.5	.7	.8	1.3	.8	1.0	.5	.6	.4	.3	.3	.2	.2	.8	1.7	2.3	2.1	2.6	2.0	1.9	1.4	23	2.6
26	1.0	BF	.9	.9	.8	.7	.7	.7	.7	.6	.6	.5	.5	.4	.5	.7	1.0	1.1	1.3	1.1	1.0	1.1	1.1	1.2	23	1.3
27	1.1	BF	1.1	1.1	1.1	1.1	1.3	1.2	.6	.7	.5	.4	.3	.3	.3	.3	1.0	3.1	1.0	1.2	1.0	1.2	1.3	1.8	23	3.1
28	1.3	BF	.9	1.3	1.2	1.3	2.7	2.2	1.8	2.9	1.8	2.0	1.1	2.0	3.2	2.9	3.0	4.6	3.5	3.3	2.9	1.9	1.2	.8	23	4.6
29	.7	BF	.6	.4	.4	.5	.3	.6	.7	.7	.8	.4	.4	.6	.6	.9	1.2	1.6	1.1	1.1	.8	.8	.8	.7	23	1.6
30	.4	BF	1.2	1.2	.8	1.0	1.1	1.0	1.2	.8	.6	.5	.3	.3	.3	.5	.9	1.4	1.4	1.8	1.4	1.3	1.0	.9	23	1.8
31																									0	
NO.:	30		30	30	30	30	30	30	30	30	28	28	28	28	30	30	30	30	30	30	30	30	30	30		
MAX:	2.7		2.2	2.6	3.5	3.1	4.7	4.8	3.1	3.6	3.2	2.1	2.7	2.8	3.2	3.3	5.4	7.2	5.6	3.9	4.2	3.8	2.8	3.0		
AVG:	1.39		1.26	1.28	1.29	1.47	1.84	1.69	1.39	1.45	1.22	1.00	.83	.75	.86	.96	1.92	2.81	1.89	1.70	1.68	1.66	1.47	1.40		

MONTHLY OBSERVATIONS: 682 MONTHLY MEAN: 1.45 MONTHLY MAX: 7.2

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: 37-105-0002 POC: 1
COUNTY: (105) Lee
CITY: (59280) Sanford
SITE ADDRESS: 4110 Blackstone Drive
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: AGRICULTURAL
LOCATION SETTING: RURAL

CAS NUMBER: 10102-44-0
LATITUDE: 35.4325
LONGITUDE: -79.2887
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 131
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SPM
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.7	BF	.7	.9	.8	.8	.6	.7	1.0	.8	.8	.8	.8	.4	.4	.4	.6	3.2	2.6	1.6	1.4	1.5	1.5	1.5	23	3.2
2	1.5	BF	1.5	1.5	1.3	1.1	1.3	1.3	1.1	1.1	.8	.6	.7	.5	.7	1.0	.9	1.7	3.2	2.3	2.5	2.1	2.2	2.2	23	3.2
3	1.9	BF	2.2	2.5	1.9	1.6	1.3	1.1	1.0	.9	.8	.8	.7	.6	.6	.6	1.0	4.1	2.9	1.7	1.5	1.2	1.4	1.6	23	4.1
4	1.3	BF	2.5	2.4	2.3	2.0	2.0	2.1	1.9	2.2	2.7	2.5	1.8	1.6	1.7	1.7	1.7	2.1	2.1	2.5	2.1	1.7	1.6	1.6	23	2.7
5	1.6	BF	2.0	1.9	1.9	2.1	2.6	3.0	1.9	1.5	1.3	1.3	1.2	.9	1.2	1.6	1.9	4.1	2.9	3.5	3.8	3.8	2.3	1.8	23	4.1
6	1.7	BF	1.3	1.1	1.3	1.4	1.7	1.7	1.7	1.7	BF	BF	BF	BF	4.1	3.2	3.0	3.3	3.4	2.8	2.2	2.1	2.1	1.9	19	4.1
7	1.8	BF	1.9	1.8	1.6	1.4	4.6	2.3	1.4	1.5	1.8	1.4	1.3	1.0	1.0	1.6	4.4	3.9	2.5	2.1	2.4	1.3	1.7	1.9	23	4.6
8	1.8	BF	1.3	1.3	1.6	2.1	2.2	2.5	3.5	3.6	3.4	2.5	2.2	1.6	1.1	.8	1.1	1.2	1.3	1.2	1.3	1.1	1.3	1.2	23	3.6
9	1.2	BF	1.4	2.1	3.0	2.7	1.9	1.7	1.8	1.6	1.5	1.4	1.2	1.1	.9	1.2	1.8	2.8	2.5	2.7	3.1	1.9	2.4	2.1	23	3.1
10	2.0	BF	2.0	2.1	2.1	2.7	3.1	2.1	1.4	1.2	.8	.8	.9	.8	1.0	2.1	3.4	4.7	3.5	3.0	2.7	3.2	2.9	2.3	23	4.7
11	2.8	BF	2.4	3.0	3.2	4.0	3.0	1.8	2.4	1.9	1.7	1.4	1.1	1.3	1.5	1.6	2.4	3.2	2.0	2.1	1.6	1.8	1.4	1.1	23	4.0
12	1.0	BF	.9	.9	1.2	1.4	1.1	1.2	1.6	1.9	2.0	2.3	1.8	1.3	1.5	2.0	2.3	2.4	2.1	2.2	2.3	2.2	2.3	2.3	23	2.4
13	2.5	BF	1.5	1.1	1.1	1.5	2.9	1.2	2.3	2.5	1.7	2.6	2.3	2.6	2.7	2.7	2.9	3.2	2.2	2.2	2.0	2.5	2.1	1.7	23	3.2
14	1.6	BF	1.1	1.2	1.8	2.2	2.6	2.1	2.1	2.1	1.3	BF	BF	BF	BF	.8	.9	2.4	5.0	1.9	1.9	1.3	1.5	1.5	19	5.0
15	.9	BF	1.3	1.5	2.5	2.7	3.4	3.7	2.5	1.8	1.3	1.3	1.1	1.0	.9	1.2	1.2	1.2	1.7	1.4	1.0	.9	.8	.8	23	3.7
16	1.0	BF	1.3	1.3	1.9	2.4	5.0	6.2	4.4	3.3	2.0	1.8	1.7	1.7	2.1	2.4	2.7	2.7	2.5	2.4	2.7	2.7	2.4	2.3	23	6.2
17	2.3	BF	1.8	1.7	1.7	1.5	1.4	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.3	1.1	1.8	3.3	2.4	1.8	1.4	1.4	1.4	1.6	23	3.3
18	1.9	BF	1.5	1.6	1.6	1.4	1.3	.9	.5	.5	.3	.3	.3	.3	.3	.5	.6	1.2	1.3	.7	1.8	2.9	3.5	2.6	23	3.5
19	2.5	BF	2.5	3.3	3.3	2.5	2.5	2.3	1.9	1.8	1.7	2.3	2.2	2.5	2.3	2.5	3.6	4.1	3.4	2.9	2.9	3.0	2.7	2.1	23	4.1
20	2.4	BF	2.3	2.3	2.5	2.5	2.6	2.9	3.3	4.1	3.6	3.1	2.8	2.4	2.2	2.0	1.8	3.7	3.9	2.5	2.6	2.6	1.7	1.3	23	4.1
21	1.6	BF	2.2	2.8	3.7	3.9	4.2	3.9	3.0	2.6	BF	BF	BF	BF	1.4	1.3	3.5	2.0	2.2	1.8	1.8	1.6	1.8	1.6	19	4.2
22	1.8	BF	1.8	2.4	2.3	2.3	2.6	2.4	2.0	1.9	2.2	2.4	2.2	2.0	2.3	2.7	3.4	4.8	3.1	2.2	2.3	1.7	1.5	1.5	23	4.8
23	1.5	BF	1.6	1.6	1.7	2.6	3.5	4.8	3.6	3.1	1.9	1.5	1.4	1.3	1.5	1.4	2.0	2.6	3.0	2.8	3.6	3.7	3.2	2.3	23	4.8
24	1.8	BF	1.5	1.5	1.7	1.6	1.3	1.1	1.1	1.2	1.1	1.1	.8	.7	.5	.5	.9	1.1	1.6	3.6	1.4	1.9	1.3	1.8	23	3.6
25	1.3	BF	1.7	1.2	1.0	1.3	2.1	3.0	3.0	2.5	1.6	1.3	.9	.8	.6	.7	.7	1.1	1.7	1.9	3.0	2.1	1.5	1.5	23	3.0
26	1.3	BF	.9	.8	.7	.7	.7	.8	1.1	1.2	1.1	1.0	1.0	.9	1.0	1.1	1.4	2.1	1.9	1.5	1.1	1.0	.9	.9	23	2.1
27	.8	BF	.7	.8	.6	.5	.4	.5	.7	.7	.8	.8	.7	.6	.6	.6	1.0	1.4	1.5	1.7	1.3	1.2	1.3	1.1	23	1.7
28	1.5	BF	1.1	1.0	.9	.8	1.1	1.0	.9	1.0	1.0	.7	.7	.6	.6	.7	1.9	3.7	1.1	1.8	2.4	1.7	1.7	1.9	23	3.7
29	3.0	BF	2.8	2.3	1.8	1.8	1.5	2.0	1.6	1.3	1.2	1.0	.9	.9	.9	.4	.4	.5	.5	.6	.6	.6	.8	.7	23	3.0
30	.7	BF	.7	.7	.6	.6	.6	.7	1.0	1.2	.7	.5	.4	.3	.3	.5	.5	.6	1.5	1.4	1.4	1.1	1.2	1.1	23	1.5
31	1.3	BF	1.2	1.3	1.0	1.0	1.1	1.3	1.8	1.7	2.1	1.4	1.6	2.1	2.3	2.4	2.2	2.0	1.8	1.6	1.8	1.6	1.2	1.0	23	2.4
NO.:	31		31	31	31	31	31	31	31	31	29	28	28	28	30	31	31	31	31	31	31	31	31	31		
MAX:	3.0		2.8	3.3	3.7	4.0	5.0	6.2	4.4	4.1	3.6	3.1	2.8	2.6	4.1	3.2	4.4	4.8	5.0	3.6	3.8	3.8	3.5	2.6		
AVG:	1.65		1.60	1.67	1.76	1.84	2.14	2.05	1.89	1.79	1.53	1.43	1.29	1.19	1.32	1.40	1.87	2.59	2.36	2.08	2.06	1.92	1.79	1.64		

MONTHLY OBSERVATIONS: 701 MONTHLY MEAN: 1.78 MONTHLY MAX: 6.2

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

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	1.5	BF	1.3	1.3	1.1	1.1	1.7	3.1	2.6	1.8	1.1	1.0	1.1	1.2	1.2	1.5	2.8	4.5	5.6	6.2	6.9	6.2	6.0	4.6	23	6.9
2	2.4	BF	.9	1.1	1.7	2.1	2.6	3.5	3.4	1.7	.9	1.0	1.1	1.0	1.4	3.1	4.8	15.7	26.0	28.5	27.1	24.4	19.7	18.5	23	28.5
3	20.3	BF	18.0	16.0	12.3	15.8	17.7	11.6	10.8	7.6	3.9	3.4	5.4	6.6	3.9	4.7	8.1	13.3	20.5	23.0	19.5	21.4	12.0	5.9	23	23.0
4	5.3	BF	2.9	3.0	3.6	3.8	6.2	9.5	9.0	4.9	2.8	1.9	2.2	2.2	2.6	2.7	3.4	4.2	4.2	3.3	3.8	3.2	2.4	2.2	23	9.5
5	2.1	BF	1.7	2.1	2.1	2.2	2.8	4.6	3.7	BF	BF	BF	BF	BF	1.6	2.0	2.4	3.5	5.2	5.4	5.1	5.7	6.0	6.9	18	6.9
6	6.9	BF	4.5	4.7	6.5	7.1	9.2	12.8	12.8	9.5	4.9	3.4	2.5	2.1	2.3	3.0	5.6	5.4	5.5	5.3	3.9	4.2	5.4	5.3	23	12.8
7	4.6	BF	3.6	3.4	2.8	2.1	3.4	4.7	5.6	5.5	3.0	2.8	4.1	3.6	3.7	3.9	4.5	5.4	5.2	6.4	5.4	6.8	5.9	4.2	23	6.8
8	3.2	BF	2.9	3.1	3.2	3.8	4.6	5.8	6.4	5.4	5.5	4.5	4.9	6.0	6.5	7.5	7.3	6.3	6.2	6.2	7.0	6.1	5.7	5.5	23	7.5
9	5.5	BF	4.1	4.2	5.2	5.4	5.7	6.2	5.5	5.6	4.3	2.6	1.7	1.8	1.5	1.8	2.3	2.4	2.8	2.2	2.5	2.0	1.9	2.4	23	6.2
10	2.1	BF	1.1	1.2	.8	.9	1.0	1.3	1.6	1.2	1.3	1.1	1.4	1.3	1.3	1.6	1.9	2.6	2.8	2.8	2.5	2.3	1.3	1.1	23	2.8
11	1.4	BF	2.4	2.6	2.4	3.2	6.2	12.1	6.4	3.3	1.9	1.9	1.8	1.6	3.0	3.8	6.0	15.9	30.4	30.8	29.1	27.8	26.3	24.6	23	30.8
12	23.9	BF	24.4	22.8	15.9	15.2	18.6	19.8	20.2	12.5	7.9	4.5	3.6	3.0	3.4	4.1	5.2	7.7	6.1	5.3	2.6	3.1	3.9	6.0	23	24.4
13	3.8	BF	2.2	1.9	1.8	2.8	6.8	6.4	4.9	4.1	4.2	2.8	1.4	2.2	3.2	3.6	6.1	14.6	34.4	35.2	32.9	33.6	32.8	30.1	23	35.2
14	30.1	BF	22.7	17.3	10.5	15.1	23.0	25.2	25.5	24.4	16.2	7.7	5.1	4.0	5.6	6.0	8.7	37.9	39.8	41.5	31.9	19.0	22.1	17.7	23	41.5
15	13.2	BF	8.0	7.3	8.5	16.5	20.2	22.4	20.5	18.7	20.4	18.3	16.6	16.4	15.5	7.4	5.2	7.1	4.6	4.3	3.1	2.1	2.3	3.2	23	22.4
16	3.1	BF	2.4	2.2	2.6	2.5	2.9	5.6	6.4	4.6	3.9	3.2	2.8	2.3	1.5	2.6	4.9	15.1	28.3	28.3	9.8	2.5	1.6	1.1	23	28.3
17	1.1	BF	1.2	1.4	2.0	2.5	2.5	2.3	2.3	2.5	3.3	2.9	1.7	2.0	2.0	1.9	2.6	4.8	12.1	18.7	18.2	11.5	10.7	15.2	23	18.7
18	13.3	BF	13.2	14.5	13.0	16.1	10.0	4.8	4.1	3.0	1.6	1.1	.9	.9	.9	1.3	2.2	4.2	6.4	3.9	4.6	4.8	2.1	2.0	23	16.1
19	1.9	BF	2.4	3.8	2.7	3.5	4.6	6.7	4.0	2.2	1.3	BF	BF	BF	1.7	1.7	2.5	4.5	5.3	7.8	11.3	21.3	16.0	7.1	20	21.3
20	6.1	BF	5.5	5.3	6.6	9.9	11.5	15.4	16.4	12.1	6.9	6.3	6.6	7.0	6.0	7.5	10.2	12.3	12.6	10.7	5.5	5.9	6.6	6.3	23	16.4
21	6.4	BF	6.5	7.0	10.3	14.3	11.3	12.8	8.3	3.0	2.9	1.7	1.3	1.6	1.6	2.2	2.6	4.6	10.0	9.0	10.3	15.2	9.5	9.2	23	15.2
22	5.7	BF	3.1	2.6	2.4	2.8	3.0	4.3	3.7	3.8	3.4	3.6	3.8	3.2	3.9	4.0	3.7	2.7	2.0	1.9	2.1	3.5	2.1	2.3	23	5.7
23	3.1	BF	6.0	6.4	5.9	4.8	5.2	3.5	2.5	1.9	1.6	1.5	1.8	2.4	1.9	1.8	2.5	2.1	1.7	3.4	3.3	2.3	3.2	3.0	23	6.4
24	4.1	BF	3.0	2.3	1.9	2.5	5.3	4.4	3.9	3.3	3.5	3.7	3.0	2.3	1.6	1.6	4.2	26.2	36.6	34.9	32.5	33.0	27.7	28.6	23	36.6
25	25.9	BF	22.0	21.7	24.6	19.3	20.0	21.7	19.9	21.5	17.0	12.2	7.8	7.0	4.9	6.8	9.2	25.6	33.0	29.4	24.0	29.6	25.9	22.9	23	33.0
26	21.1	BF	7.4	9.0	11.4	11.4	14.6	18.8	22.2	18.7	12.1	5.3	4.1	4.2	7.5	11.7	21.9	22.7	19.1	18.6	25.7	26.2	20.4	12.6	23	26.2
27	10.6	BF	5.6	7.0	5.4	4.3	5.2	14.0	8.8	5.0	3.8	3.6	2.8	2.8	2.6	3.1	3.3	6.3	11.0	13.4	9.1	7.0	6.9	4.5	23	14.0
28	4.2	BF	4.7	4.6	4.3	3.9	5.0	8.6	12.8	7.9	6.1	4.6	4.5	4.3	4.7	7.1	9.5	16.1	23.0	20.5	14.2	19.4	21.5	21.1	23	23.0
29	15.3	BF	6.4	7.0	8.7	10.3	15.1	18.8	12.3	11.7	7.9	3.3	1.6	1.7	1.8	1.7	1.6	2.9	3.6	4.5	3.7	6.2	6.6	4.5	23	18.8
30	3.5	BF	3.1	2.3	6.3	12.4	19.7	22.9	17.9	7.8	4.7	3.4	3.3	3.3	2.8	3.4	3.9	8.5	22.2	29.1	22.4	24.2	24.6	23.6	23	29.1
31	17.9	BF	12.4	12.3	10.4	11.8	14.6	13.9	14.0	9.7	6.4	2.2	1.7	2.0	2.0	2.1	3.3	6.6	9.2	7.4	5.3	4.7	3.7	2.7	23	17.9
NO.:	31		31	31	31	31	31	31	31	30	30	29	29	29	31	31	31	31	31	31	31	31	31	31		
MAX:	30.1		24.4	22.8	24.6	19.3	23.0	25.2	25.5	24.4	20.4	18.3	16.6	16.4	15.5	11.7	21.9	37.9	39.8	41.5	32.9	33.6	32.8	30.1		
AVG:	8.70		6.63	6.50	6.35	7.40	9.04	10.56	9.63	7.50	5.49	3.98	3.47	3.45	3.36	3.78	5.24	10.05	14.05	14.45	12.43	12.43	11.06	9.84		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 8.10 MONTHLY MAX: 41.5

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

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	3.0	BF	2.8	3.3	3.6	4.9	10.9	22.1	16.5	7.8	4.6	3.8	2.7	2.4	2.8	4.0	4.9	13.7	30.2	31.9	31.8	17.0	2.9	3.7	23	31.9
2	2.4	BF	2.1	1.7	1.4	1.4	2.2	3.7	4.3	3.3	2.5	BF	BF	BF	BF	3.9	4.6	6.5	5.9	5.0	4.4	2.6	1.9	1.3	19	6.5
3	.9	BF	.7	.9	1.0	1.4	3.0	6.2	7.5	5.4	2.3	2.4	2.5	2.6	2.6	4.0	7.2	7.1	6.1	5.3	3.8	3.6	3.2	2.3	23	7.5
4	2.1	BF	1.2	1.7	2.4	3.3	7.9	15.1	10.9	5.9	4.3	3.6	4.8	4.3	5.9	9.4	8.9	8.2	5.5	5.5	3.1	1.8	2.4	3.2	23	15.1
5	3.0	BF	2.1	2.0	1.6	2.1	2.4	3.8	5.5	2.6	1.7	1.3	1.3	.9	1.1	1.7	1.7	3.7	8.4	15.1	19.7	24.3	26.4	23.8	23	26.4
6	20.7	BF	16.7	17.0	17.3	17.1	17.5	15.7	10.4	10.6	4.6	1.7	1.7	1.2	.9	.8	.9	4.6	15.8	10.0	8.3	5.2	6.8	11.4	23	20.7
7	7.5	BF	3.4	2.6	1.9	1.7	1.6	2.1	2.1	2.4	2.6	2.2	2.9	2.5	1.9	1.6	1.6	1.5	1.8	1.3	1.2	1.5	2.0	2.5	23	7.5
8	2.7	BF	4.1	4.9	6.4	12.2	26.9	27.6	25.2	20.0	9.2	5.1	4.8	3.7	3.5	4.9	6.6	8.1	4.8	7.4	8.6	13.6	15.1	15.5	23	27.6
9	10.3	BF	5.6	4.6	7.4	9.6	10.5	17.1	14.3	8.6	5.1	3.7	4.1	3.6	4.1	4.3	3.9	5.8	4.1	4.7	3.3	3.0	2.4	1.9	23	17.1
10	2.4	BF	3.1	3.9	4.5	4.4	7.4	11.4	5.9	3.5	2.6	2.9	3.4	3.0	3.3	4.2	3.1	3.9	3.9	2.5	2.8	2.8	2.2	1.8	23	11.4
11	1.5	BF	1.5	2.2	2.3	4.0	9.9	14.6	5.1	3.3	2.9	2.8	2.8	2.4	2.4	3.6	2.4	4.3	12.0	18.3	30.5	23.5	15.5	10.8	23	30.5
12	11.4	BF	4.4	2.9	2.1	2.8	4.2	6.5	5.2	4.9	3.6	3.5	BF	BF	BF	BF	6.8	7.9	14.3	17.9	16.9	21.8	21.3	16.3	19	21.8
13	11.5	BF	12.9	5.3	2.7	1.6	1.5	2.5	1.9	1.6	1.6	1.0	1.0	.8	.8	.9	1.2	2.0	2.3	2.9	3.0	3.1	3.5	3.5	23	12.9
14	1.5	BF	1.4	1.5	1.9	1.9	4.4	3.7	1.5	.7	1.1	.5	.6	.6	.6	.8	2.1	2.5	3.2	2.9	3.7	1.8	1.9	1.8	23	4.4
15	1.2	BF	1.1	1.2	1.3	1.5	1.4	1.6	2.0	2.0	2.3	3.4	2.2	2.0	2.3	2.3	3.0	4.3	3.6	4.2	4.8	5.5	6.7	7.4	23	7.4
16	7.9	BF	1.2	.4	.3	.5	2.5	8.6	20.9	10.5	5.0	2.8	2.4	3.3	2.5	2.7	3.1	4.3	7.9	12.0	11.7	8.1	5.1	3.7	23	20.9
17	3.8	BF	8.9	12.2	12.0	9.5	14.8	17.6	17.6	7.1	2.4	1.4	.9	.9	1.3	1.9	2.6	3.6	6.3	8.4	4.4	2.2	1.8	1.8	23	17.6
18	2.0	BF	1.8	2.2	2.6	4.8	7.2	12.8	9.7	5.4	2.5	1.4	1.1	1.0	.9	1.5	1.2	2.1	6.8	9.5	11.6	22.6	17.0	10.0	23	22.6
19	9.5	BF	4.4	4.9	6.4	15.6	17.0	19.6	10.8	5.2	4.1	3.7	3.7	3.3	3.8	4.2	3.8	4.9	10.6	14.1	20.0	9.5	7.4	5.3	23	20.0
20	4.6	BF	2.3	2.5	2.6	3.3	7.8	13.3	14.0	9.1	3.2	2.7	4.0	3.9	4.1	4.1	4.6	5.2	8.4	8.3	6.9	3.8	3.2	4.2	23	14.0
21	4.5	BF	4.3	4.9	4.1	5.6	6.0	10.3	6.4	4.5	4.0	2.4	2.4	2.0	1.7	2.6	5.8	10.4	9.3	3.5	5.4	3.1	2.5	2.4	23	10.4
22	2.0	BF	3.0	6.0	4.2	4.4	3.1	2.5	3.2	2.5	1.4	2.2	2.7	2.7	2.3	3.4	7.3	4.5	4.2	3.7	2.1	1.9	1.8	1.5	23	7.3
23	1.1	BF	1.3	1.3	1.4	1.8	2.2	4.1	AZ	AZ	AZ	AZ	AZ	AZ	AZ	5.7	6.3	7.4	5.8	4.5	3.5	4.0	3.7	3.6	16	7.4
24	3.7	BF	4.3	4.1	3.5	3.2	5.3	6.7	4.3	2.4	2.1	2.8	3.2	4.6	1.4	1.1	1.2	2.2	2.8	3.5	2.4	1.6	1.2	1.4	23	6.7
25	1.2	BF	1.0	1.4	2.2	3.8	4.2	6.5	4.9	2.6	2.5	1.9	1.9	1.4	1.9	1.9	2.6	3.1	2.9	2.7	2.7	2.9	2.2	2.1	23	6.5
26	2.7	BF	2.4	3.3	6.9	9.8	19.6	15.6	6.4	2.2	BF	BF	BF	BF	2.0	2.0	1.9	2.8	3.8	4.2	2.9	3.6	2.1	2.0	19	19.6
27	2.1	BF	4.7	5.1	6.8	10.6	23.3	21.7	9.0	3.0	3.0	3.5	3.0	1.6	1.4	1.6	2.1	3.0	11.2	24.6	31.7	27.4	24.4	26.8	23	31.7
28	23.4	BF	20.2	18.8	17.6	19.5	20.6	18.4	13.6	10.7	5.4	2.6	1.8	1.5	1.3	1.9	2.5	4.7	6.3	7.3	6.2	3.9	3.3	3.7	23	23.4
29	3.4	BF	2.7	1.8	2.0	3.3	8.6	13.0	8.4	4.5	3.1	2.5	2.2	BA	BA	2.9	3.8	3.9	26.3	38.2	45.6	44.6	39.6	35.5	21	45.6
30																									0	
31																									0	
NO.:	29		29	29	29	29	29	29	28	28	27	26	25	24	25	28	29	29	29	29	29	29	29	29		
MAX:	23.4		20.2	18.8	17.6	19.5	26.9	27.6	25.2	20.0	9.2	5.1	4.8	4.6	5.9	9.4	8.9	13.7	30.2	38.2	45.6	44.6	39.6	35.5		
AVG:	5.31		4.33	4.30	4.50	5.71	8.76	11.19	8.84	5.44	3.32	2.61	2.56	2.34	2.27	3.00	3.71	5.04	8.09	9.63	10.45	9.32	7.91	7.28		

MONTHLY OBSERVATIONS: 646 MONTHLY MEAN: 6.00 MONTHLY MAX: 45.6

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

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	34.3	BF	27.3	25.7	21.8	17.8	18.1	16.5	18.2	BA	BA	BA	2.1	2.5	3.5	4.1	5.2	6.5	6.6	5.2	5.4	3.8	2.1	1.8	20	34.3
2	1.6	BF	1.5	1.1	1.4	3.0	2.7	3.8	3.8	1.2	1.4	BC	BC	BC	BC	BC	BC	BC	3.3	4.8	3.9	3.6	3.0	2.9	16	4.8
3	3.2	BF	2.6	4.3	4.5	6.7	13.8	11.1	3.7	2.2	2.0	2.4	2.3	2.3	3.0	3.0	3.5	4.0	3.9	3.8	2.6	4.2	2.7	1.4	23	13.8
4	1.1	BF	1.4	2.0	2.1	1.9	2.8	4.2	3.9	3.3	4.0	3.4	3.2	3.2	1.7	1.6	1.5	2.3	20.6	23.7	22.8	29.7	19.8	9.8	23	29.7
5	14.1	BF	7.6	6.4	6.0	6.7	7.9	8.3	4.8	2.9	2.4	2.0	2.7	2.5	2.2	2.3	3.3	4.5	7.6	13.7	10.5	11.8	7.6	7.5	23	14.1
6	7.1	BF	5.0	4.3	5.7	6.7	7.4	7.7	6.2	2.5	2.3	1.5	.7	.8	.8	.7	.8	1.0	14.2	18.4	22.1	19.9	19.5	14.7	23	22.1
7	17.4	BF	9.6	10.8	15.2	13.0	16.1	19.5	16.1	6.6	4.4	3.4	2.5	2.4	3.2	3.8	4.7	6.9	15.3	15.0	17.7	13.5	12.5	10.4	23	19.5
8	4.3	BF	4.7	5.0	5.9	6.7	14.1	17.8	8.2	4.0	3.5	2.8	2.6	2.5	2.8	3.7	5.7	9.6	23.6	29.9	31.6	20.8	15.7	11.3	23	31.6
9	8.5	BF	6.3	3.1	2.4	5.5	13.3	19.3	9.8	4.2	2.6	2.3	2.5	2.5	2.9	3.0	3.4	7.2	10.2	13.4	8.7	6.2	3.5	2.8	23	19.3
10	2.3	BF	1.7	1.8	2.3	3.9	8.3	13.1	11.2	4.9	3.0	2.4	2.2	2.5	2.6	3.4	3.6	4.8	8.6	7.6	6.2	5.1	3.0	2.3	23	13.1
11	2.1	BF	.9	1.3	1.6	2.2	4.8	7.8	8.4	4.9	3.0	2.4	1.8	1.6	1.9	2.3	1.6	3.0	2.8	2.9	2.5	2.7	2.4	1.7	23	8.4
12	1.3	BF	1.1	1.6	1.1	1.5	1.7	2.1	2.2	2.0	2.5	2.1	2.5	1.7	2.1	2.7	2.8	5.1	11.9	17.0	15.0	11.6	12.4	10.6	23	17.0
13	5.4	BF	3.6	4.6	3.9	5.0	5.2	6.2	3.4	3.0	1.8	2.3	1.6	2.3	2.0	1.7	2.1	6.6	7.0	5.0	3.8	2.6	2.9	3.5	23	7.0
14	4.4	BF	3.2	3.1	5.3	6.0	12.0	17.1	13.4	8.7	3.7	3.9	4.1	3.1	5.0	3.8	4.6	2.5	2.7	2.5	3.4	2.2	2.4	2.2	23	17.1
15	2.3	BF	1.4	1.5	1.6	2.3	3.6	6.6	5.8	4.1	2.3	1.3	.9	1.0	1.6	1.4	2.5	3.6	14.5	29.1	19.1	14.5	22.3	11.0	23	29.1
16	8.7	BF	4.2	4.9	8.2	10.5	21.0	19.0	18.0	14.4	BF	BF	BF	BF	4.2	3.7	5.2	5.8	8.5	37.5	35.0	16.9	10.2	5.7	19	37.5
17	10.5	BF	13.9	13.6	15.7	14.1	8.0	8.3	5.6	7.6	2.5	1.4	1.7	3.5	4.3	3.9	4.8	6.7	14.3	30.0	41.6	43.9	26.3	5.3	23	43.9
18	2.5	BF	2.1	2.4	5.0	5.4	11.9	16.8	6.7	2.5	1.8	1.6	1.0	2.3	3.0	2.2	1.5	4.5	16.5	32.2	30.8	33.8	31.3	17.3	23	33.8
19	14.1	BF	9.6	8.5	14.2	11.9	14.8	13.0	9.1	4.9	2.2	2.2	2.8	2.4	1.8	2.2	2.4	2.3	2.2	1.8	1.0	1.0	1.0	1.0	23	14.8
20	1.0	BF	1.8	1.8	1.3	1.4	1.7	1.9	1.9	2.0	2.0	2.4	2.4	2.6	3.0	2.9	3.1	3.4	2.9	2.5	2.6	2.1	1.8	2.0	23	3.4
21	2.2	BF	2.8	2.8	2.8	4.0	5.3	5.3	2.8	1.5	1.4	1.2	1.2	1.4	2.6	1.7	2.0	2.6	6.0	7.2	11.8	17.0	13.0	20.4	23	20.4
22	23.9	BF	26.4	22.6	19.9	18.4	16.4	20.2	24.8	17.0	6.2	3.4	2.5	2.6	3.6	3.5	4.2	5.7	10.2	15.1	12.6	4.8	2.9	2.3	23	26.4
23	2.3	BF	2.6	3.4	5.0	10.9	17.4	12.5	6.5	4.3	3.3	3.2	2.6	3.1	3.6	3.4	4.7	5.2	6.6	7.8	7.4	6.2	5.7	3.7	23	17.4
24	2.3	BF	1.9	2.5	3.1	6.6	14.6	14.9	8.0	4.3	3.3	2.6	2.5	2.5	2.6	2.9	2.7	3.9	4.4	2.8	2.0	1.7	1.4	1.1	23	14.9
25	.6	BF	1.0	.8	1.2	2.8	4.9	5.0	2.9	2.6	2.9	2.6	2.6	2.6	3.1	3.6	4.7	5.9	8.1	12.4	14.7	18.0	10.5	2.8	23	18.0
26	1.7	BF	3.6	1.6	1.6	1.8	2.3	2.3	1.8	1.4	1.5	1.3	1.2	1.4	1.1	2.3	3.4	3.5	7.8	6.7	3.8	2.1	2.3	1.9	23	7.8
27	1.6	BF	1.1	1.3	1.1	1.1	1.4	1.4	1.3	1.4	1.3	1.1	1.0	.8	1.2	1.6	1.9	3.0	3.1	5.3	4.0	3.9	4.1	4.0	23	5.3
28	4.3	BF	3.3	3.6	6.3	10.6	13.3	7.8	4.2	2.4	2.7	2.0	2.0	1.4	1.4	1.1	1.2	1.3	2.4	2.8	3.8	1.5	1.7	1.1	23	13.3
29	1.1	BF	1.6	3.1	2.6	3.6	7.9	5.3	2.4	1.1	3.0	.7	.6	.6	.5	1.2	1.1	1.0	2.7	12.8	21.0	22.7	28.7	25.7	23	28.7
30	23.4	BF	7.4	3.7	4.7	6.9	8.3	8.4	4.6	BF	BF	BF	BF	BF	1.5	2.2	2.8	4.6	7.2	9.9	3.5	2.4	2.1	2.8	18	23.4
31	2.6	BF	2.1	3.3	4.0	7.4	11.5	10.6	5.8	3.8	2.2	2.1	2.3	1.9	2.5	2.7	4.5	4.2	8.5	6.2	3.0	1.9	1.7	1.0	23	11.5
NO.:	31		31	31	31	31	31	31	31	29	28	27	28	28	30	30	30	30	31	31	31	31	31	31		
MAX:	34.3		27.3	25.7	21.8	18.4	21.0	20.2	24.8	17.0	6.2	3.9	4.1	3.5	5.0	4.1	5.7	9.6	23.6	37.5	41.6	43.9	31.3	25.7		
AVG:	6.85		5.27	5.05	5.73	6.65	9.44	10.12	7.27	4.33	2.69	2.22	2.08	2.14	2.51	2.62	3.18	4.37	8.52	12.42	12.06	10.71	8.92	6.19		

MONTHLY OBSERVATIONS: 694 MONTHLY MEAN: 6.24 MONTHLY MAX: 43.9

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

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	.9	BF	.9	.9	1.3	3.2	5.5	7.0	5.4	4.2	3.2	2.6	2.4	2.2	3.0	3.1	3.7	4.1	4.7	3.9	4.7	5.4	5.9	2.7	23	7.0
2	1.9	BF	1.8	1.7	1.7	2.6	3.1	4.0	4.0	1.4	1.8	1.5	2.1	1.6	1.7	2.1	2.2	1.6	1.9	2.0	1.4	1.4	1.4	1.2	23	4.0
3	1.1	BF	.6	.7	.6	.5	.8	.6	.6	.5	.5	.5	.5	.5	.4	.5	1.5	3.1	7.5	18.8	20.8	15.3	11.0	9.7	23	20.8
4	8.0	BF	2.9	3.6	4.5	9.5	20.1	13.5	5.7	3.5	2.8	2.5	2.4	3.0	3.1	3.7	4.2	4.2	8.8	8.8	6.6	5.3	5.3	10.0	23	20.1
5	10.0	BF	1.2	1.0	1.1	1.9	3.0	3.1	2.5	2.2	2.0	1.3	1.0	.8	1.3	.9	1.1	1.4	2.9	4.8	5.7	4.0	2.5	3.1	23	10.0
6	3.7	BF	3.8	6.1	9.5	10.4	22.5	14.8	6.4	4.0	2.4	2.8	2.7	2.0	2.7	2.8	3.9	5.6	6.6	10.6	9.5	3.7	2.2	1.2	23	22.5
7	1.1	BF	1.6	1.3	1.3	2.6	3.7	6.7	5.2	4.3	3.1	2.1	2.0	2.8	3.6	2.8	3.3	4.3	4.3	10.7	16.2	3.9	2.2	1.5	23	16.2
8	1.9	BF	1.0	4.8	6.7	6.6	14.6	9.8	4.2	3.9	1.5	1.5	1.3	2.5	2.1	2.4	1.9	3.0	5.6	6.8	9.4	27.2	33.0	13.9	23	33.0
9	4.8	BF	1.2	1.4	1.2	2.5	5.6	4.3	2.7	1.2	.7	.7	.7	.8	.7	.8	.8	.8	1.0	1.9	1.6	1.2	.9	1.2	23	5.6
10	1.0	BF	1.1	1.4	1.8	2.5	3.4	1.9	1.4	.9	.8	1.1	.8	1.2	1.7	1.5	1.9	3.2	4.6	9.1	6.8	5.9	3.8	2.0	23	9.1
11	1.6	BF	1.6	2.5	4.0	12.3	14.3	7.6	5.0	2.9	2.4	2.4	1.8	2.2	2.8	3.2	4.0	4.3	5.4	5.7	2.5	1.6	1.2	1.0	23	14.3
12	.9	BF	1.1	1.4	2.9	6.2	7.0	9.3	8.9	7.2	9.9	9.1	8.8	9.3	11.8	14.7	12.4	12.9	12.8	13.2	10.4	6.0	1.4	1.3	23	14.7
13	1.3	BF	1.4	1.4	1.6	2.9	6.3	3.2	1.6	BF	BF	BF	BF	1.3	1.2	.9	1.1	1.2	3.3	4.6	2.7	2.1	2.2	1.9	19	6.3
14	1.7	BF	1.7	2.0	4.4	7.1	10.8	6.7	2.2	2.2	1.8	1.1	.8	.9	1.8	.9	1.9	2.2	2.4	2.4	1.9	1.7	1.3	1.2	23	10.8
15	1.4	BF	2.0	2.7	2.9	5.0	6.5	3.4	1.8	1.1	1.0	.7	1.2	.8	.9	1.0	1.3	1.4	2.3	1.8	1.6	1.6	1.8	1.7	23	6.5
16	1.7	BF	1.9	2.8	3.1	4.2	5.8	3.7	2.8	.9	1.0	1.4	1.2	.9	.9	.9	.9	1.0	1.7	6.3	3.7	12.1	4.7	2.7	23	12.1
17	1.4	BF	1.5	3.0	3.6	4.4	4.9	2.2	1.1	.8	.8	.7	.5	.5	.5	.5	.7	.9	2.2	6.7	19.2	17.5	17.5	14.3	23	19.2
18	16.2	BF	15.1	13.9	16.1	16.1	20.1	24.7	26.6	5.8	2.5	2.4	2.3	1.4	1.6	1.5	2.3	4.2	16.2	44.1	52.6	38.7	10.5	8.9	23	52.6
19	3.4	BF	1.6	2.0	3.8	8.9	12.8	9.3	7.2	2.0	2.5	1.6	1.1	1.7	1.5	1.2	2.7	6.0	17.4	39.4	46.3	37.4	34.3	18.8	23	46.3
20	3.9	BF	1.0	1.0	1.2	1.9	3.0	2.5	1.7	1.4	1.1	.8	1.1	.8	1.4	2.7	2.6	3.3	5.5	8.3	9.8	3.1	1.8	1.3	23	9.8
21	1.1	BF	1.3	1.7	3.9	7.8	11.3	8.8	6.5	4.1	3.7	2.4	2.0	2.1	2.5	2.7	4.3	2.6	3.1	3.3	2.7	2.7	3.0	2.4	23	11.3
22	1.3	BF	1.4	2.0	2.7	6.5	9.3	9.0	5.7	3.5	4.3	3.9	3.5	7.7	9.1	16.4	14.2	10.9	13.1	11.3	9.5	7.3	5.5	4.9	23	16.4
23	5.0	BF	2.7	2.6	1.5	1.3	1.9	1.7	1.1	1.1	.9	.5	.6	.5	.9	1.4	2.0	2.7	2.1	5.4	9.5	5.6	8.1	6.1	23	9.5
24	2.5	BF	1.3	1.0	1.1	1.5	1.8	1.5	.9	.6	.5	1.2	.6	.5	.5	.7	.5	1.6	5.2	19.1	15.6	9.6	9.1	7.1	23	19.1
25	5.2	BF	3.3	4.0	4.5	9.2	10.4	10.9	6.0	3.4	2.6	2.5	2.1	2.9	2.7	3.1	3.9	4.6	6.1	7.9	7.3	4.4	2.5	2.4	23	10.9
26	2.1	BF	2.2	2.9	3.4	6.6	7.4	6.6	4.1	3.0	2.8	2.2	2.1	3.3	3.2	3.6	4.2	4.7	6.7	10.2	6.7	4.7	4.0	2.5	23	10.2
27	2.6	BF	2.2	3.4	4.9	9.6	12.2	8.2	3.9	4.7	BF	BF	BF	BF	5.3	3.9	4.0	5.0	6.5	2.2	2.5	2.6	1.9	1.4	19	12.2
28	1.2	BF	1.2	1.2	3.3	5.7	7.4	10.1	9.1	5.3	3.0	5.0	2.8	2.4	4.6	3.9	9.8	7.3	9.8	7.2	8.5	5.6	3.8	1.7	23	10.1
29	1.3	BF	1.1	1.1	1.3	2.1	3.3	3.5	2.5	2.0	1.8	1.8	1.8	1.3	1.5	1.8	2.2	3.6	3.6	4.6	4.0	4.7	4.1	3.6	23	4.7
30	2.1	BF	.8	.9	1.0	.9	3.2	2.5	2.8	3.2	2.1	2.0	1.6	1.7	3.6	3.6	5.1	3.5	2.4	2.6	2.7	2.8	2.0	1.5	23	5.1
31																									0	
NO.:	30		30	30	30	30	30	30	30	29	28	28	28	29	30	30	30	30	30	30	30	30	30	30		
MAX:	16.2		15.1	13.9	16.1	16.1	22.5	24.7	26.6	7.2	9.9	9.1	8.8	9.3	11.8	16.4	14.2	12.9	17.4	44.1	52.6	38.7	34.3	18.8		
AVG:	3.08		2.08	2.55	3.36	5.42	8.07	6.70	4.65	2.80	2.27	2.08	1.85	2.06	2.62	2.97	3.49	3.84	5.86	9.46	10.08	8.17	6.30	4.44		

MONTHLY OBSERVATIONS: 682 MONTHLY MEAN: 4.56 MONTHLY MAX: 52.6

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

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	1.3	BF	1.1	1.1	1.1	1.3	1.6	1.9	2.1	3.5	4.8	3.5	3.3	2.9	1.8	1.7	2.1	3.5	3.3	4.8	6.2	6.7	6.0	4.8	23	6.7
2	2.6	BF	2.2	2.6	3.3	6.7	9.0	6.6	4.8	3.9	3.0	2.2	2.3	2.3	3.8	3.8	13.6	17.6	15.8	11.2	4.6	3.1	2.2	2.0	23	17.6
3	2.7	BF	1.2	1.4	3.4	10.5	12.6	15.2	10.6	8.4	4.9	3.3	2.3	2.4	2.7	2.2	5.9	6.9	4.9	7.7	6.0	7.0	12.3	7.1	23	15.2
4	5.3	BF	2.5	1.9	2.3	3.6	4.5	3.8	2.2	2.0	1.3	.8	.7	1.1	1.6	1.4	2.1	2.6	3.6	6.8	7.9	10.1	12.9	8.6	23	12.9
5	7.8	BF	7.8	6.5	4.6	5.0	5.6	2.6	2.2	1.4	2.4	3.2	4.3	4.0	3.3	2.0	2.2	2.1	2.5	3.1	3.7	3.4	2.7	2.8	23	7.8
6	2.5	BF	2.8	3.0	2.8	4.2	5.6	4.4	2.3	2.5	1.4	1.5	2.2	1.4	2.0	1.1	4.4	6.1	8.8	24.3	27.7	19.7	14.2	10.6	23	27.7
7	10.7	BF	6.4	5.9	4.6	8.6	5.5	3.9	3.1	1.6	.9	.7	.8	1.0	1.7	2.1	2.4	3.5	5.7	14.0	14.7	9.3	6.1	4.5	23	14.7
8	3.0	BF	2.4	1.7	1.6	2.0	2.9	1.9	1.3	1.0	.7	.8	.8	.9	.9	1.4	.9	.9	1.3	2.6	3.1	2.4	2.3	1.9	23	3.1
9	2.2	BF	5.2	3.9	4.8	7.4	11.2	11.1	5.2	4.4	4.6	3.8	2.7	4.0	5.0	4.8	3.8	4.4	10.9	18.3	14.3	13.8	10.8	7.7	23	18.3
10	7.5	BF	11.5	12.3	7.1	12.6	21.1	12.2	7.7	BA	BA	BA	2.8	2.5	5.5	3.3	3.9	4.8	6.6	8.4	5.5	4.9	4.7	5.1	20	21.1
11	4.5	BF	3.6	3.9	4.5	10.9	12.4	8.4	5.1	3.3	BF	BF	BF	2.4	3.4	3.0	3.2	2.9	4.6	8.0	9.5	11.1	14.2	8.4	20	14.2
12	5.2	BF	2.5	1.9	2.9	1.8	2.2	2.3	BA	BF	BF	BF	4.0	3.3	2.2	1.9	3.2	2.7	4.1	5.2	3.6	3.0	3.6	4.2	19	5.2
13	5.2	BF	1.6	2.3	3.1	5.0	8.1	6.8	5.1	BF	BF	BF	BF	1.7	1.5	1.0	1.2	1.4	2.5	8.5	22.4	25.3	24.4	20.9	19	25.3
14	17.0	BF	5.3	4.2	5.8	7.9	9.4	7.2	4.3	2.6	2.6	2.2	1.6	1.8	1.7	1.8	2.0	2.8	2.1	2.1	3.1	1.0	.9	.5	23	17.0
15	.6	BF	.7	.7	.7	.7	.7	.5	.5	.5	.4	.5	.6	.7	.6	.8	.8	1.0	2.1	7.4	15.2	18.5	12.2	4.5	23	18.5
16	5.1	BF	5.8	5.3	9.0	12.3	16.2	11.0	6.7	3.1	1.6	2.0	2.0	2.3	2.4	2.5	3.2	2.9	4.2	11.6	16.3	8.9	9.2	5.3	23	16.3
17	4.6	BF	4.1	4.3	4.4	8.5	11.7	11.9	8.7	7.0	6.6	4.5	3.0	4.3	6.0	5.4	4.1	6.6	6.2	4.2	2.5	1.7	1.8	1.7	23	11.9
18	1.3	AN	.9	.9	2.5	3.1	3.2	3.9	2.8	2.0	2.1	2.3	1.8	1.3	2.4	2.4	1.8	2.1	1.7	2.2	2.0	1.8	1.4	1.1	23	3.9
19	1.0	BF	1.3	3.4	2.4	4.0	5.5	3.4	4.4	3.5	3.4	3.8	4.4	2.3	2.5	1.6	1.5	2.1	2.7	3.4	1.8	3.6	2.6	2.4	23	5.5
20	2.7	BF	2.2	1.9	4.3	4.5	3.4	3.0	2.2	1.5	1.3	1.5	1.3	1.2	2.1	2.5	3.1	4.6	5.1	3.6	1.9	2.2	1.5	1.5	23	5.1
21	1.1	BF	.9	1.0	.9	1.8	2.6	1.9	1.4	.8	.9	.6	.6	.4	.6	.5	.5	.7	2.2	2.7	4.2	2.3	1.9	1.9	23	4.2
22	1.4	BF	.6	.6	.5	.8	.5	.6	.5	.9	1.2	1.7	1.6	.8	.8	.7	.7	1.3	1.9	2.8	3.5	1.7	3.2	2.2	23	3.5
23	1.8	BF	2.2	3.2	3.2	3.7	4.2	3.9	2.6	1.8	1.7	1.4	1.6	1.3	2.3	1.7	1.3	1.2	2.5	6.2	9.4	12.0	13.7	10.1	23	13.7
24	9.7	BF	5.8	9.2	5.1	8.3	7.5	5.9	6.1	3.9	3.6	3.0	1.6	1.7	1.8	1.0	2.1	2.5	4.8	12.6	22.2	29.2	24.6	19.9	23	29.2
25	17.2	BF	7.6	10.0	8.3	8.6	11.7	9.0	8.0	3.8	BA	2.3	2.2	2.6	3.2	2.7	2.8	3.5	3.4	6.5	20.1	21.2	18.6	10.6	22	21.2
26	4.3	BF	3.0	5.6	6.1	12.0	11.9	12.2	6.8	5.5	BF	BF	BF	BF	BF	2.7	3.6	4.5	5.9	10.5	8.5	7.0	3.1	1.9	18	12.2
27	1.8	BF	1.8	2.0	2.7	7.9	11.5	6.7	4.1	BA	BA	BF	BF	BF	BF	2.5	3.7	4.1	4.5	7.7	4.8	3.8	3.8	4.8	17	11.5
28	4.4	BF	6.6	5.3	5.4	8.3	4.9	3.3	1.5	.9	.7	.9	.6	.7	.6	.6	.9	1.3	2.7	5.2	6.3	6.1	4.4	2.7	23	8.3
29	2.1	BF	1.9	1.7	1.5	1.6	1.6	1.7	1.4	1.0	1.0	1.2	.9	.6	.4	1.0	2.0	2.2	1.8	2.9	3.1	2.1	2.0	2.0	23	3.1
30	1.8	BF	2.1	2.4	2.0	2.1	2.1	2.0	1.2	.7	.5	.5	.9	.6	.8	.7	1.0	1.1	2.7	3.3	3.5	4.0	3.3	2.1	23	4.0
31	1.8	BF	1.3	1.2	1.0	1.4	2.1	1.5	.7	1.4	.6	.7	.5	.5	.9	1.0	1.1	1.9	1.2	2.2	3.6	2.2	2.7	2.5	23	3.6
NO.:	31		31	31	31	31	31	31	30	27	24	25	27	29	29	31	31	31	31	31	31	31	31	31		
MAX:	17.2		11.5	12.3	9.0	12.6	21.1	15.2	10.6	8.4	6.6	4.5	4.4	4.3	6.0	5.4	13.6	17.6	15.8	24.3	27.7	29.2	24.6	20.9		
AVG:	4.52		3.38	3.59	3.61	5.71	6.87	5.51	3.85	2.70	2.18	1.96	1.90	1.83	2.22	1.99	2.75	3.41	4.27	7.10	8.43	8.04	7.33	5.36		

MONTHLY OBSERVATIONS: 687 MONTHLY MEAN: 4.36 MONTHLY MAX: 29.2

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

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	2.2	BF	3.5	2.5	2.9	4.1	6.1	3.5	1.6	.9	.9	.4	.5	.7	1.3	1.3	3.2	2.3	1.1	2.1	1.9	1.8	1.8	1.4	23	6.1
2	1.3	BF	1.2	1.4	1.0	2.8	2.3	2.9	2.3	2.1	1.8	1.4	1.1	1.2	2.6	1.4	1.3	4.8	4.1	3.9	3.7	6.1	5.2	5.7	23	6.1
3	4.8	BF	5.4	5.8	6.2	5.5	7.4	4.8	3.0	1.7	1.6	2.1	1.3	2.0	2.9	2.7	2.4	3.2	3.6	6.4	2.4	2.9	3.9	4.0	23	7.4
4	3.8	BF	3.3	4.8	4.1	4.0	3.7	5.4	3.8	2.2	1.5	1.3	1.6	.9	1.3	1.2	.9	1.7	2.9	4.0	5.9	4.1	3.5	4.2	23	5.9
5	.9	BF	2.2	3.0	1.9	2.7	2.3	2.0	1.5	1.4	1.3	1.3	1.7	1.6	1.2	1.1	1.5	2.3	2.7	3.1	2.8	1.7	1.5	1.6	23	3.1
6	1.4	BF	1.4	2.1	2.2	4.6	6.9	4.9	3.1	2.4	2.4	2.7	3.2	3.8	3.2	3.4	4.5	6.5	5.8	4.9	3.7	2.9	2.8	2.0	23	6.9
7	2.0	BF	2.0	1.4	2.2	4.8	4.6	3.1	1.8	1.3	.9	.9	1.1	1.4	1.8	1.1	1.4	1.9	2.7	3.4	3.2	2.7	3.6	2.3	23	4.8
8	2.8	BF	2.1	2.0	5.1	6.4	4.1	3.5	1.5	1.1	BF	BF	BF	BF	1.3	.9	1.2	1.5	3.3	4.3	5.7	11.1	11.7	10.2	19	11.7
9	2.6	BF	2.1	3.8	5.4	13.9	12.1	10.7	4.2	1.9	1.0	1.0	2.0	2.6	2.5	1.8	2.5	2.8	3.7	9.2	20.7	24.9	24.0	18.3	23	24.9
10	14.6	BF	7.1	8.5	8.1	4.4	6.9	3.9	2.7	1.3	1.4	1.3	1.3	1.5	1.6	1.9	2.4	5.2	5.5	9.1	13.0	12.4	9.3	9.4	23	14.6
11	4.6	BF	1.9	2.2	2.6	5.0	4.4	3.3	2.5	1.9	1.5	1.3	1.0	1.0	1.3	1.5	1.1	2.5	3.9	8.0	16.0	13.4	8.8	5.7	23	16.0
12	3.1	BF	1.8	1.6	1.8	1.9	2.0	1.7	1.4	1.0	1.1	1.1	.9	1.1	1.0	1.0	1.5	1.7	2.3	2.7	1.9	1.4	1.2	1.2	23	3.1
13	1.1	BF	1.2	1.0	1.4	3.1	4.6	2.4	1.2	1.5	1.3	1.0	.6	.6	1.0	.7	.9	1.4	1.8	5.2	17.5	11.9	18.8	17.2	23	18.8
14	16.8	BF	9.5	9.1	10.4	16.5	10.8	12.7	7.5	2.4	1.0	1.1	1.3	.8	1.0	1.4	2.1	1.2	3.0	3.9	3.9	3.2	3.4	2.8	23	16.8
15	3.6	BF	3.1	3.3	4.0	6.5	6.7	7.0	7.5	5.8	4.0	2.1	2.6	1.8	2.1	2.4	3.5	4.8	6.4	3.6	3.5	3.4	5.3	6.7	23	7.5
16	6.9	BF	4.0	3.9	3.3	4.8	4.6	4.5	3.7	2.8	2.7	.8	.7	.7	1.2	.9	1.0	.9	1.9	8.8	10.5	9.8	6.5	6.1	23	10.5
17	1.8	BF	3.9	3.1	2.6	6.0	5.5	2.5	1.4	1.3	1.1	1.2	1.2	1.7	1.1	1.2	1.6	1.2	1.1	.7	1.5	2.3	2.1	.9	23	6.0
18	.7	BF	2.1	1.2	.8	1.1	.9	.6	.5	.4	.4	.5	.4	.4	.4	.5	.6	.8	.9	1.7	2.6	4.1	2.8	2.7	23	4.1
19	2.7	BF	4.1	6.4	5.9	5.5	3.8	2.3	1.1	.6	.6	.6	.4	.6	.4	.4	.7	1.0	3.0	8.5	6.9	5.0	6.2	8.7	23	8.7
20	12.9	BF	12.4	12.4	7.4	7.1	6.4	3.7	3.5	1.9	1.4	1.1	1.1	1.5	1.1	1.3	2.1	2.2	3.5	10.3	17.3	18.3	8.6	4.4	23	18.3
21	3.4	BF	2.0	2.5	3.8	8.0	10.1	8.0	5.7	4.9	5.1	4.1	2.8	2.5	2.1	2.9	4.2	7.1	5.0	4.5	3.0	2.7	2.3	1.9	23	10.1
22	1.4	BF	1.4	2.0	3.1	5.4	5.3	4.5	3.9	BF	BF	BF	BF	BF	BF	1.1	2.2	3.9	4.2	7.4	11.1	6.5	5.1	3.1	17	11.1
23	2.9	BF	3.5	4.1	4.7	8.5	9.7	7.4	BA	BA	BF	BF	BF	BF	2.9	2.7	7.7	9.7	7.1	4.0	1.5	2.2	2.4	3.1	17	9.7
24	2.1	BF	3.2	3.2	5.2	8.9	5.9	5.9	6.8	4.3	3.2	2.6	2.4	1.7	1.5	1.3	1.8	1.3	2.6	9.2	10.6	11.6	13.5	19.1	23	19.1
25	11.6	BF	3.0	2.3	1.9	2.8	2.2	1.0	.9	1.0	.8	.8	.6	.7	.5	.8	.8	1.3	1.0	1.4	1.9	1.7	1.5	1.3	23	11.6
26	1.3	BF	1.6	2.0	1.9	2.8	1.4	.8	.8	1.2	.4	.8	.4	.4	.4	.7	.6	.7	1.3	2.2	5.7	9.6	7.4	13.7	23	13.7
27	12.2	BF	2.5	2.8	3.7	5.1	6.7	9.9	6.0	3.2	2.3	2.0	1.4	1.3	1.5	1.8	2.4	4.7	8.9	9.2	11.6	11.4	6.2	2.7	23	12.2
28	2.1	BF	2.1	2.6	3.3	6.7	6.2	5.7	7.2	7.2	5.4	4.4	4.6	6.1	5.4	4.7	5.8	4.2	5.2	8.5	7.9	9.7	8.6	5.6	23	9.7
29	2.8	BF	3.6	1.6	1.8	2.2	2.9	2.6	2.2	2.0	1.1	.8	1.2	1.3	1.4	2.2	3.1	4.2	3.9	2.2	6.1	6.5	4.7	2.7	23	6.5
30	2.7	BF	2.8	2.1	1.7	3.3	4.2	3.8	2.2	1.4	1.0	2.5	3.6	1.4	1.7	1.7	3.1	4.6	4.5	4.4	5.1	3.7	2.0	2.6	23	5.1
31																									0	
NO.:	30		30	30	30	30	30	30	29	28	27	27	27	27	29	30	30	30	30	30	30	30	30	30		
MAX:	16.8		12.4	12.4	10.4	16.5	12.1	12.7	7.5	7.2	5.4	4.4	4.6	6.1	5.4	4.7	7.7	9.7	8.9	10.3	20.7	24.9	24.0	19.1		
AVG:	4.44		3.33	3.49	3.68	5.48	5.36	4.50	3.16	2.18	1.75	1.53	1.52	1.53	1.64	1.60	2.27	3.05	3.56	5.23	6.97	6.97	6.16	5.71		

MONTHLY OBSERVATIONS: 674 MONTHLY MEAN: 3.75 MONTHLY MAX: 24.9

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

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	3.2	BF	4.5	3.4	4.4	6.7	7.9	7.6	5.0	3.0	2.0	2.3	2.1	1.6	2.0	2.7	2.4	3.0	4.0	9.2	15.7	18.7	9.0	5.6	23	18.7
2	3.0	BF	.6	1.1	2.3	3.8	5.3	6.4	6.7	2.8	.7	.6	.6	.8	.7	.5	.9	2.2	2.7	2.3	2.6	2.2	2.2	1.9	23	6.7
3	1.5	BF	1.2	1.1	1.4	1.1	1.5	2.0	1.5	.7	.7	.6	.7	.6	.8	.9	.9	.9	.7	.9	.9	1.1	.9	.9	23	2.0
4	.6	BF	.7	.6	.5	1.2	1.4	1.2	1.1	1.8	1.4	1.1	1.7	1.4	1.2	1.5	1.8	1.7	2.1	4.8	4.6	5.5	4.8	4.2	23	5.5
5	2.4	BF	1.7	2.5	3.4	5.8	5.2	3.3	2.2	1.6	1.6	1.6	1.6	1.6	1.5	2.6	4.9	3.5	7.5	10.4	9.4	7.0	7.0	6.0	23	10.4
6	3.5	BF	2.1	2.0	3.9	7.7	6.7	5.0	3.7	4.0	2.5	2.0	2.2	1.9	1.6	2.0	4.0	2.0	2.3	5.4	11.3	12.8	5.3	2.8	23	12.8
7	3.4	BF	3.6	3.5	2.9	5.1	5.0	3.8	3.2	2.1	BF	BF	BF	BF	2.0	2.9	5.7	8.9	8.9	4.6	3.0	3.4	2.9	3.0	19	8.9
8	2.5	BF	1.6	2.2	2.7	5.8	6.9	6.1	5.3	3.2	2.0	2.1	1.4	1.7	1.9	1.9	3.1	3.9	4.7	2.2	5.0	3.1	4.0	4.1	23	6.9
9	4.0	BF	1.6	1.5	2.0	2.9	3.0	2.8	2.6	2.3	1.3	1.2	1.0	1.0	1.5	1.2	1.3	1.3	1.8	3.3	5.0	4.6	3.2	4.6	23	5.0
10	4.3	BF	1.8	1.8	1.7	1.7	1.5	1.1	.6	.4	.5	.7	.4	.4	.5	.5	.5	.6	1.0	1.9	8.1	10.2	9.8	6.7	23	10.2
11	6.5	BF	6.6	4.7	10.2	9.2	8.7	8.8	4.6	2.4	1.1	1.6	1.3	1.3	1.3	2.6	6.3	7.4	5.7	5.7	6.3	6.1	8.1	6.5	23	10.2
12	5.0	BF	3.1	2.4	3.0	5.7	8.6	8.2	5.8	2.0	1.6	1.5	2.4	1.7	1.8	2.5	2.3	3.9	3.2	5.2	1.7	1.6	2.5	2.7	23	8.6
13	2.4	BF	3.4	3.4	5.5	8.9	11.7	8.2	6.2	5.1	1.8	1.2	1.1	.9	1.1	1.3	1.7	1.7	2.0	2.8	2.6	3.0	4.1	6.6	23	11.7
14	6.4	BF	6.1	6.7	8.6	7.0	6.9	13.2	9.2	2.6	1.7	1.5	1.4	1.0	1.4	2.0	2.7	3.3	5.3	5.9	4.7	6.5	5.2	4.8	23	13.2
15	3.6	BF	3.4	3.2	4.3	9.2	9.5	6.6	4.3	2.3	1.6	1.5	1.4	2.2	2.0	3.5	3.1	8.9	5.0	5.5	8.0	9.5	9.5	7.1	23	9.5
16	5.3	BF	2.6	2.7	3.7	4.0	3.6	3.7	2.3	2.3	2.4	2.7	2.0	2.3	1.4	1.2	2.5	3.5	2.9	3.8	1.7	1.8	2.8	2.4	23	5.3
17	2.8	BF	2.6	1.7	1.8	2.7	2.7	1.8	.9	1.0	.6	.7	.9	.7	1.5	1.9	1.8	2.5	3.9	9.2	12.2	10.4	7.3	5.7	23	12.2
18	4.1	BF	4.0	3.1	2.7	5.9	6.2	5.1	6.7	4.8	2.6	2.2	1.5	1.6	1.6	2.3	3.2	5.2	4.2	5.5	6.8	4.7	3.8	2.6	23	6.8
19	2.7	BF	3.4	2.9	4.3	6.7	5.9	4.1	3.2	1.5	1.0	1.7	1.2	1.0	1.0	1.5	1.7	1.4	2.0	2.0	2.6	1.3	1.5	2.7	23	6.7
20	2.1	BF	2.1	2.1	2.1	2.1	2.1	1.2	2.6	1.6	1.0	.8	.8	.7	1.6	1.2	1.4	.9	1.2	3.0	3.8	6.3	4.7	3.7	23	6.3
21	3.1	BF	3.6	8.4	8.0	6.0	5.9	5.6	2.4	1.7	BF	BF	BF	BF	2.3	1.8	2.9	2.9	3.8	9.7	6.9	8.8	6.1	4.7	19	9.7
22	4.8	BF	4.1	3.6	4.8	8.4	11.1	8.9	4.6	3.3	2.3	1.9	2.2	2.5	2.1	2.1	3.1	3.6	4.2	5.3	4.0	4.8	4.5	4.7	23	11.1
23	4.5	BF	3.7	3.8	3.9	5.1	6.1	4.1	2.4	1.9	1.9	1.7	1.3	1.3	2.2	1.5	1.7	2.7	4.8	6.9	9.2	5.9	5.3	3.7	23	9.2
24	3.2	BF	3.4	3.5	3.7	4.3	3.6	2.0	1.6	1.1	1.1	1.4	1.0	.7	1.1	1.5	1.4	2.2	3.4	9.7	11.3	9.9	7.5	4.8	23	11.3
25	2.6	BF	2.6	2.7	3.4	7.1	7.8	4.7	3.3	2.8	2.2	2.0	2.0	1.9	2.0	2.2	3.4	3.6	3.6	5.4	4.0	3.7	2.7	2.3	23	7.8
26	1.5	BF	2.5	2.1	2.5	4.4	6.3	5.0	3.9	2.7	2.3	2.0	2.1	1.7	1.8	2.0	2.9	3.7	7.0	10.7	4.0	3.2	2.4	4.7	23	10.7
27	4.7	BF	3.5	2.6	3.5	9.9	11.3	7.0	5.2	6.1	2.9	1.5	1.2	1.2	2.4	3.0	2.9	3.2	3.4	2.8	4.2	3.4	2.4	3.2	23	11.3
28	3.2	BF	3.7	3.4	3.7	7.7	8.6	5.3	6.0	4.0	2.5	1.9	2.1	1.8	2.1	2.4	2.9	3.2	3.4	4.4	3.9	3.7	3.0	3.9	23	8.6
29	3.0	BF	3.8	5.5	4.9	5.1	5.9	3.2	2.0	1.0	.6	.7	.7	.7	.8	.8	.7	.8	1.1	2.8	11.9	11.4	10.0	7.9	23	11.9
30	5.3	BF	4.1	3.5	2.9	4.2	4.3	4.4	6.7	5.0	2.6	2.2	1.4	1.3	1.3	1.6	1.7	1.7	3.1	1.8	2.6	2.7	3.2	3.9	23	6.7
31	5.6	BF	2.9	2.9	2.8	2.9	3.0	2.6	2.3	2.7	1.8	1.1	.7	.8	.5	1.0	3.9	2.7	1.7	2.4	2.3	3.3	2.4	2.9	23	5.6
NO.:	31		31	31	31	31	31	31	31	31	29	29	29	29	31	31	31	31	31	31	31	31	31	31		
MAX:	6.5		6.6	8.4	10.2	9.9	11.7	13.2	9.2	6.1	2.9	2.7	2.4	2.5	2.4	3.5	6.3	8.9	8.9	10.7	15.7	18.7	10.0	7.9		
AVG:	3.57		3.05	3.05	3.73	5.43	5.94	4.94	3.81	2.57	1.67	1.52	1.39	1.32	1.52	1.83	2.57	3.13	3.57	5.02	5.82	5.83	4.78	4.24		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 3.51 MONTHLY MAX: 18.7

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

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	4.5	BF	4.3	4.2	5.6	8.2	11.0	9.7	6.5	5.1	4.0	2.9	2.0	1.8	1.9	1.3	1.7	3.5	4.3	5.9	6.3	6.0	4.5	4.1	23	11.0
2	4.4	BF	2.4	1.9	3.3	6.9	6.7	6.2	5.1	4.1	3.4	2.1	2.2	2.2	1.7	1.8	2.3	5.4	7.8	6.9	8.5	5.1	4.4	3.2	23	8.5
3	2.2	BF	1.9	1.2	1.6	2.2	3.5	2.9	2.6	1.5	1.3	.9	.7	1.0	1.3	1.5	2.3	1.2	1.4	1.7	1.3	1.1	1.3	1.3	23	3.5
4	1.4	BF	1.5	2.1	1.4	2.1	3.0	2.1	1.1	BF	BF	BF	BF	1.2	.6	1.2	1.7	1.2	1.4	2.0	1.9	2.2	2.2	1.5	19	3.0
5	1.6	BF	2.1	1.8	2.3	4.7	4.9	4.0	3.2	1.9	1.4	2.0	1.7	1.5	2.0	2.5	2.6	5.7	5.9	8.0	8.5	9.9	8.7	5.3	23	9.9
6	4.2	BF	4.2	3.6	2.9	3.0	3.2	2.9	2.5	1.5	1.1	1.1	1.1	1.1	1.4	1.3	1.6	2.6	4.2	4.9	4.3	4.9	4.3	4.1	23	4.9
7	2.8	BF	1.4	1.6	1.7	1.5	1.4	1.5	1.8	1.4	1.0	.8	.9	1.8	1.3	1.4	.7	.7	1.4	4.5	4.0	2.0	2.0	2.2	23	4.5
8	2.1	BF	3.4	1.3	1.2	2.7	3.8	3.1	2.7	1.6	2.1	1.6	1.8	1.5	1.7	1.9	1.7	2.2	1.8	3.2	2.4	1.6	1.5	1.7	23	3.8
9	1.5	BF	.9	1.2	1.6	2.9	4.0	2.8	2.4	1.5	1.3	.8	1.0	.9	.8	1.6	2.7	3.0	5.2	5.0	5.2	4.8	3.4	3.6	23	5.2
10	3.2	BF	2.6	2.5	2.3	3.4	3.4	3.2	3.1	1.8	1.9	.8	1.2	1.5	.9	1.7	1.8	2.3	4.1	6.8	5.2	4.3	3.4	3.2	23	6.8
11	3.0	BF	3.4	3.2	4.2	5.2	5.3	6.2	3.1	2.5	1.2	1.2	1.4	1.1	1.9	2.6	2.9	4.4	3.7	7.4	7.7	6.7	4.8	2.9	23	7.7
12	2.6	BF	3.4	3.3	4.2	6.0	6.1	6.2	3.8	2.5	1.5	1.7	1.7	1.2	1.7	3.3	2.4	2.9	3.3	5.4	6.3	7.9	6.0	3.7	23	7.9
13	2.4	BF	2.8	2.9	3.1	4.3	3.7	2.4	2.2	1.8	1.5	1.4	1.3	1.5	1.4	1.6	1.5	2.0	3.8	5.9	5.0	4.3	3.4	2.9	23	5.9
14	2.6	BF	2.2	1.9	2.4	2.9	2.4	1.5	1.4	1.1	.8	1.1	1.1	.8	.9	1.1	1.8	3.4	4.5	8.4	11.5	10.5	7.8	5.4	23	11.5
15	3.8	BF	3.1	3.3	4.2	7.8	7.7	5.8	4.7	3.0	2.1	2.0	2.3	1.5	1.9	2.3	2.7	3.3	4.4	8.3	9.7	9.6	6.0	3.6	23	9.7
16	2.7	BF	2.6	3.1	4.0	6.9	7.3	4.4	2.7	1.5	1.6	1.6	1.5	1.0	1.3	1.6	2.1	3.4	4.8	7.2	5.5	4.7	3.0	2.1	23	7.3
17	1.8	BF	2.1	2.5	3.4	5.0	5.8	4.4	3.6	2.7	1.9	1.7	1.4	1.5	1.6	2.3	3.6	3.6	5.4	4.9	3.6	2.9	5.4	8.4	23	8.4
18	4.6	BF	3.3	3.5	3.4	8.1	8.7	6.7	3.8	BF	BF	BF	BF	1.0	1.0	.9	1.1	1.1	1.4	2.6	4.1	3.7	7.1	10.5	19	10.5
19	5.0	BF	2.0	2.0	2.8	3.8	8.0	7.4	3.6	2.9	2.9	1.5	1.2	2.0	1.9	2.4	2.8	2.6	3.2	5.7	4.8	4.1	4.5	3.5	23	8.0
20	2.7	BF	2.6	2.3	3.0	3.3	2.7	2.4	2.8	2.2	1.3	1.2	1.4	1.0	1.6	2.0	1.8	2.0	2.3	5.6	8.7	5.7	8.9	8.5	23	8.9
21	5.9	BF	5.3	4.6	4.4	5.1	4.3	2.6	1.7	1.5	1.2	1.0	1.1	1.0	1.1	1.3	1.0	1.1	.9	1.7	3.0	2.9	2.3	1.9	23	5.9
22	1.5	BF	2.2	2.2	3.9	4.7	7.2	4.3	2.1	1.5	.8	.6	.6	.7	.7	.9	.8	1.1	2.1	5.4	5.6	4.8	3.5	2.8	23	7.2
23	7.2	BF	3.2	3.5	4.7	6.3	8.7	7.9	3.4	1.6	1.3	1.5	1.2	1.3	1.2	1.1	2.2	2.3	4.1	5.3	4.4	3.8	3.3	2.3	23	8.7
24	1.7	BF	1.9	2.1	2.4	4.6	8.8	8.7	3.3	2.0	1.2	1.4	1.3	.8	.9	1.7	2.2	2.4	3.6	7.4	9.9	9.4	10.2	9.5	23	10.2
25	10.5	BF	8.1	7.5	11.0	13.6	13.5	14.6	12.5	9.6	3.9	1.8	1.8	1.5	1.5	2.1	3.9	4.1	5.8	11.0	13.5	9.4	8.4	7.1	23	14.6
26	3.8	BF	3.1	3.5	4.6	9.1	11.0	7.3	4.7	2.6	2.2	1.6	.9	1.0	1.4	.8	2.3	4.2	6.1	11.0	13.6	11.1	9.3	7.4	23	13.6
27	5.0	BF	4.4	4.3	4.9	7.7	8.0	4.2	2.7	2.2	1.3	.9	.9	1.4	2.2	1.5	1.9	1.7	2.4	4.1	2.4	2.1	1.8	2.3	23	8.0
28	2.0	BF	1.7	1.9	1.6	1.7	1.4	.9	.7	.6	.5	.5	.3	.4	.5	.5	.6	1.1	1.2	1.7	1.6	1.9	1.9	1.4	23	2.0
29	1.1	BF	1.0	1.0	1.8	3.7	7.6	4.7	2.5	2.2	1.3	1.0	.6	.5	.6	1.2	1.2	1.9	4.1	5.6	4.5	3.6	3.5	4.8	23	7.6
30	6.1	BF	8.5	7.2	8.6	9.3	10.4	7.5	6.1	1.8	.9	1.2	.9	.8	.9	2.2	2.0	2.4	3.7	6.2	7.9	5.3	4.6	3.3	23	10.4
31	3.0	BF	3.4	5.3	8.0	9.0	9.6	5.5	2.7	2.7	2.4	1.5	1.0	1.4	1.8	1.8	2.5	3.5	5.3	5.3	5.2	4.6	3.8	3.1	23	9.6
NO.:	31		31	31	31	31	31	31	31	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31		
MAX:	10.5		8.5	7.5	11.0	13.6	13.5	14.6	12.5	9.6	4.0	2.9	2.3	2.2	2.2	3.3	3.9	5.7	7.8	11.0	13.6	11.1	10.2	10.5		
AVG:	3.45		3.06	2.98	3.69	5.35	6.23	4.97	3.39	2.38	1.70	1.36	1.26	1.22	1.34	1.66	2.01	2.65	3.66	5.65	6.00	5.19	4.68	4.12		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 3.41 MONTHLY MAX: 14.6

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

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	3.4	BF	4.3	5.2	6.2	9.4	12.0	7.3	4.1	3.2	BF	BF	BF	BF	3.3	6.1	5.1	6.6	6.2	13.0	11.1	7.1	7.7	6.9	19	13.0
2	6.7	BF	3.6	3.4	3.1	2.9	4.2	3.7	3.1	3.2	3.8	3.5	2.9	2.3	2.2	2.1	3.0	1.4	1.4	1.4	.9	.8	.6	.7	23	6.7
3	1.0	BF	.9	.7	.7	.7	.9	1.1	1.4	1.4	.8	.7	.7	1.2	1.3	1.5	1.5	1.2	1.5	2.2	2.6	3.3	2.8	2.5	23	3.3
4	2.6	BF	3.2	2.1	1.7	1.6	1.7	1.4	1.4	1.1	.6	.6	.6	.5	.5	.6	.8	1.1	1.9	4.3	5.3	6.7	9.1	6.7	23	9.1
5	5.0	BF	3.1	2.7	2.9	3.7	5.6	3.4	1.6	.8	.6	.7	.6	.6	.5	.5	.7	1.2	3.3	19.7	26.8	23.0	15.5	7.6	23	26.8
6	4.9	BF	3.8	3.7	4.5	3.9	6.3	7.1	4.9	2.9	1.8	1.1	.9	.9	1.6	2.6	3.5	5.0	11.2	20.6	20.5	15.2	8.7	3.4	23	20.6
7	1.8	BF	1.7	2.4	4.1	8.1	16.9	11.9	7.3	2.6	1.6	1.0	.9	1.8	2.2	3.5	4.2	3.6	7.3	12.8	19.9	14.9	6.2	3.1	23	19.9
8	1.9	BF	2.3	2.5	4.5	16.5	19.8	10.2	6.8	5.2	3.4	1.9	2.2	2.5	2.3	3.8	3.9	5.2	11.1	19.5	13.4	9.1	7.0	4.2	23	19.8
9	3.9	BF	4.4	4.4	5.1	9.3	15.5	10.7	7.9	6.4	6.4	3.9	3.2	2.2	1.9	3.2	4.6	5.5	9.7	13.3	11.8	8.5	5.6	3.2	23	15.5
10	2.4	BF	2.3	2.2	2.6	3.4	4.9	4.0	3.7	3.9	2.4	2.4	2.5	1.8	1.9	2.0	2.2	3.0	5.0	5.2	4.7	3.2	2.9	2.5	23	5.2
11	2.1	BF	2.0	2.0	2.7	2.2	3.0	2.4	1.8	1.1	.7	.6	.6	.6	.7	.8	.9	1.1	2.4	2.8	1.1	1.1	.9	1.0	23	3.0
12	1.8	BF	1.4	2.7	3.2	2.5	4.0	4.1	2.4	1.7	1.4	1.6	1.2	1.2	1.9	2.3	3.0	5.4	5.9	7.2	5.4	3.6	3.4	3.1	23	7.2
13	1.9	BF	1.8	1.8	3.0	3.4	8.1	8.6	3.9	2.6	1.6	1.4	1.3	1.4	1.6	3.1	3.0	4.5	11.2	11.3	9.3	8.5	6.0	4.1	23	11.3
14	3.7	BF	4.5	5.3	8.5	12.7	11.6	13.9	8.3	4.6	3.2	2.1	2.1	1.6	2.0	2.5	3.9	5.3	5.9	7.4	5.7	4.7	4.2	4.8	23	13.9
15	5.4	BF	7.7	8.1	10.0	11.3	10.1	12.2	5.4	BF	BF	BF	BF	1.1	1.4	1.7	1.6	1.6	1.9	1.4	1.0	1.2	1.1	.9	19	12.2
16	.7	BF	.8	.8	.8	1.1	2.3	2.4	1.8	1.1	1.0	1.0	.7	1.0	1.2	1.5	1.9	2.1	2.6	2.5	2.6	2.5	2.0	1.9	23	2.6
17	2.0	BF	1.7	1.3	1.1	1.2	1.5	1.7	1.7	1.3	.7	1.1	.8	.9	.8	1.3	1.4	3.8	4.2	8.0	5.3	3.9	4.3	3.3	23	8.0
18	2.7	BF	2.2	2.4	1.6	1.4	1.2	1.7	1.3	1.1	.8	.6	.7	.8	.6	.8	1.8	2.7	1.8	3.1	3.3	3.0	2.5	1.9	23	3.3
19	1.9	BF	2.1	2.5	2.2	3.1	4.5	5.2	2.6	2.3	2.9	4.8	6.3	6.7	4.7	3.3	3.2	5.2	3.6	4.8	2.6	1.4	1.0	1.8	23	6.7
20	2.5	BF	2.9	1.6	2.8	2.7	3.1	2.9	2.3	1.7	2.0	1.2	1.7	2.5	2.5	2.4	2.0	2.2	2.1	2.0	1.7	1.4	1.2	1.2	23	3.1
21	1.2	BF	1.4	1.2	.7	.8	1.1	1.3	1.7	1.9	1.3	1.3	.9	1.0	2.0	1.3	2.3	2.5	2.5	2.1	1.9	1.4	1.2	.7	23	2.5
22	.6	BF	.4	.8	.7	1.3	1.9	2.3	2.2	1.1	1.0	2.3	1.5	.9	1.2	3.1	2.3	2.2	2.0	2.9	1.8	1.3	1.2	.9	23	3.1
23	1.1	BF	.9	.9	1.5	2.6	2.5	2.8	2.5	1.4	1.2	1.2	.9	.8	1.0	.9	2.4	3.2	4.3	10.5	10.0	7.6	5.8	7.2	23	10.5
24	7.2	BF	4.9	4.2	4.4	5.4	4.5	6.4	4.4	1.7	1.3	1.2	1.2	1.8	.7	.6	1.0	3.4	16.3	19.0	23.8	17.8	16.0	5.2	23	23.8
25	1.1	BF	.6	.7	.8	.7	.8	1.5	1.1	1.8	1.7	2.2	1.2	1.3	2.1	2.3	2.3	1.8	1.5	2.1	2.7	2.4	2.0	1.3	23	2.7
26	1.3	BF	.9	1.5	2.0	5.0	6.1	6.3	6.2	4.7	4.4	6.6	2.9	3.1	2.6	4.4	5.8	9.2	9.3	12.4	10.4	5.8	4.1	5.2	23	12.4
27	3.2	BF	3.7	3.5	3.2	5.9	8.6	8.8	6.2	2.8	2.2	3.5	3.4	2.8	2.6	3.9	4.3	5.6	7.5	7.6	5.7	5.0	4.0	4.3	23	8.8
28	4.1	BF	2.2	2.2	2.3	4.4	8.4	9.8	7.6	5.8	3.6	2.8	2.1	2.8	3.4	5.1	6.5	8.2	7.6	7.0	6.1	5.6	3.7	3.2	23	9.8
29	2.7	BF	2.1	1.9	2.0	4.1	7.9	11.4	BF	BF	BF	BF	BF	BF	1.8 1	3.2 1	5.1 1	5.2 1	6.4 1	4.0 1	3.3 1	2.0 1	1.8 1	1.5 1	17	11.4
30	1.0 1	BF	1.0 1	1.1 1	1.2 1	3.1 1	3.7 1	4.1 1	3.0 1	3.1 1	1.7 1	2.9 1	2.5 1	1.6 1	1.9 1	2.1 1	3.2 1	2.6 1	5.2 1	6.8 1	5.3 1	6.1 1	4.4 1	3.5 1	23	6.8
31																									0	
NO.:	30		30	30	30	30	30	30	29	28	27	27	27	28	30	30	30	30	30	30	30	30	30	30		
MAX:	7.2		7.7	8.1	10.0	16.5	19.8	13.9	8.3	6.4	6.4	6.6	6.3	6.7	4.7	6.1	6.5	9.2	16.3	20.6	26.8	23.0	16.0	7.6		
AVG:	2.73		2.49	2.53	3.00	4.48	6.09	5.69	3.74	2.59	2.00	2.01	1.72	1.70	1.81	2.42	2.91	3.72	5.43	7.90	7.53	5.94	4.56	3.26		

MONTHLY OBSERVATIONS: 676 MONTHLY MEAN: 3.78 MONTHLY MAX: 26.8

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

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	3.6 1	BF	2.8 1	3.4 1	2.2 1	4.6 1	3.9 1	3.7 1	4.0 1	3.8 1	3.8 1	3.7 1	3.0 1	2.2 1	2.0 1	2.5 1	4.1 1	7.8 1	15.1 1	10.2 1	14.2 1	11.8 1	14.1 1	11.7 1	23	15.1
2	11.1 1	BF	4.6 1	5.1 1	4.3 1	3.8 1	3.0 1	2.2 1	1.2 1	.8 1	.7 1	.9 1	.8 1	.6 1	.8 1	.7 1	.9 1	1.9 1	4.6 1	7.3 1	6.4 1	9.1 1	4.6 1	8.5 1	23	11.1
3	8.6 1	BF	5.5 1	4.5 1	4.6 1	6.4 1	9.5 1	7.1 1	4.0 1	2.8 1	1.4 1	1.2 1	1.0 1	.9 1	1.5 1	1.7 1	2.6 1	6.1 1	8.4 1	6.9 1	5.2 1	3.8 1	2.1 1	2.0 1	23	9.5
4	1.8 1	BF	2.0 1	3.3 1	4.9 1	4.7 1	4.4 1	3.7 1	4.2 1	5.1 1	1.3 1	.8 1	.9 1	.9 1	1.4 1	1.7 1	1.6 1	2.1 1	3.8 1	3.1 1	2.0 1	1.7 1	1.1 1	1.1 1	23	5.1
5	1.0 1	BF	.7 1	.7 1	1.3 1	1.9 1	2.5 1	2.3 1	3.3 1	2.7 1	BA	BA	1.2 1	1.2 1	1.9 1	1.7 1	2.3 1	2.5 1	1.8 1	1.6 1	1.4 1	1.6 1	1.5 1	1.6 1	21	3.3
6	2.2 1	BF	1.6 1	1.3 1	1.8 1	3.1 1	5.6 1	5.6 1	BF	BF	BF	BF	1.5	1.7	2.2	2.4	2.4	3.0	3.1	2.5	2.3	1.8	1.4	1.1	19	5.6
7	.9	BF	.7	.9	.7	1.3	2.1	2.5	1.7	1.8	2.0	2.0	1.8	1.9	2.3	1.6	1.7	1.4	1.1	.9	.8	.7	.6	.5	23	2.5
8	.4	BF	.4	.4	.3	.4	.8	.8	.8	.8	.8	.7	.6	.9	.8	.7	1.2	1.0	.8	.8	.5	.5	.5	.7	23	1.2
9	.7	BF	.6	1.0	1.4	1.6	.9	1.1	1.3	1.0	.9	.9	.8	.9	.8	1.0	1.5	4.0	8.8	5.7	2.0	2.4	9.0	14.0	23	14.0
10	6.2	BF	1.2	1.3	1.3	2.8	5.1	3.6	2.1	1.1	.8	.7	.7	.7	.8	.9	1.2	4.1	5.5	7.7	8.7	10.8	8.6	9.2	23	10.8
11	9.2	BF	4.5	4.9	5.4	8.9	12.6	8.9	4.4	3.5	1.3	.9	.8	.8	1.5	1.2	1.3	5.4	9.3	15.2	14.5	11.5	8.5	7.6	23	15.2
12	5.0	BF	4.7	3.8	4.2	8.5	11.3	7.5	4.4	1.9	.9	1.2	1.0	1.0	1.2	1.9	2.8	2.5	11.1	12.8	10.9	13.7	11.3	10.4	23	13.7
13	11.9	BF	6.1	6.5	7.3	5.3	6.0	7.5	13.0	10.2	4.4	3.7	2.7	2.6	1.9	2.0	2.4	7.4	9.4	7.0	9.3	8.1	6.7	2.1	23	13.0
14	1.6	BF	2.7	2.7	2.4	2.6	7.1	6.7	2.7	1.7	1.5	1.6	.9	.9	1.3	1.2	1.6	4.7	6.5	6.5	5.5	6.1	8.6	4.5	23	8.6
15	2.4	BF	1.8	1.8	2.1	2.8	3.6	6.0	5.3	2.0	1.2	.9	.8	.5	.5	1.1	2.7	5.7	7.6	8.0	6.5	12.6	11.7	10.1	23	12.6
16	9.7	BF	3.1	7.4	6.1	4.9	5.6	4.4	3.2	2.9	1.1	1.6	1.6	1.5	1.5	2.0	3.4	7.8	19.1	18.3	19.6	17.4	15.4	12.7	23	19.6
17	12.2	BF	9.9	8.2	9.3	11.3	10.7	15.0	17.8	8.9	4.3	3.2	2.6	3.1	3.1	3.8	6.8	16.0	24.3	27.5	21.1	22.2	19.6	16.5	23	27.5
18	8.3	BF	5.2	5.2	6.9	11.4	15.9	14.0	8.0	3.9	2.8	2.8	2.4	3.1	3.1	4.4	5.1	10.9	19.1	14.9	14.8	14.1	12.7	9.9	23	19.1
19	6.3	BF	4.3	4.9	6.6	12.1	16.8	16.5	11.1	5.1	4.5	3.7	3.0	1.7	1.5	1.8	6.1	13.6	24.8	26.5	25.9	24.6	24.5	14.1	23	26.5
20	12.3	BF	8.5	7.3	7.6	8.6	8.4	8.3	7.3	9.5	9.4	BF	BF	BF	2.4	4.2	7.3	12.4	15.6	13.9	10.9	7.6	5.7	5.1	20	15.6
21	3.2	BF	4.0	6.0	6.1	9.1	10.8	11.0	9.6	4.3	3.2	4.0	4.4	2.7	2.7	5.5	2.9	3.3	2.1	1.5	1.5	1.7	1.9	1.8	23	11.0
22	1.7	BF	1.3	1.3	1.5	2.0	3.5	2.8	1.2	.9	1.1	.9	1.0	.9	1.1	1.0	1.1	1.7	1.9	2.5	3.4	3.6	4.8	6.5	23	6.5
23	7.6	BF	3.4	3.3	2.9	3.1	4.8	6.2	3.5	2.0	1.4	1.2	1.4	1.4	1.2	2.0	3.3	11.3	21.6	16.0	9.7	9.3	8.0	3.2	23	21.6
24	1.8	BF	1.5	2.6	3.4	16.1	19.6	20.5	13.5	5.0	4.3	3.8	2.9	2.8	2.5	3.1	4.4	7.4	26.2	13.0	3.9	3.0	2.4	1.8	23	26.2
25	2.4	BF	2.1	2.1	3.2	4.1	11.8	8.6	3.5	2.8	1.6	2.1	1.6	1.8	2.4	3.7	4.4	12.1	25.6	24.5	21.8	18.5	18.0	14.5	23	25.6
26	10.8	BF	6.0	4.9	9.1	9.2	13.2	12.3	9.3	5.0	3.0	1.8	2.1	2.2	2.7	4.0	8.3	23.9	30.2	10.1	21.8	24.4	22.3	17.1	23	30.2
27	11.1	BF	5.7	9.0	10.8	9.7	11.7	11.4	10.5	12.4	7.8	3.6	2.8	3.4	3.9	6.8	8.2	14.1	16.4	10.8	7.9	10.5	5.4	3.9	23	16.4
28	3.2	BF	3.3	5.6	6.0	12.7	21.4	16.1	6.8	3.0	1.6	1.1	.9	1.0	1.2	1.6	3.2	14.8	22.1	17.6	14.0	12.5	8.6	10.8	23	22.1
29	10.6	BF	8.3	7.0	7.0	6.0	4.4	6.1	11.8	9.3	4.3	3.4	2.7	2.5	3.0	3.5	6.0	16.1	29.0	19.6	22.0	13.2	13.3	12.9	23	29.0
30	10.4	BF	6.4	5.9	5.2	5.2	7.5	7.3	3.7	2.7	2.3	1.8	1.7	1.2	1.6	3.0	5.5	18.1	26.1	27.5	26.8	24.4	13.8	4.2	23	27.5
31	2.3	BF	5.6	5.9	4.4	5.0	9.7	8.5	2.7	1.2	1.0	.6	.8	.9	1.2	1.4	2.1	3.3	3.0	3.7	5.0	3.9	4.0	2.7	23	9.7
NO.:	31		31	31	31	31	31	31	30	30	29	28	30	30	31	31	31	31	31	31	31	31	31	31		
MAX:	12.3		9.9	9.0	10.8	16.1	21.4	20.5	17.8	12.4	9.4	4.0	4.4	3.4	3.9	6.8	8.3	23.9	30.2	27.5	26.8	24.6	24.5	17.1		
AVG:	5.82		3.82	4.14	4.53	6.10	8.20	7.68	5.86	3.94	2.58	1.96	1.68	1.60	1.81	2.39	3.50	7.95	13.03	11.10	10.33	9.91	8.73	7.19		

MONTHLY OBSERVATIONS: 704 MONTHLY MEAN: 5.86 MONTHLY MAX: 30.2

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

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	2.1	BF	1.5	1.4	2.2	2.9	5.7	10.1	5.6	4.3	2.7	2.5	3.9	4.9	5.7	6.5	9.2	8.7	11.9	14.0	13.7	14.1	14.0	11.7	23	14.1
2	10.3	BF	7.2	6.1	5.9	6.3	6.7	7.9	17.6	17.2	10.3	5.8	5.3	4.4	4.2	4.7	12.0	26.3	30.5	31.4	29.7	27.0	24.6	21.6	23	31.4
3	22.8	BF	12.2	17.9	13.9	18.4	20.3	17.5	13.5	6.8	BF	BF	BF	BF	6.4	6.7	12.6	24.8	34.1	27.7	11.3	6.6	5.1	3.4	19	34.1
4	2.5	BF	3.3	2.5	1.3	2.0	2.4	4.2	3.0	1.8	1.1	1.2	.9	.9	1.2	1.3	1.9	5.6	7.4	11.8	10.8	7.2	4.5	5.0	23	11.8
5	4.0	BF	4.1	3.7	3.1	4.4	9.4	8.8	4.5	2.9	1.8	1.2	1.0	1.0	1.3	1.0	1.4	6.8	23.2	26.1	22.2	18.1	14.9	12.0	23	26.1
6	10.7	BF	8.1	9.1	6.1	5.9	6.2	7.3	7.3	4.0	2.0	1.5	.8	.7	.7	.9	1.8	4.8	8.8	11.1	10.0	17.1	15.2	7.9	23	17.1
7	12.4	BF	4.8	4.3	3.5	7.1	10.5	11.2	6.5	2.7	1.5	1.5	1.6	1.6	1.3	1.9	3.7	8.9	11.3	13.9	25.3	22.9	20.5	18.6	23	25.3
8	17.0	BF	11.2	11.3	10.6	9.7	9.0	9.2	13.2	11.4	10.1	9.3	7.2	5.9	7.3	9.2	20.6	31.4	35.0	30.8	19.4	24.2	22.1	21.1	23	35.0
9	18.1	BF	11.6	12.4	12.7	11.3	15.2	16.7	18.7	15.5	12.3	9.0	7.6	4.6	2.1	2.5	2.6	3.2	5.5	5.1	2.9	2.6	2.1	2.0	23	18.7
10	1.8	BF	1.6	1.5	1.9	2.7	4.6	9.8	6.2	3.0	1.6	1.3	1.0	1.0	1.4	1.8	4.7	27.9	32.2	30.1	31.5	30.7	29.3	22.5	23	32.2
11	16.0	BF	5.9	7.8	7.6	8.6	12.8	16.4	10.5	7.6	4.2	3.0	1.8	1.6	1.6	1.9	4.9	15.1	8.9	4.7	3.3	3.1	4.1	6.4	23	16.4
12	4.0	BF	1.5	1.2	1.2	1.2	1.5	1.8	1.7	1.5	1.3	1.1	1.1	1.2	1.3	1.5	2.5	6.6	9.6	13.3	10.4	20.8	19.8	17.5	23	20.8
13	16.3	BF	13.5	12.0	12.0	10.3	8.9	7.4	5.9	4.9	2.8	2.7	2.8	2.5	3.0	5.6	15.9	23.0	20.0	29.4	29.0	27.7	23.4	20.9	23	29.4
14	19.1	BF	6.0	4.5	4.0	5.7	3.1	6.6	10.2	8.3	3.7	3.0	2.8	2.2	3.1	4.0	4.0	3.8	4.8	6.3	4.9	2.8	2.5	2.0	23	19.1
15	1.4	BF	1.5	1.1	2.8	4.2	11.8	11.9	10.1	11.9	8.2	4.6	3.7	5.4	5.8	5.1	12.3	29.2	39.0	35.9	34.1	28.9	27.1	21.8	23	39.0
16	21.9	BF	15.1	14.2	12.4	12.6	11.6	11.8	16.6	22.6	16.7	2.4	1.7	2.4	4.3	4.8	10.9	38.5	42.1	40.5	35.3	32.1	29.1	26.3	23	42.1
17	22.1	BF	6.2	3.9	3.3	3.9	11.3	23.3	20.5	7.8	5.5	BF	BF	BF	BF	1.9	4.9	33.4	38.3	34.2	29.8	27.8	25.7	21.5	19	38.3
18	17.5	BF	13.2	10.7	9.3	8.0	7.0	7.3	14.7	19.4	17.9	11.0	8.9	14.0	14.4	14.8	27.7	54.4	51.7	48.1	42.9	37.3	31.8	26.8	23	54.4
19	21.8	BF	17.8	17.4	15.9	16.9	11.2	17.7	16.1	15.2	7.8	4.0	2.5	2.5	3.3	2.0	1.7	1.3	1.3	2.4	1.1	1.3	1.6	2.2	23	21.8
20	1.2	BF	.7	.9	.9	1.7	3.7	4.2	2.8	1.5	1.0	.7	.9	1.0	.9	1.1	1.9	4.1	5.9	4.2	2.7	2.3	3.3	3.7	23	5.9
21	3.9	BF	8.0	10.0	10.1	11.3	6.1	15.5	6.2	4.0	2.7	1.5	1.6	1.5	2.2	3.2	4.8	16.2	24.9	17.1	8.5	4.3	3.0	2.9	23	24.9
22	3.0	BF	3.6	3.0	3.1	3.4	5.6	8.2	6.7	4.1	2.8	2.7	1.9	1.7	1.9	2.7	5.1	23.0	31.1	35.3	32.3	30.6	28.1	25.0	23	35.3
23	23.0	BF	19.6	18.1	16.7	16.1	13.9	13.0	14.4	12.5	13.0	14.5	13.0	7.9	6.0	7.9	24.0	31.2	30.3	32.0	34.7	29.6	20.0	21.2	23	34.7
24	16.3	BF	16.0	12.6	10.8	16.2	16.4	13.9	11.3	9.2	6.6	5.7	3.0	1.8	2.5	1.7	6.1	27.3	17.2	23.0	24.7	22.8	19.3	16.9	23	27.3
25	15.3	BF	9.7	7.3	7.2	6.4	6.9	11.2	14.6	16.1	6.3	4.2	3.5	3.1	2.4	3.8	8.5	19.3	14.0	16.1	17.4	17.3	18.6	17.3	23	19.3
26	12.5	BF	1.2	1.1	1.2	1.4	2.1	3.3	2.7	1.8	1.2	.9	.7	.8	.9	1.2	1.8	5.7	7.3	5.1	4.8	3.4	3.1	4.2	23	12.5
27	3.7	BF	3.4	3.1	3.7	4.1	5.2	11.4	7.2	2.4	1.1	1.1	.9	1.0	1.4	2.4	6.2	19.5	24.1	25.7	23.5	22.5	20.2	18.5	23	25.7
28	18.5	BF	14.3	14.1	13.5	13.0	13.7	14.3	13.9	17.4	16.7	11.1	5.5	4.7	5.4	6.1	11.9	20.7	20.0	18.9	8.5	4.0	3.2	1.7	23	20.7
29	1.1	BF	.6	.8	.9	1.0	2.4	5.2	4.3	2.7	2.2	2.6	3.1	4.1	5.8	7.2	8.0	12.1	12.0	8.3	6.0	9.7	7.9	6.2	23	12.1
30	3.9	BF	2.3	2.2	2.2	2.5	5.2	7.0	6.6	5.7	4.3	3.4	2.8	3.0	3.4	5.7	9.5	9.9	7.4	5.6	3.8	2.6	2.2	1.7	23	9.9
31																									0	
NO.:	30		30	30	30	30	30	30	30	30	29	28	28	28	29	30	30	30	30	30	30	30	30	30		
MAX:	23.0		19.6	18.1	16.7	18.4	20.3	23.3	20.5	22.6	17.9	14.5	13.0	14.0	14.4	14.8	27.7	54.4	51.7	48.1	42.9	37.3	31.8	26.8		
AVG:	11.47		7.52	7.21	6.67	7.31	8.35	10.47	9.77	8.21	5.84	4.05	3.27	3.12	3.49	4.04	8.10	18.09	20.33	20.27	17.82	16.71	14.88	13.02		

MONTHLY OBSERVATIONS: 682 MONTHLY MEAN: 10.07 MONTHLY MAX: 54.4

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: 37-183-0014 POC: 1
COUNTY: (183) Wake
CITY: (55000) Raleigh
SITE ADDRESS: 3801 SPRING FOREST RD.
SITE COMMENTS: PROGRESS ENERGY METER NO. ACDB68089G35
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (6639) RALEIGH, NC
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.856111
LONGITUDE: -78.574167
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 100
PROBE HEIGHT:

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

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	1.7	BF	1.1	1.1	1.7	2.1	4.3	6.2	3.1	2.2	BF	BF	BF	BF	3.0	2.5	5.5	12.8	34.4	31.5	21.3	16.2	6.2	3.0	19	34.4
2	2.0	BF	2.2	3.3	7.5	17.3	17.3	17.8	14.1	4.8	2.9	3.1	2.5	2.4	2.7	3.2	3.7	14.7	28.8	30.9	19.9	11.2	10.2	5.9	23	30.9
3	3.5	BF	2.7	2.6	2.4	2.5	5.5	6.2	6.4	2.2	1.2	1.2	1.1	1.2	1.4	1.6	3.1	8.1	11.2	12.2	13.9	6.3	5.6	6.2	23	13.9
4	6.0	BF	6.8	3.4	3.5	2.9	2.8	3.7	3.6	3.2	2.8	2.6	3.3	3.8	4.2	3.9	6.0	9.3	7.5	4.8	5.4	4.0	3.8	4.5	23	9.3
5	2.7	BF	3.2	2.3	3.1	3.0	3.9	7.5	9.8	7.8	5.1	3.2	2.1	1.4	1.3	2.2	3.7	5.5	5.9	5.5	3.8	4.2	3.4	2.3	23	9.8
6	2.8	BF	2.3	2.0	2.2	2.6	3.2	3.7	3.8	3.9	3.6	4.4	4.0	3.7	5.8	6.8	5.7	6.2	5.4	4.0	3.9	3.6	3.4	3.0	23	6.8
7	3.0	BF	2.2	3.0	6.0	7.1	12.8	13.7	12.6	10.5	3.8	2.3	3.2	3.0	3.8	5.3	14.2	27.9	23.3	27.8	24.9	23.8	19.3	17.4	23	27.9
8	16.6	BF	8.7	7.5	6.9	7.5	13.6	16.7	15.8	9.9	6.7	4.0	3.1	2.7	3.0	2.9	4.6	6.2	6.9	8.6	10.3	6.3	5.3	2.2	23	16.7
9	1.8	BF	1.7	1.9	1.9	3.0	12.1	8.5	6.5	3.0	1.7	1.5	1.4	1.5	1.7	2.7	3.8	7.6	15.0	15.3	18.4	12.6	8.2	5.7	23	18.4
10	3.8	BF	2.9	2.4	3.7	6.6	9.4	9.5	6.2	3.6	2.5	1.9	1.6	1.9	1.9	2.3	3.8	8.9	23.9	26.2	27.4	25.7	25.7	25.3	23	27.4
11	23.1	BF	20.5	16.7	15.9	17.3	15.8	17.1	14.6	7.0	3.7	2.2	2.4	1.9	2.4	3.1	4.7	7.4	8.0	7.9	8.9	9.3	11.6	13.3	23	23.1
12	15.8	BF	8.3	7.3	5.9	5.6	10.4	9.7	10.8	9.0	8.3	8.1	6.8	4.9	4.8	6.8	13.6	24.1	26.4	23.0	12.5	8.5	12.8	16.4	23	26.4
13	12.9	BF	9.4	9.6	9.2	7.0	12.3	16.6	16.4	15.6	9.5	9.9	8.4	6.9	5.6	7.1	8.1	10.6	10.0	13.3	11.7	15.7	15.8	15.8	23	16.6
14	16.8	BF	10.9	9.7	6.6	5.3	6.9	12.3	6.6	5.7	5.6	BF	BF	BF	BF	4.0	12.2	17.0	15.3	16.4	22.3	21.9	21.9	20.1	19	22.3
15	17.2	BF	19.6	17.0	18.3	15.6	16.0	10.0	4.8	2.3	1.9	1.7	2.0	1.6	1.9	2.3	4.0	4.8	4.8	4.2	3.5	2.6	2.5	1.9	23	19.6
16	1.7	BF	1.7	2.5	2.9	3.7	4.9	6.4	5.0	3.5	3.0	2.1	3.3	3.0	3.7	6.1	6.3	7.4	6.2	4.8	4.6	4.7	3.8	3.2	23	7.4
17	3.6	BF	4.1	4.2	4.6	5.4	8.5	8.5	9.5	7.3	6.3	7.3	7.6	6.3	6.6	7.7	10.2	16.1	16.4	12.4	19.1	18.7	18.4	16.8	23	19.1
18	13.2	BF	3.0	2.7	2.0	2.0	2.0	2.2	2.0	1.9	1.8	1.8	1.9	2.3	2.2	2.5	7.1	9.4	11.1	9.6	3.8	3.5	3.6	3.8	23	13.2
19	4.3	BF	3.8	3.3	2.7	2.5	3.0	4.0	4.8	4.1	2.8	3.0	3.1	3.5	3.4	4.4	4.6	4.8	3.9	4.3	4.5	4.6	4.2	4.2	23	4.8
20	3.7	BF	2.7	2.7	3.5	4.5	5.6	7.3	7.1	5.9	5.3	4.6	4.1	4.1	4.1	4.3	5.4	5.1	7.2	14.2	20.5	24.9	23.0	18.1	23	24.9
21	12.8	BF	13.9	12.9	11.4	14.5	17.9	20.6	16.4	16.2	12.7	7.3	4.3	3.4	5.6	6.9	15.1	36.6	33.9	29.0	23.0	24.2	22.2	19.0	23	36.6
22	16.8	BF	15.7	13.0	14.1	13.5	15.3	21.9	16.0	10.4	6.6	6.2	5.8	5.2	5.4	5.8	8.6	18.2	18.5	6.0	6.8	4.7	3.0	2.7	23	21.9
23	2.7	BF	2.8	4.2	3.9	6.8	10.5	19.5	18.5	8.9	3.4	2.3	2.2	2.0	2.5	3.8	7.3	20.8	24.7	19.1	15.6	15.5	14.7	10.9	23	24.7
24	9.0	BF	7.2	6.0	7.0	6.5	5.9	4.9	3.8	5.9	9.6	11.0	9.5	5.6	3.9	4.0	6.4	10.9	21.7	21.8	21.3	19.3	18.7	16.0	23	21.8
25	16.0	BF	9.2	6.6	4.9	2.4	2.6	2.3	2.0	1.6	1.4	1.0	.9	1.4	1.1	1.1	1.6	1.5	2.8	2.0	1.6	1.9	1.7	1.8	23	16.0
26	1.3	BF	1.0	.7	.8	.9	1.1	1.9	2.6	2.4	2.1	1.8	1.5	2.3	2.7	4.9	4.8	17.7	15.1	9.4	11.4	10.9	8.7	6.4	23	17.7
27	5.2	BF	3.7	3.0	3.0	3.9	3.2	5.2	5.3	5.1	4.2	3.9	4.4	4.7	4.2	4.4	5.3	6.7	6.2	6.5	6.3	5.1	5.9	4.5	23	6.7
28	2.8	BF	1.7	4.2	7.2	10.3	17.1	12.4	16.2	3.4	2.0	BF	BF	BF	BF	2.7	12.7	24.8	26.7	34.6	32.5	28.9	25.0	25.5	19	34.6
29	19.1	BF	5.1	4.7	5.5	5.7	5.8	8.0	14.1	18.6	10.1	4.7	4.6	3.7	3.7	2.6	1.6	2.1	2.2	1.9	2.1	2.7	4.9	4.8	23	19.1
30	5.9	BF	2.2	2.8	2.8	2.9	3.8	4.4	4.6	2.5	1.8	1.3	1.2	1.1	1.2	1.6	2.3	5.6	6.1	7.3	9.3	13.0	20.2	24.5	23	24.5
31	25.6	BF	24.0	21.8	22.9	22.4	20.1	18.1	18.0	10.2	4.6	3.7	3.0	4.0	5.0	7.0	6.6	6.2	5.7	5.8	5.4	5.4	4.7	3.9	23	25.6
NO.:	31		31	31	31	31	31	31	31	31	30	28	28	28	29	31	31	31	31	31	31	31	31	31		
MAX:	25.6		24.0	21.8	22.9	22.4	20.1	21.9	18.5	18.6	12.7	11.0	9.5	6.9	6.6	7.7	15.1	36.6	34.4	34.6	32.5	28.9	25.7	25.5		
AVG:	8.82		6.59	5.97	6.26	6.88	8.83	9.90	9.06	6.41	4.57	3.86	3.55	3.20	3.41	4.08	6.54	11.77	14.04	13.56	12.77	11.61	10.92	9.97		

MONTHLY OBSERVATIONS: 701 MONTHLY MEAN: 8.01 MONTHLY MAX: 36.6

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JANUARY 2016

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	2.3	BF	1.8	1.4	1.3	1.2	1.2	1.3	2.2	2.1	1.6	2.4	3.5	4.0	5.0	4.6	3.3	2.9	4.3	7.7	12.9	11.5	10.2	6.2	23	12.9
2	3.8	BF	1.2	1.9	1.4	2.0	3.6	9.8	8.5	5.3	5.8	4.3	5.4	4.3	7.4	9.7	12.8	10.6	9.9	13.3	16.9	16.2	13.8	14.3	23	16.9
3	13.7	BF	9.9	9.1	6.5	6.1	7.3	7.1	6.7	10.4	9.2	10.6	11.2	9.0	7.3	9.3	12.4	14.8	12.9	14.0	16.6	12.4	12.0	4.4	23	16.6
4	9.0	BF	2.9	2.2	2.8	3.4	7.0	8.5	12.0	12.8	7.2	6.7	5.4	8.3	4.7	3.5	7.4	3.0	3.5	3.6	4.9	3.9	5.0	5.6	23	12.8
5	5.0	BF	1.7	1.5	1.7	2.3	3.1	4.5	3.4	2.0	2.4	2.3	3.0	2.8	2.1	2.3	3.4	3.1	6.9	8.4	8.8	9.6	11.7	10.3	23	11.7
6	7.4	BF	8.5	9.2	10.0	12.2	13.1	11.3	10.1	8.2	6.9	6.6	7.5	7.6	8.3	7.9	9.6	9.4	9.5	6.7	5.3	5.6	4.7	4.2	23	13.1
7	4.8	BF	2.3	2.4	2.5	2.4	4.6	5.4	6.4	5.4	5.7	4.1	4.9	5.3	5.5	4.6	6.4	6.1	4.1	3.1	3.4	4.6	6.4	5.4	23	6.4
8	2.6	BF	2.0	1.9	2.3	5.8	4.7	5.6	6.8	7.1	6.0	6.6	5.8	9.0	6.7	5.7	5.4	5.6	5.3	5.0	4.6	5.2	4.8	4.8	23	9.0
9	5.0	BF	4.2	3.7	3.5	3.7	4.0	4.5	4.5	3.4	3.7	3.2	3.9	2.7	3.5	2.4	2.3	4.2	6.0	4.3	5.2	5.2	4.0	5.4	23	6.0
10	7.7	BF	3.5	2.0	2.9	2.2	1.9	3.0	3.9	3.8	3.4	3.4	3.4	3.7	4.1	6.0	6.1	8.4	8.0	7.0	4.8	4.8	4.0	4.8	23	8.4
11	6.3	BF	8.8	15.0	15.8	17.2	20.7	24.6	20.2	14.1	9.8	9.8	11.7	11.7	13.5	14.7	18.0	20.8	18.4	27.0	27.4	25.8	22.4	24.3	23	27.4
12	23.7	BF	20.7	21.9	21.5	19.7	22.3	28.7	21.8	19.6	14.9	11.3	10.3	9.3	12.8	10.2	15.2	16.5	22.0	12.2	9.2	11.5	18.8	13.8	23	28.7
13	12.5	BF	9.8	3.7	3.7	6.3	8.7	10.2	9.5	9.2	9.1	6.0	12.0	10.6	13.0	17.5	21.1	8.6	15.0	32.6	30.7	27.1	28.6	30.3	23	32.6
14	25.7	BF	26.4	27.3	23.5	21.6	19.0	28.6	32.5	28.5	AX	AX	AX	BA	15.7	18.4	23.6	11.3	33.5	33.7	31.8	33.2	20.6	15.3	19	33.7
15	12.9	BF	19.6	26.3	15.3	6.1	17.0	22.7	26.5	21.7	25.2	24.5	23.9	31.3	21.9	13.7	9.9	10.4	12.0	6.0	6.9	3.7	10.6	10.1	23	31.3
16	9.5	BF	4.8	5.8	4.2	5.4	9.0	10.9	11.1	9.6	8.8	6.4	5.7	6.7	7.2	10.5	10.9	10.8	12.6	9.2	4.6	2.4	2.2	1.8	23	12.6
17	1.4	BF	1.0	1.1	1.3	1.4	2.5	2.4	2.6	3.2	2.9	2.9	1.9	2.0	2.0	3.1	3.5	2.9	7.6	14.4	12.3	13.3	10.3	13.5	23	14.4
18	10.0	BF	17.7	17.0	17.5	21.8	18.6	24.0	10.0	4.2	3.5	7.0	7.8	3.5	5.0	4.3	7.8	18.1	13.5	5.7	4.3	5.1	4.2	2.6	23	24.0
19	3.5	BF	3.1	8.4	8.8	8.3	7.9	6.2	7.0	5.2	6.3	8.0	7.0	7.3	10.0	6.0	14.3	8.7	6.9	6.8	7.2	19.2	14.2	20.8	23	20.8
20	23.2	BF	21.7	22.2	20.4	11.6	11.4	18.7	18.3	24.0	20.7	18.1	19.4	15.0	16.1	15.5	20.9	21.1	15.9	15.3	12.5	12.6	12.8	11.6	23	24.0
21	9.1	BF	15.2	15.4	16.7	22.8	22.3	18.2	12.4	6.5	3.3	4.1	3.8	4.4	3.5	3.1	4.5	4.0	13.2	17.2	16.7	14.6	10.5	9.3	23	22.8
22	8.6	BF	5.2	4.4	2.8	3.7	4.1	5.6	5.3	8.9	5.3	4.0	4.3	3.6	4.1	5.1	5.5	4.9	3.1	2.1	2.4	2.3	2.1	2.6	23	8.9
23	3.5	BF	6.1	6.3	5.1	5.1	4.0	4.2	4.0	3.3	3.5	4.0	4.7	5.3	3.9	4.3	3.6	2.9	3.4	4.3	3.2	3.3	2.8	2.9	23	6.3
24	3.2	BF	2.2	2.6	2.7	4.3	3.5	9.1	6.9	3.1	5.3	4.3	5.3	3.6	8.4	6.8	8.8	3.9	6.3	28.3	32.3	32.6	30.3	24.6	23	32.6
25	26.7	BF	26.9	25.7	25.5	26.5	25.6	31.6	27.4	32.4	22.2	18.2	18.0	17.3	15.6	18.8	26.4	16.3	21.2	33.3	30.1	25.4	29.2	32.6	23	33.3
26	22.7	BF	8.6	13.5	20.3	18.4	26.0	20.9	23.7	20.6	15.8	14.4	14.6	13.1	19.1	26.1	15.8	17.4	31.4	31.8	28.4	21.9	16.3	16.4	23	31.8
27	21.3	BF	8.0	11.1	10.3	12.8	15.5	14.9	12.3	10.6	7.0	9.9	4.7	2.6	3.9	4.2	4.6	7.1	8.7	14.4	15.1	10.1	8.6	7.6	23	21.3
28	6.1	BF	4.0	5.4	6.3	7.3	10.4	11.8	12.1	10.3	AX	AX	AX	BA	18.9	24.2	23.0	25.0	21.7	19.8	23.8	21.8	21.6	18.6	19	25.0
29	13.7	BF	10.6	15.8	15.7	19.2	19.1	15.6	17.8	20.4	12.8	10.8	9.9	10.3	11.2	11.4	12.9	7.8	4.5	5.1	8.9	12.2	8.3	8.7	23	20.4
30	14.0	BF	22.8	13.3	19.4	27.3	25.3	23.6	22.9	18.6	12.0	10.0	8.4	10.0	10.1	10.3	11.0	20.4	15.4	23.4	17.4	21.4	20.0	21.2	23	27.3
31	13.2	BF	12.3	15.2	15.4	14.2	9.0	8.3	12.9	10.6	5.4	5.4	6.4	6.8	7.1	7.1	6.7	15.0	13.8	12.8	9.1	7.8	6.4	7.8	23	15.4
NO.:	31		31	31	31	31	31	31	31	31	29	29	29	29	31	31	31	31	31	31	31	31	31	31		
MAX:	26.7		26.9	27.3	25.5	27.3	26.0	31.6	32.5	32.4	25.2	24.5	23.9	31.3	21.9	26.1	26.4	25.0	33.5	33.7	32.3	33.2	30.3	32.6		
AVG:	10.71		9.47	10.09	9.91	10.40	11.37	12.96	12.31	11.13	8.47	7.91	8.06	7.97	8.95	9.40	10.87	10.39	11.95	13.82	13.47	13.11	12.17	11.67		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 10.75 MONTHLY MAX: 33.7

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: FEBRUARY 2016

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	6.0	BF	10.9	16.6	19.8	19.8	21.7	22.8	21.4	14.5	BA	BA	12.3	11.8	11.3	13.9	15.3	25.1	24.1	23.2	14.7	8.1	9.0	5.0	21	25.1
2	7.0	BF	1.6	1.8	1.7	2.7	2.9	5.0	5.3	6.9	7.9	6.2	9.1	7.2	7.0	5.3	6.5	8.7	8.0	8.5	8.1	9.0	7.6	8.4	23	9.1
3	8.1	BF	5.8	9.3	10.4	11.3	20.2	19.2	19.8	13.4	9.9	9.0	11.1	14.1	9.9	10.1	15.8	16.2	14.4	11.6	12.3	12.5	10.4	8.5	23	20.2
4	6.8	BF	6.3	6.8	14.1	19.9	24.0	21.6	20.0	23.2	4.3	6.4	8.1	9.5	8.0	11.6	12.3	9.4	8.5	3.7	3.2	2.1	2.4	2.5	23	24.0
5	2.7	BF	2.1	1.8	2.2	1.9	5.3	9.1	8.0	4.4	5.0	3.9	3.7	2.7	2.9	4.1	3.9	3.8	3.6	5.0	8.2	19.5	26.5	24.1	23	26.5
6	23.3	BF	21.1	19.1	16.7	15.7	17.0	16.7	12.3	10.4	11.7	7.5	6.0	3.1	4.4	3.4	2.2	2.2	5.6	8.0	8.8	7.8	6.4	9.6	23	23.3
7	7.1	BF	3.3	4.0	1.9	1.4	1.8	2.3	1.5	1.7	1.4	1.9	2.4	1.6	1.4	1.7	1.4	1.7	2.6	3.4	3.1	3.3	3.1	3.3	23	7.1
8	3.7	BF	15.3	17.9	23.3	29.0	26.3	28.1	31.7	27.8	21.8	17.5	17.1	14.4	15.6	16.8	19.7	18.5	14.3	19.2	19.1	17.1	13.6	14.4	23	31.7
9	18.9	BF	12.6	11.3	18.3	15.7	21.0	23.2	22.3	20.2	13.4	12.0	10.2	12.4	14.2	11.3	13.0	13.9	13.2	11.2	6.2	8.1	7.2	6.9	23	23.2
10	7.9	BF	8.1	10.0	10.6	11.9	16.4	18.2	18.5	11.4	10.7	9.2	13.8	11.7	9.6	13.1	9.7	10.3	13.4	12.9	17.1	10.6	11.2	5.3	23	18.5
11	6.9	BF	7.6	10.9	13.6	22.9	30.2	26.2	21.2	12.6	12.6	AX	AX	AX	BA	13.9	15.3	14.9	8.9	11.0	16.6	13.4	6.5	4.8	19	30.2
12	4.1	BF	4.3	4.0	3.9	5.2	10.0	8.7	9.5	9.6	8.3	8.2	9.9	7.6	12.0	12.7	18.0	25.5	23.8	22.7	18.7	19.1	18.7	14.7	23	25.5
13	12.6	BF	10.7	4.6	4.9	5.7	2.6	2.6	3.7	4.1	5.2	5.0	4.9	4.2	4.8	4.3	4.8	2.7	2.8	3.7	2.8	2.7	1.9	2.1	23	12.6
14	1.6	BF	2.1	2.1	3.0	2.3	3.2	3.4	1.4	1.8	2.1	3.0	3.2	5.7	7.2	8.9	12.8	10.5	6.5	6.3	5.4	7.3	6.6	8.2	23	12.8
15	5.8	BF	1.5	1.1	1.7	1.2	1.9	2.1	3.3	4.3	3.2	2.7	5.5	7.0	9.3	8.1	7.9	11.1	12.9	11.2	9.3	11.6	11.1	13.8	23	13.8
16	12.4	BF	3.2	2.3	2.7	4.1	14.5	26.7	25.2	14.9	9.5	10.3	8.6	10.4	11.8	14.4	14.7	21.1	20.5	17.1	13.1	12.7	10.0	5.3	23	26.7
17	3.0	BF	12.9	10.9	11.6	14.8	20.5	18.0	20.6	17.4	10.5	9.0	6.8	6.3	5.4	3.4	2.5	3.0	6.0	8.5	8.6	5.1	4.9	6.9	23	20.6
18	8.2	BF	6.2	4.8	5.7	5.8	5.8	9.5	12.6	8.7	3.9	7.3	5.9	9.2	4.8	4.8	4.4	3.0	3.6	8.4	14.3	15.0	16.7	14.8	23	16.7
19	7.0	BF	4.4	3.9	3.4	6.3	18.6	17.3	16.3	18.2	21.6	16.9	16.2	14.7	14.4	13.2	15.3	19.3	23.9	26.4	25.1	16.3	13.1	11.3	23	26.4
20	7.3	BF	5.5	5.2	10.6	9.0	13.4	16.0	13.8	10.5	9.9	10.5	10.7	12.8	9.8	10.7	9.8	9.6	11.1	5.9	6.8	5.5	8.8	14.2	23	16.0
21	11.0	BF	12.4	10.9	12.5	7.7	8.8	7.4	6.8	6.0	4.7	5.1	5.0	6.1	5.5	7.4	14.9	16.0	10.6	7.1	6.4	5.3	5.9	7.9	23	16.0
22	6.7	BF	13.2	9.8	8.6	5.7	3.4	7.4	8.0	5.3	6.6	AX	AX	AX	BA	AN	AN	AN	AN	AN	AN	AN	AN	AN	10	13.2
23	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
24	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
25	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	BA	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
26	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AX	BC	BC	BA	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	0	
27	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	0	
28	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	0	
29	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	AX	BC	BC	BC	BC	BC	BC	BC	BC	AN	AN	AN	0	
30																									0	
31																									0	
NO.:	22		22	22	22	22	22	22	22	22	21	19	20	20	20	21	21	21	21	21	21	21	21	21		
MAX:	23.3		21.1	19.1	23.3	29.0	30.2	28.1	31.7	27.8	21.8	17.5	17.1	14.7	15.6	16.8	19.7	25.5	24.1	26.4	25.1	19.5	26.5	24.1		
AVG:	8.10		7.78	7.69	9.15	10.00	13.16	14.16	13.78	11.24	8.77	7.98	8.53	8.63	8.47	9.20	10.49	11.74	11.35	11.19	10.85	10.10	9.60	9.14		

MONTHLY OBSERVATIONS: 487 MONTHLY MEAN: 10.07 MONTHLY MAX: 31.7

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MARCH 2016

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	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BJ	BA	BC	BC	BC	BC	BC	12.1	15.4	14.7	18.3	18.6	11.9	11.0	10.0	6.9	5.6	10	18.6
2	4.2	BF	3.6	4.3	14.6	17.8	17.3	19.4	5.6	7.2	5.6	5.3	6.8	4.0	3.8	4.6	6.0	4.1	5.1	3.9	3.8	3.4	4.5	3.3	23	19.4
3	3.4	BF	3.5	2.2	3.3	4.9	8.7	11.9	6.8	6.4	11.3	13.0	13.4	12.1	15.0	20.4	9.9	6.8	6.3	8.6	3.6	5.4	3.5	1.4	23	20.4
4	1.2	BF	.7	1.4	2.5	3.2	2.8	5.8	9.0	9.0	4.1	3.6	3.0	3.0	5.9	4.9	2.4	3.1	7.1	8.4	10.2	17.9	20.8	10.1	23	20.8
5	8.2	BF	5.7	5.3	5.8	8.8	14.1	18.5	14.7	12.5	10.2	8.3	8.2	8.7	10.1	8.2	9.8	11.4	16.6	5.7	5.2	13.7	9.0	7.1	23	18.5
6	6.8	BF	6.8	5.7	5.4	3.9	6.1	4.0	2.9	1.2	.4	1.6	1.0	3.1	3.4	.6	.7	1.0	.7	5.0	7.3	17.4	10.7	15.1	23	17.4
7	13.4	BF	4.6	7.7	16.1	16.4	18.8	27.1	21.9	13.7	11.3	14.8	12.4	14.6	13.4	16.8	16.9	15.4	25.2	28.8	23.0	16.6	12.2	11.9	23	28.8
8	9.3	BF	7.9	10.6	11.9	13.9	20.0	26.7	19.7	16.9	16.0	15.7	14.7	15.0	16.5	19.4	20.0	22.5	39.8	38.2	24.4	24.0	28.5	20.2	23	39.8
9	13.7	BF	9.0	13.1	9.2	17.6	20.2	19.3	13.3	15.0	10.0	9.7	11.8	11.3	12.8	13.8	15.5	17.7	22.6	26.1	20.9	12.0	10.4	8.5	23	26.1
10	5.4	BF	5.8	5.8	11.8	22.7	28.7	24.1	17.0	11.4	10.2	10.4	7.9	12.5	11.4	11.9	14.6	12.9	16.7	19.1	14.3	10.3	5.8	3.1	23	28.7
11	2.1	BF	4.1	3.6	7.1	9.3	13.0	16.0	17.2	11.9	14.3	15.2	16.1	14.8	12.2	10.1	4.5	2.6	5.7	6.2	4.2	3.7	4.4	4.7	23	17.2
12	4.5	BF	3.6	2.1	1.8	1.9	8.1	7.6	7.0	9.6	11.9	11.2	8.8	9.4	10.0	9.6	11.7	11.8	2.8	3.2	4.3	5.6	11.7	10.3	23	11.9
13	8.9	BF	4.7	5.6	6.6	8.7	10.0	9.2	6.7	5.1	7.1	7.1	8.2	8.6	10.0	8.7	7.6	3.8	4.3	2.9	4.1	5.9	15.5	13.6	23	15.5
14	6.0	BF	2.2	5.0	3.0	7.2	13.8	19.9	17.1	14.5	15.4	11.6	13.3	11.9	14.3	14.8	14.8	13.8	4.5	5.2	5.0	4.9	10.9	7.9	23	19.9
15	2.8	BF	2.2	5.0	8.0	13.6	10.3	14.7	11.1	8.6	AX	AX	AX	BA	9.8	13.2	13.2	18.0	5.1	16.2	20.0	22.5	21.9	10.3	19	22.5
16	4.7	BF	2.8	2.9	3.3	5.4	18.3	27.3	19.5	16.9	17.3	15.8	15.9	15.5	15.3	16.9	17.9	23.8	25.4	13.3	28.4	31.8	29.0	23.6	23	31.8
17	10.3	BF	14.7	17.1	11.9	13.5	15.3	17.2	12.1	7.1	4.8	15.2	16.9	16.1	14.7	15.8	15.7	18.6	26.7	17.3	20.5	17.6	22.6	16.2	23	26.7
18	17.2	BF	5.0	3.8	2.6	2.4	11.9	14.6	18.0	10.9	10.1	8.5	11.8	10.7	12.0	15.3	16.4	22.0	12.3	28.0	18.9	17.8	24.6	18.0	23	28.0
19	9.8	BF	2.3	2.2	2.7	6.2	13.9	16.3	12.8	8.9	3.1	2.7	3.2	3.6	4.7	2.1	1.6	1.8	2.1	1.6	1.1	1.4	.9	1.3	23	16.3
20	1.1	BF	.9	.9	.7	.9	1.0	1.2	1.5	1.5	1.8	2.3	2.2	2.2	1.7	1.6	2.7	2.1	2.0	2.3	2.6	2.9	3.7	2.5	23	3.7
21	3.4	BF	5.2	8.6	15.6	22.0	25.0	20.0	9.6	5.5	4.7	7.7	6.8	10.2	11.7	13.0	13.0	14.4	21.1	23.3	11.7	6.8	17.7	26.1	23	26.1
22	24.8	BF	19.8	17.9	19.4	16.4	19.0	21.1	29.1	15.6	13.7	13.7	14.0	12.2	13.5	11.2	15.9	15.7	22.0	27.3	17.4	13.8	10.2	7.2	23	29.1
23	6.4	BF	6.6	8.1	11.5	20.5	20.9	19.9	16.2	12.2	12.5	12.4	11.6	10.1	11.9	11.3	13.8	14.4	19.4	15.0	12.8	12.1	11.5	7.7	23	20.9
24	4.1	BF	7.2	9.7	13.2	26.3	26.3	18.1	14.6	16.4	15.6	12.5	12.4	11.3	12.8	13.2	11.3	14.8	12.3	6.2	5.6	4.3	4.3	3.5	23	26.3
25	3.8	BF	3.7	6.2	10.2	14.0	18.0	14.0	9.9	8.8	8.5	8.5	13.2	12.5	10.7	10.2	11.6	12.9	15.0	16.1	14.0	13.7	8.0	4.0	23	18.0
26	1.2	BF	1.1	1.1	3.5	4.8	5.0	3.9	2.7	3.5	3.0	3.5	5.4	3.4	4.1	2.9	6.9	5.8	3.7	3.7	5.6	3.6	3.3	2.9	23	6.9
27	3.3	BF	4.0	4.1	1.8	4.5	4.8	3.8	2.2	2.9	1.7	1.9	1.8	3.7	3.3	3.0	3.6	7.7	7.5	4.6	5.8	4.6	5.2	4.7	23	7.7
28	4.4	BF	4.9	3.7	12.3	16.3	12.3	11.2	11.6	9.3	10.6	8.8	9.5	10.7	10.7	10.2	10.5	12.5	10.8	4.8	3.8	4.6	2.5	1.2	23	16.3
29	1.2	BF	5.4	5.4	9.6	8.4	15.7	15.6	5.7	1.7	AX	AX	AX	BA	9.7	7.7	7.3	2.4	2.0	2.8	3.3	8.0	19.6	24.3	19	24.3
30	24.1	BF	7.1	7.7	2.8	4.1	10.8	14.6	18.5	16.2	14.0	13.4	9.7	12.9	12.4	15.5	15.4	17.1	18.9	13.6	7.3	8.4	8.2	8.2	23	24.1
31	11.7	BF	18.5	14.9	11.8	24.6	25.9	20.8	16.2	13.5	11.9	12.1	12.2	11.7	12.9	13.0	15.6	15.9	13.8	13.6	7.0	5.6	4.6	4.0	23	25.9
NO.:	30		30	30	30	30	30	30	30	30	28	28	28	28	31	31	31	31	31	31	31	31	31	31		
MAX:	24.8		19.8	17.9	19.4	26.3	28.7	27.3	29.1	16.9	17.3	15.8	16.9	16.1	16.5	20.4	20.0	23.8	39.8	38.2	28.4	31.8	29.0	26.1		
AVG:	7.38		5.79	6.39	8.00	11.34	14.53	15.46	12.34	9.80	9.33	9.52	9.72	9.85	10.41	10.82	11.02	11.78	12.78	12.35	10.55	10.65	11.37	9.31		

MONTHLY OBSERVATIONS: 692 MONTHLY MEAN: 10.47 MONTHLY MAX: 39.8

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: APRIL 2016

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	2.7	BF	5.7	6.1	8.1	9.6	13.2	13.4	9.9	11.2	10.1	9.3	9.1	8.4	11.2	10.8	8.6	8.5	7.2	5.7	7.9	8.6	9.2	4.4	23	13.4
2	4.4	BF	2.3	2.9	4.7	8.3	9.0	12.3	12.2	12.6	9.2	7.7	6.7	7.3	7.7	8.6	6.4	5.9	8.1	6.1	7.3	5.2	4.8	4.5	23	12.6
3	3.0	BF	.5	.9	1.7	2.5	3.9	3.5	3.2	3.6	3.2	4.9	4.2	6.0	6.5	7.5	10.3	11.8	13.8	6.5	12.6	12.1	12.8	12.2	23	13.8
4	12.0	BF	15.2	14.6	18.6	24.3	22.6	17.0	15.4	11.9	13.0	11.3	10.3	11.3	10.7	11.8	12.7	12.6	14.2	16.7	26.9	22.2	11.3	16.0	23	26.9
5	11.4	BF	1.0	1.1	1.4	2.9	3.4	4.8	2.4	3.1	2.8	4.0	4.7	3.7	2.1	1.0	2.0	2.2	2.1	2.3	3.9	7.2	5.1	3.5	23	11.4
6	2.0	BF	2.3	2.5	7.0	21.3	25.5	26.0	19.5	16.1	17.4	14.4	10.6	16.7	15.6	14.7	14.5	15.9	21.8	21.3	20.0	11.6	4.4	4.0	23	26.0
7	3.6	BF	4.0	4.1	5.6	9.4	11.2	11.4	12.7	11.0	9.6	9.7	9.7	10.9	9.0	7.5	8.3	10.6	14.8	14.7	14.8	9.6	10.4	9.9	23	14.8
8	8.6	BF	11.2	19.9	25.5	19.8	21.7	18.7	14.3	15.8	8.1	11.2	10.9	9.9	11.2	14.4	16.8	14.6	16.1	20.0	6.6	22.9	28.9	19.6	23	28.9
9	5.6	BF	4.9	4.4	5.4	10.4	16.5	9.4	6.3	5.6	5.2	4.7	5.8	3.6	4.4	4.9	5.5	5.7	6.2	3.8	2.5	1.7	1.6	1.5	23	16.5
10	1.6	BF	1.6	1.6	1.7	2.3	3.8	5.9	2.0	4.4	5.2	4.0	4.9	6.4	8.3	6.2	9.2	9.9	15.8	12.5	12.1	12.1	9.4	6.0	23	15.8
11	5.4	BF	10.1	14.2	22.0	28.2	24.7	23.8	19.2	15.5	10.7	12.0	12.0	11.4	11.8	11.3	13.8	13.1	16.4	16.7	8.0	6.7	4.4	5.0	23	28.2
12	2.9	BF	8.8	13.1	16.5	17.2	16.6	15.1	16.3	18.1	BF	BF	BF	BF	BA	26.3	17.8	17.3	12.3	4.2	4.3	4.7	1.8	1.8	18	26.3
13	1.6	BF	1.8	3.7	3.9	3.4	5.1	3.8	3.9	3.1	2.8	5.4	4.1	4.7	4.3	2.5	3.9	2.0	1.4	3.1	3.6	3.9	6.9	2.9	23	6.9
14	2.5	BF	1.2	1.2	2.4	3.3	6.5	8.9	5.3	BA	BA	BA	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	8	8.9
15	AN	AN	AN	AN	AN	AN	BC	BC	BC	BC	BC	BC	BC	BC	6.5	5.7	4.2	5.9	7.2	5.8	6.8	8.2	8.3	7.8	10	8.3
16	1.9	BF	1.7	1.6	3.0	3.7	4.4	6.0	4.0	2.9	3.8	3.5	3.9	3.7	4.0	3.4	2.8	1.1	.8	1.2	4.4	18.0	11.9	4.8	23	18.0
17	2.6	BF	1.0	1.7	2.1	3.9	6.1	5.1	2.0	1.1	2.3	2.0	1.3	1.1	2.3	1.2	1.5	.9	.6	1.8	9.4	19.5	25.9	24.9	23	25.9
18	24.8	BF	19.6	16.2	14.4	12.1	12.6	11.2	25.2	BF	BF	BF	BA	15.0	15.3	15.3	20.9	17.6	7.3	11.1	29.6	18.7	11.0	13.2	19	29.6
19	8.6	BF	16.6	13.0	28.4	22.8	28.0	26.9	24.3	20.7	22.2	13.3	10.9	9.6	15.8	15.1	26.3	28.6	12.9	11.1	38.6	32.5	24.1	23.5	23	38.6
20	11.5	BF	3.6	4.3	5.0	8.8	11.8	6.0	6.0	3.5	4.1	3.5	7.9	9.3	7.0	5.1	8.9	7.5	4.4	3.0	5.9	8.9	7.1	3.5	23	11.8
21	2.3	BF	3.0	7.1	7.3	10.3	22.8	23.5	21.1	13.4	11.9	10.4	13.9	13.6	15.5	13.5	14.0	13.8	12.0	10.4	9.2	7.5	7.4	6.6	23	23.5
22	5.1	BF	6.4	6.7	12.6	19.8	18.7	14.9	11.3	17.1	16.2	19.7	17.8	20.4	16.7	18.4	19.5	18.3	22.2	21.6	19.0	17.2	16.7	8.7	23	22.2
23	4.1	BF	5.6	8.4	7.4	15.2	10.3	8.2	3.4	4.4	2.7	2.5	3.5	1.6	2.8	5.1	2.8	2.6	1.0	1.0	1.6	1.4	1.5	2.0	23	15.2
24	1.3	BF	.8	.7	.9	1.1	1.0	2.0	2.5	2.5	1.9	2.4	2.6	4.5	2.5	6.0	4.5	5.5	2.9	3.3	4.4	7.3	7.2	7.2	23	7.3
25	4.0	BF	4.6	8.3	16.5	22.7	21.9	13.8	13.9	12.5	9.9	12.8	BF	BF	BF	BA	15.2	13.9	15.7	21.0	12.4	10.9	8.6	6.6	19	22.7
26	5.4	BF	7.2	8.5	11.1	20.9	19.9	17.6	11.8	11.3	10.5	11.7	12.0	7.9	13.5	12.3	12.5	13.8	19.1	24.2	15.8	11.9	9.4	6.9	23	24.2
27	6.3	BF	8.3	9.6	13.6	19.4	17.8	16.6	12.4	14.5	12.4	14.1	16.8	10.7	14.5	14.6	15.2	17.3	14.8	5.2	4.5	3.2	7.0	5.0	23	19.4
28	4.2	BF	1.7	6.0	7.8	5.2	13.9	21.6	19.2	15.9	12.9	12.8	9.8	14.5	16.1	17.3	8.5	6.1	18.5	12.5	5.1	3.7	10.5	3.5	23	21.6
29	1.3	BF	1.6	2.4	2.7	7.2	7.3	7.0	7.8	7.1	9.4	6.6	4.7	2.7	3.9	7.8	7.1	5.8	5.6	3.5	3.2	3.5	5.0	3.3	23	9.4
30	2.5	BF	1.8	2.9	3.0	6.6	6.4	5.5	10.2	8.6	8.9	5.3	4.5	5.3	3.0	4.7	3.6	3.6	4.6	5.3	6.0	6.3	6.7	4.1	23	10.2
31																									0	
NO.:	29		29	29	29	29	29	29	29	27	26	26	25	26	27	28	29	29	29	29	29	29	29	29		
MAX:	24.8		19.6	19.9	28.4	28.2	28.0	26.9	25.2	20.7	22.2	19.7	17.8	20.4	16.7	26.3	26.3	28.6	22.2	24.2	38.6	32.5	28.9	24.9		
AVG:	5.28		5.31	6.47	8.98	11.81	13.33	12.41	10.96	9.91	8.71	8.43	8.10	8.47	8.97	9.75	10.25	10.08	10.34	9.50	10.57	10.59	9.63	7.69		

MONTHLY OBSERVATIONS: 649 MONTHLY MEAN: 9.39 MONTHLY MAX: 38.6

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: MAY 2016

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	3.4	BF	4.2	3.8	3.6	5.2	6.8	9.2	6.8	5.6	6.9	7.2	8.4	6.1	5.5	7.9	6.5	9.2	8.6	8.8	12.0	12.9	14.8	9.0	23	14.8
2	5.5	BF	5.4	10.9	11.8	12.1	12.4	13.7	11.5	10.1	9.8	9.9	10.6	10.9	11.2	10.5	7.3	11.2	13.8	9.2	11.3	7.8	5.1	4.7	23	13.8
3	3.6	BF	7.5	12.7	17.4	24.9	25.2	21.4	23.6	16.4	15.0	11.1	14.1	9.9	9.3	15.4	16.1	18.1	14.9	7.2	11.5	15.8	14.2	8.3	23	25.2
4	7.0	BF	6.8	3.7	3.6	5.0	13.6	10.8	7.8	5.5	9.2	6.5	5.3	10.3	11.0	15.4	11.5	18.2	11.5	4.9	9.6	20.4	20.0	20.6	23	20.6
5	19.6	BF	12.1	11.1	6.4	8.5	7.4	12.9	8.5	9.2	7.6	12.0	13.5	16.2	11.1	3.3	4.2	5.4	10.8	9.0	10.7	11.0	10.4	7.8	23	19.6
6	8.0	BF	9.3	13.7	14.8	14.9	14.2	13.3	5.8	4.7	5.8	4.7	3.7	3.1	4.6	7.9	8.8	9.9	13.9	8.5	16.2	15.3	12.0	12.8	23	16.2
7	8.8	BF	7.1	6.1	7.7	7.8	11.0	13.3	10.5	9.7	9.4	5.7	6.6	8.9	8.6	9.0	8.6	11.6	14.1	7.3	14.8	12.0	9.5	7.4	23	14.8
8	5.6	BF	8.6	5.5	9.0	12.2	7.8	6.7	6.9	6.3	5.3	5.1	4.4	5.2	8.0	9.8	6.6	4.7	6.5	2.4	2.3	2.8	2.1	4.9	23	12.2
9	1.7	BF	2.0	2.0	2.6	4.1	5.7	18.1	20.2	BF	BA	BF	BA	21.8	20.9	19.9	18.2	10.0	8.4	11.3	16.1	13.2	17.4	14.4	19	21.8
10	14.6	BF	10.1	13.4	6.4	11.8	8.8	11.2	13.3	17.4	15.1	16.2	15.5	15.5	17.8	13.0	13.1	18.2	16.8	14.2	10.1	14.0	15.5	13.8	23	18.2
11	10.7	BF	4.9	4.5	10.9	13.8	13.9	13.2	12.6	13.1	15.4	16.1	12.2	14.2	13.0	14.2	13.2	17.2	16.0	16.0	5.2	3.9	10.1	17.4	23	17.4
12	12.7	BF	4.1	2.6	2.5	4.1	5.2	3.6	6.2	8.4	7.8	8.0	8.4	8.8	7.4	8.0	7.3	6.5	9.3	5.4	10.9	15.1	12.6	15.9	23	15.9
13	9.1	BF	10.4	11.2	15.5	16.9	17.9	15.8	17.3	13.8	13.4	13.1	14.0	7.6	6.4	8.9	12.8	12.6	4.2	6.5	11.1	17.5	18.4	14.4	23	18.4
14	12.0	BF	10.8	8.2	7.8	6.7	4.9	10.5	13.5	9.4	8.6	8.9	5.5	5.5	6.5	5.6	8.3	11.3	4.3	3.7	4.4	1.5	1.7	1.5	23	13.5
15	1.6	BF	2.0	1.8	1.0	2.6	2.5	2.9	2.7	3.6	3.9	4.2	4.0	4.9	6.2	6.1	9.1	8.5	11.9	6.9	11.0	11.8	12.8	15.1	23	15.1
16	13.2	BF	14.2	10.9	10.2	8.5	9.1	15.7	13.0	12.3	13.1	11.0	10.8	11.4	14.0	13.0	12.6	18.0	11.2	5.0	7.9	5.7	5.8	7.3	23	18.0
17	5.3	BF	3.4	4.4	6.3	11.8	24.1	22.7	19.4	20.2	17.8	19.0	18.5	16.4	8.3	6.5	3.7	7.4	9.7	7.1	9.5	9.2	4.1	3.4	23	24.1
18	3.7	BF	5.2	4.5	2.3	4.8	3.8	3.0	3.3	3.7	5.4	5.4	4.0	3.7	2.6	3.4	4.2	4.8	3.0	2.1	1.9	2.1	3.4	2.8	23	5.4
19	2.6	BF	4.8	3.5	3.3	4.2	6.0	5.3	7.8	7.4	7.9	4.7	4.5	3.7	3.4	3.7	3.5	4.3	2.7	2.2	3.9	6.5	3.5	2.3	23	7.9
20	3.0	BF	2.2	3.2	2.8	6.1	6.0	8.0	8.9	6.3	7.9	5.7	11.5	9.2	12.1	9.6	7.3	6.0	6.4	5.1	9.4	10.5	9.3	8.1	23	12.1
21	6.2	BF	4.8	7.2	6.8	11.6	7.2	5.5	6.0	7.1	5.2	4.8	4.1	4.0	3.1	1.1	1.0	.6	2.6	5.1	3.6	3.5	1.8	1.5	23	11.6
22	4.6	BF	.8	.6	1.3	1.3	1.0	2.7	5.2	3.5	2.4	1.8	1.5	1.8	.8	1.7	1.5	.9	.7	1.5	2.6	8.3	9.2	7.6	23	9.2
23	7.5	BF	13.3	14.9	12.1	8.7	8.9	6.7	5.3	6.5	BF	BA	BF	BA	5.1	4.2	5.0	3.5	4.8	5.0	10.5	16.9	14.0	12.1	19	16.9
24	9.9	BF	8.3	7.5	9.8	11.3	11.6	16.1	15.2	16.2	13.4	12.6	14.5	10.1	9.8	11.4	16.3	17.4	23.4	6.5	6.1	5.9	13.2	11.8	23	23.4
25	7.0	BF	9.7	8.7	10.7	12.9	22.9	21.4	22.3	18.3	14.9	14.9	13.8	16.4	18.9	16.6	15.6	19.9	12.6	4.5	8.1	15.1	24.8	23.7	23	24.8
26	19.8	BF	2.9	2.8	4.6	13.2	21.1	19.5	20.0	17.6	16.7	14.6	15.5	15.1	17.8	16.1	15.0	19.6	23.2	15.4	8.2	10.9	12.2	9.5	23	23.2
27	6.6	BF	11.6	12.6	18.7	27.2	22.2	17.6	16.1	14.8	13.7	14.7	12.6	13.2	14.9	14.2	14.3	13.4	12.8	5.8	14.6	12.7	11.5	5.2	23	27.2
28	3.3	BF	9.1	4.6	4.1	8.6	9.6	11.9	6.6	7.8	9.0	5.8	5.7	5.3	7.7	7.4	2.6	1.8	1.0	1.5	2.3	2.8	3.4	3.5	23	11.9
29	2.6	BF	1.5	1.5	1.6	2.9	2.8	2.4	2.4	.9	.9	1.9	3.2	.9	.9	1.7	3.2	1.8	5.6	2.3	2.8	2.5	5.8	2.3	23	5.8
30	1.7	BF	1.8	2.8	1.9	2.4	2.1	1.6	.9	1.1	1.9	2.4	.6	.8	.6	6.3	2.4	1.1	4.1	3.7	2.3	3.0	2.5	2.6	23	6.3
31	2.5	BF	1.1	1.9	2.6	4.0	7.0	4.6	2.4	2.3	2.3	3.4	1.7	1.8	1.8	1.9	1.3	1.6	1.9	2.1	2.0	4.1	2.7	2.3	23	7.0
NO.:	31		31	31	31	31	31	31	31	30	29	29	29	30	31	31	31	31	31	31	31	31	31	31		
MAX:	19.8		14.2	14.9	18.7	27.2	25.2	22.7	23.6	20.2	17.8	19.0	18.5	21.8	20.9	19.9	18.2	19.9	23.4	16.0	16.2	20.4	24.8	23.7		
AVG:	7.21		6.45	6.54	7.10	9.36	10.41	11.01	10.39	9.31	9.16	8.67	8.58	8.76	8.69	8.83	8.42	9.51	9.38	6.33	8.16	9.51	9.80	8.84		

MONTHLY OBSERVATIONS: 705 MONTHLY MEAN: 8.71 MONTHLY MAX: 27.2

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JUNE 2016

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	1.8	BF	1.7	1.3	1.3	4.5	4.9	5.8	3.5	4.0	3.6	4.3	3.3	2.9	2.5	1.2	6.6	6.5	4.9	3.0	2.5	2.4	2.9	2.6	23	6.6
2	2.2	BF	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	1	2.2
3	AN	AN	AN	AN	AN	AN	AN	AN	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
4	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
5	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
6	BA	BA	BA	BA	BA	BA	BA	BA	BA	BC	BC	BC	BC	BC	BC	11.4	10.8	16.6	9.1	7.1	7.6	5.5	3.1	2.9	9	16.6
7	1.4	BF	4.2	6.0	8.1	9.4	10.1	9.7	7.3	6.2	4.6	4.4	7.2	10.1	11.8	7.8	12.2	12.4	18.5	7.8	7.4	6.9	13.7	8.0	23	18.5
8	8.2	BF	19.0	16.2	16.3	16.0	12.9	10.2	11.3	13.1	6.4	8.6	8.1	9.3	14.6	8.6	7.3	2.5	2.9	2.0	3.2	5.6	13.8	23.9	23	23.9
9	5.3	BF	2.0	4.7	11.9	13.1	14.1	16.0	16.1	11.0	10.7	11.0	9.1	10.4	12.9	13.2	14.6	16.2	18.5	11.3	8.0	17.0	20.4	16.5	23	20.4
10	10.1	BF	14.9	16.7	15.1	8.0	4.1	7.1	12.9	8.4	9.1	5.0	9.0	10.8	19.0	14.6	17.0	19.8	13.9	5.5	9.8	11.4	16.2	11.0	23	19.8
11	9.0	BF	5.5	5.5	8.0	12.3	14.3	10.7	8.0	7.5	9.7	9.6	8.6	7.4	8.8	6.9	9.1	10.1	12.6	7.5	3.7	5.0	8.6	5.9	23	14.3
12	4.6	BF	4.9	6.0	5.9	7.6	6.1	6.2	7.4	6.6	7.8	7.7	7.4	6.6	6.7	6.6	9.4	10.4	13.6	12.8	13.9	11.3	3.8	4.7	23	13.9
13	3.3	BF	2.8	1.7	1.3	1.9	3.7	5.3	7.5	5.5	15.3	8.8	8.1	8.8	12.9	14.1	10.0	6.2	5.0	6.0	7.0	18.6	31.2	24.4	23	31.2
14	24.5	BF	6.7	2.8	4.7	6.3	10.9	21.6	14.7	3.3	4.0	3.2	12.9	2.8	5.8	5.9	4.2	2.0	2.8	4.2	4.8	6.4	4.9	8.9	23	24.5
15	9.8	BF	5.0	6.4	8.2	7.3	13.3	21.0	18.1	18.9	17.0	14.1	12.3	14.4	13.1	13.9	13.7	14.0	9.0	7.0	9.2	6.2	4.1	9.4	23	21.0
16	6.5	BF	7.9	7.3	10.8	14.1	14.7	15.0	14.1	14.2	9.9	6.2	5.5	7.8	5.4	2.6	8.8	16.5	15.2	5.6	13.5	17.8	11.1	7.1	23	17.8
17	2.6	BF	6.6	5.4	9.7	3.9	5.5	9.1	7.4	3.3	1.2	2.1	2.2	.7	1.6	1.1	2.1	1.8	2.2	1.5	1.2	1.4	1.2	1.3	23	9.7
18	.9	BF	1.8	1.4	2.2	2.0	4.8	4.2	3.4	1.3	1.0	.9	1.4	2.1	2.0	1.3	1.7	2.6	1.8	2.1	4.2	3.8	1.9	1.9	23	4.8
19	1.8	BF	1.4	3.3	2.1	7.3	6.4	10.8	6.5	5.5	4.8	4.6	1.9	1.5	2.6	3.3	1.7	.9	.5	.7	3.4	16.3	13.4	18.4	23	18.4
20	17.5	BF	14.5	13.4	12.8	10.4	8.7	14.4	15.1	15.5	BA	BA	BA	13.0 6	13.4 6	13.8 6	13.1 6	15.7 6	15.1 6	7.5 6	6.8 6	12.1 6	13.4 6	6.6 6	20	17.5
21	5.0 6	BF	7.1 6	11.2 6	17.7 6	19.8 6	19.6 6	14.6 6	15.0 6	16.9 6	15.8 6	14.0 6	11.9 6	11.4 6	10.7 6	16.8 6	19.3 6	23.7 6	15.5 6	15.2 6	8.6 6	7.3 6	5.1 6	4.6 6	23	23.7
22	5.4 6	BF	5.6 6	6.8 6	9.9 6	18.4 6	15.8 6	15.8 6	AZ	AZ	AZ	AZ	AZ	AZ	BA	16.8 6	17.5 6	18.6 6	15.2 6	6.8 6	7.2 6	7.9 6	5.8 6	5.4 6	16	18.6
23	4.0 6	BF	4.4 6	11.7 6	17.5 6	18.6 6	17.9 6	16.9 6	13.5 6	16.1 6	18.8 6	18.8 6	16.5 6	14.2 6	16.6 6	7.0 6	6.4 6	10.9 6	7.4 6	2.9 6	3.9 6	5.9 6	5.1 6	6.7 6	23	18.8
24	11.4 6	BF	5.9 6	2.4 6	9.0 6	16.5 6	13.5 6	16.8 6	9.2 6	13.4 6	5.4 6	5.2 6	7.0 6	7.5 6	10.1 6	12.3 6	5.2 6	2.3 6	2.3 6	1.9 6	5.4 6	9.2 6	11.7 6	10.9 6	23	16.8
25	5.1 6	BF	3.7 6	1.9 6	3.7 6	3.1 6	2.0 6	1.7 6	2.0 6	2.3 6	2.4 6	1.3 6	1.3 6	2.0 6	.8 6	.5 6	.9 6	1.1 6	1.1 6	1.0 6	1.2 6	1.5 6	2.8 6	3.3 6	23	5.1
26	1.1 6	BF	1.1 6	1.1 6	.8 6	.6 6	2.8 6	3.9 6	4.4 6	4.1 6	2.2 6	3.2 6	.8 6	1.3 6	1.3 6	.7 6	.7 6	1.2 6	1.4 6	1.7 6	4.1 6	6.1 6	5.9 6	7.2 6	23	7.2
27	5.5 6	BF	5.5 6	5.5 6	6.2 6	8.4 6	14.9 6	16.8 6	17.3 6	13.3 6	12.3 6	11.1 6	13.4 6	14.0 6	14.1 6	11.8 6	10.1 6	5.7 6	7.5 6	8.3 6	8.9 6	8.0 6	16.3 6	7.0 6	23	17.3
28	5.4 6	BF	6.8 6	10.5 6	15.5 6	19.7 6	18.7 6	16.2 6	20.9 6	23.7 6	25.2 6	18.2 6	15.4 6	15.8 6	9.6 6	15.8 6	15.5 6	15.2 6	12.0 6	10.1 6	12.3 6	14.4 6	12.3 6	7.9 6	23	25.2
29	6.4 6	BF	7.2 6	9.1 6	11.5 6	15.3 6	8.0 6	7.7 6	7.2 6	6.7 6	3.8 6	7.5 6	4.3 6	5.9 6	8.0 6	9.9 6	6.3 6	5.7 6	4.8 6	4.7 6	10.8 6	11.9 6	11.1 6	8.2 6	23	15.3
30	7.0 6	BF	7.3 6	6.4 6	3.0 6	8.8 6	10.8 6	7.1 6	12.3 6	11.5 6	14.1 6	13.5 6	12.5 6	11.4 6	11.3 6	3.8 6	5.6 6	3.9 6	4.5 6	2.3 6	2.4 6	3.5 6	8.6 6	5.0 6	23	14.1
31																									0	
NO.:	26		25	25	25	25	25	25	24	24	23	23	23	24	24	26	26	26	26	26	26	26	26	26		
MAX:	24.5		19.0	16.7	17.7	19.8	19.6	21.6	20.9	23.7	25.2	18.8	16.5	15.8	19.0	16.8	19.3	23.7	18.5	15.2	13.9	18.6	31.2	24.4		
AVG:	6.38		6.14	6.59	8.53	10.13	10.34	11.38	10.63	9.68	8.92	7.97	7.83	8.00	8.98	8.53	8.84	9.33	8.36	5.63	6.58	8.59	9.55	8.45		

MONTHLY OBSERVATIONS: 575 MONTHLY MEAN: 8.48 MONTHLY MAX: 31.2

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: JULY 2016

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	3.0	BF	4.1	8.8	8.1	14.9	15.3	12.1	11.3	12.3	11.4	12.2	10.9	11.4	9.0	8.7	10.4	14.0	13.5	5.9	7.4	10.8	10.7	9.1	23	15.3
2	3.2	BF	3.3	7.7	7.1	3.0	3.7	4.8	5.1	2.2	1.4	2.9	3.2	2.6	1.4	.7	.8	4.0	2.9	3.2	6.8	5.4	4.9	2.7	23	7.7
3	3.1	BF	3.1	1.8	2.0	4.3	5.4	7.3	2.0	1.1	.7	.9	.9	.5	.6	.5	.9	.7	1.9	1.1	1.1	1.6	2.3	1.9	23	7.3
4	2.0	BF	1.1	.8	1.4	2.4	3.0	5.6	5.0	5.9	5.1	5.1	6.0	4.7 1	4.8 1	4.1 1	3.8 1	5.2 1	1.5 1	1.8 1	6.4 1	7.0 1	7.6 1	5.8 1	23	7.6
5	5.5 1	BF	2.9 1	7.0 1	10.3 1	11.6 1	8.4 1	8.6 1	10.3 1	8.4 1	9.5 1	9.7 1	9.6 1	9.4 1	10.3 1	8.1 1	5.6 1	12.5 1	15.7 1	10.5 1	12.6 1	13.7 1	9.3 1	8.6 1	23	15.7
6	4.5 1	BF	6.6	8.4 1	11.0 1	11.4 1	11.9 1	10.1 1	11.1 1	AX	AX	BA	12.4	10.9	10.3	4.7	5.0	13.0	12.7	5.9	7.6	6.8	6.5	4.9	20	13.0
7	7.1	BF	8.3	5.7	9.0	10.2	7.8	10.1	13.7	12.3	14.3	15.5	12.7	9.8	13.0	16.7	15.3	12.4	11.2	12.3	10.1	11.4	9.5	7.8	23	16.7
8	6.9	BF	5.1	8.0	10.9	16.2	15.1	15.3	14.0	13.7	11.8	10.3	11.4	10.5	11.5	10.6	10.7	13.0	11.3	2.6	8.6	10.1	6.7	7.8	23	16.2
9	5.7	BF	4.7	5.6	6.8	9.3	11.2	7.6	8.6	5.7	8.6	7.4	8.0	7.9	8.0	7.8	7.8	8.7	10.0	8.1	2.4	3.8	2.7	6.7	23	11.2
10	5.5	BF	6.3	5.3	6.1	6.9	6.4	3.8	2.6	5.9	5.7	3.0	5.3	4.3	3.0	4.4	4.8	5.8	5.9	1.6	1.9	4.6	3.8	7.2	23	7.2
11	5.9	AN	9.0	11.2	11.8	11.4	8.4	12.0	13.1	BA	6.0	7.2	BA	9.2	5.0	1.6	2.3	12.5	15.1	12.1	9.7	4.4	11.3	5.9	21	15.1
12	4.7	BF	4.0	6.4	3.3	6.1	6.6	12.3	18.2	13.4	7.3	13.5	13.8	10.0	10.9	13.1	10.2	15.2	8.6	4.6	9.7	6.4	5.0	3.0	23	18.2
13	3.5	BF	5.7	6.3	8.5	11.0	12.4	11.9	14.6	11.4	12.2	9.1	8.7	11.8	11.6	12.0	11.3	10.1	3.7	5.1	6.5	4.2	3.9	5.3	23	14.6
14	6.4	BF	6.4	10.1	9.3	8.8	13.2	17.4	16.1	13.9	10.4	14.8	13.4	10.5	9.3	10.9	10.2	14.3	5.3	10.8	11.2	12.4	10.6	9.7	23	17.4
15	7.1	BF	6.2	7.7	10.8	14.9	16.0	13.4	13.5	11.6	9.9	12.1	11.4	12.7	11.6	10.2	5.5	12.8	8.0	15.6	15.8	5.2	11.6	10.7	23	16.0
16	5.5	BF	2.4	3.6	6.7	9.5	8.0	6.7	7.5	8.5	5.3	6.8	6.2	7.6	4.8	7.0	8.2	6.6	7.5	3.5	3.4	6.0	9.7	8.5	23	9.7
17	6.6	BF	3.6	3.7	2.6	5.2	6.6	5.7	4.5	4.6	5.4	3.9	4.2	3.6	4.8	5.4	7.0	8.8	4.4	1.7	3.5	8.1	7.7	5.4	23	8.8
18	3.9	BF	6.5	7.3	8.9	9.9	10.0	11.4	12.7	11.4	11.2	9.4	9.4	10.5	10.5	11.7	11.9	13.8	11.4	9.7	9.9	7.0	5.6	5.5	23	13.8
19	5.1	BF	6.2	9.2	7.7	12.6	11.7	10.6	9.7	5.9	3.6	2.5	5.1	11.5	14.4	13.3	12.4	14.4	1.8	6.0	6.9	7.9	8.5	7.7	23	14.4
20	4.0	BF	3.0	5.0	6.7	8.9	6.8	5.7	AX	AX	AX	BA	BC	BC	BC	BC	1.4	.8	.9	1.3	2.3	4.0	8.2	8.5	15	8.9
21	4.7	BF	3.4	3.8	5.2	4.5	8.4	6.7	8.3	19.3	17.3	13.0	9.8	5.1	7.9	12.9	8.2	6.2	4.4	5.6	7.0	8.4	6.5	5.5	23	19.3
22	7.0	BF	3.9	8.7	9.3	11.3	17.7	16.7	20.3	17.4	13.5	11.5	12.5	13.6	15.0	12.1	9.6	13.7	14.2	10.3	14.2	11.1	8.0	9.9	23	20.3
23	6.5	BF	4.9	4.7	7.4	7.3	10.9	10.0	7.3	6.0	6.3	6.1	5.4	6.2	8.4	6.7	6.4	11.9	5.1	3.6	8.7	9.0	8.1	6.2	23	11.9
24	4.0	BF	4.1	3.7	3.9	4.8	4.6	5.5	5.3	4.7	5.2	6.7	7.5	5.3	4.9	5.5	5.8	5.0	1.7	2.9	3.0	4.3	8.1	7.1	23	8.1
25	5.9	BF	6.5	8.7	13.4	15.2	14.8	12.8	11.6	10.7	10.9	12.3	12.8	11.4	12.4	16.4	9.5	11.1	10.1	10.4	12.3	12.2	7.3	4.6	23	16.4
26	3.2	BF	4.5	6.8	11.0	19.4	16.6	12.9	15.2	12.9	16.2	14.3	14.9	13.4	12.2	12.4	12.0	8.9	5.7	7.5	8.3	7.6	6.7	10.6	23	19.4
27	6.0	BF	5.5	4.8	6.0	9.3	10.9	AE	15.0	11.3	13.8	11.4	1.9	1.5	10.3	9.9	10.8	4.5	3.6	2.5	3.3	4.6	5.3	4.7	22	15.0
28	2.5	BF	4.6	8.8	9.5	8.1	7.1	11.7	17.4	16.9	14.5	12.8	12.4	11.2	12.6	11.0	12.9	15.7	13.3	11.4	9.4	8.2	8.2	9.0	23	17.4
29	6.9	BF	8.3	11.0	12.2	19.2	18.1	12.8	5.5	7.1	10.5	7.1	4.1	7.7	11.1	6.9	5.2	.9	1.1	3.4	6.9	9.8	7.0	6.3	23	19.2
30	7.1	BF	7.5	5.5	4.5	4.9	8.0	15.5	13.9	11.1	9.8	8.5	6.6	7.8	8.7	11.1	3.4	2.3	4.3	9.0	4.9	1.4	5.3	4.6	23	15.5
31	3.8	BF	4.2	3.8	5.6	6.2	4.9	4.1	4.8	6.4	3.8	6.2	5.4	6.2	6.3	6.6	7.6	7.2	9.4	5.8	4.4	9.3	9.9	7.5	23	9.9
NO.:	31		31	31	31	31	31	30	30	28	29	29	29	30	30	30	31	31	31	31	31	31	31	31		
MAX:	7.1		9.0	11.2	13.4	19.4	18.1	17.4	20.3	19.3	17.3	15.5	14.9	13.6	15.0	16.7	15.3	15.7	15.7	15.6	15.8	13.7	11.6	10.7		
AVG:	5.06		5.03	6.45	7.65	9.64	10.00	10.04	10.61	9.71	9.02	8.83	8.48	8.29	8.82	8.77	7.64	9.23	7.30	6.32	7.30	7.31	7.31	6.73		

MONTHLY OBSERVATIONS: 699 MONTHLY MEAN: 8.04 MONTHLY MAX: 20.3

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: AUGUST 2016

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	6.9	BF	8.1	12.0	9.4	16.6	14.4	14.2	13.0	12.7	11.9	13.4	13.2	13.4	12.2	10.2	10.5	14.6	12.1	12.6	11.8	9.6	8.9	8.0	23	16.6
2	6.2	BF	6.7	6.6	13.1	12.2	12.2	15.6	16.3	14.5	13.1	13.7	12.9	13.9	11.1	14.6	8.9	11.8	11.4	14.7	7.9	5.7	8.8	7.7	23	16.3
3	5.9	BF	2.8	2.0	6.8	8.5	9.0	9.2	7.6	AX	AX	AX	BA	4.2	4.2	3.2	2.9	3.3	3.6	4.4	4.5	7.7	5.9	5.7	19	9.2
4	2.4	BF	2.4	1.6	3.6	7.0	7.6	6.2	5.9	4.3	3.7	2.6	2.7	2.5	2.2	1.7	1.1	2.2	4.5	3.9	5.2	6.7	11.7	7.9	23	11.7
5	6.3	BF	2.8	2.1	3.9	4.5	8.5	10.1	16.3	12.0	9.7	11.7	9.7	10.1	5.5	6.3	8.9	AE	13.8	9.4	10.0	10.7	6.8	8.1	22	16.3
6	6.5	BF	3.8	4.6	6.7	6.8	8.0	6.9	7.9	7.7	6.2	8.0	7.9	6.1	7.7	7.8	7.6	8.7	9.1	9.1	8.2	8.0	7.4	6.6	23	9.1
7	3.9	BF	2.0	1.9	1.8	1.6	1.2	2.3	2.5	3.7	1.8	.7	1.1	1.8	2.5	1.5	1.0	1.0	1.6	2.0	1.8	2.6	2.2	2.3	23	3.9
8	2.1	BF	1.3	1.4	1.5	5.4	8.4	8.9	9.2	9.5	14.1	6.7	1.8	1.8	1.3	2.2	2.4	AE	9.6	5.1	5.3	7.5	4.7	3.3	22	14.1
9	2.6	BF	1.3	1.2	5.1	4.5	6.5	9.5	11.0	10.9	9.2	10.4	8.6	6.4	3.7	4.2	8.3	3.3	3.0	3.2	3.3	3.8	5.3	5.1	23	11.0
10	2.8	BF	2.1	1.5	2.4	2.6	3.7	9.2	9.7	8.5	9.7	8.1	11.2	8.3	8.2	8.2	7.3	6.7	4.5	4.7	4.5	6.0	5.9	4.7	23	11.2
11	4.3	BF	3.6	3.3	4.4	5.0	6.5	7.6	13.5	10.4	10.7	10.0	11.0	10.6	8.2	5.4	8.6	8.4	6.8	4.8	4.5	4.5	5.9	5.5	23	13.5
12	4.9	BF	4.9	5.7	4.9	8.7	6.3	10.3	12.3	12.1	11.1	10.5	12.1	10.3	9.9	9.9	7.7	9.6	8.8	4.7	7.5	8.2	9.4	7.0	23	12.3
13	4.4	BF	2.2	3.5	5.5	7.2	7.4	5.6	4.7	5.9	5.2	5.5	6.1	4.8	6.0	5.6	6.7	6.5	7.6	6.7	9.1	8.1	5.2	4.8	23	9.1
14	2.4	BF	2.4	2.3	2.5	4.3	3.8	2.6	3.3	4.6	3.4	4.2	3.9	5.2	5.0	6.7	6.1	8.1	2.6	5.9	8.6	9.2	8.4	7.8	23	9.2
15	4.5	BF	6.0	5.8	6.9	11.4	11.4	10.3	13.6	15.5	12.6	12.9	11.6	9.1	13.2	9.8	10.7	12.3	6.2	5.0	5.3	6.7	10.5	7.5	23	15.5
16	4.9	BF	4.7	6.4	9.3	11.9	10.2	8.2	9.5	AX	AX	AX	BA	13.1	9.5	11.0	8.8	10.3	10.6	8.4	9.7	8.9	6.8	7.0	19	13.1
17	3.9	BF	3.9	7.0	6.5	11.5	9.0	8.0	11.6	13.2	13.2	11.5	8.9	8.5	12.2	9.8	10.8	11.4	13.8	3.3	2.8	7.1	7.3	8.0	23	13.8
18	8.7	BF	7.9	7.6	8.7	11.6	11.6	12.0	13.9	11.5	8.3	10.5	10.1	10.2	4.5	9.0	7.7	2.6	1.5	2.6	3.7	4.7	13.2	12.0	23	13.9
19	4.9	BF	10.0	11.0	7.9	13.9	20.5	18.4	15.7	17.1	17.6	11.1	10.6	11.0	14.3	5.5	2.0	3.5	3.8	4.6	4.3	6.8	7.4	6.7	23	20.5
20	4.9	BF	4.9	4.8	5.2	6.3	8.1	6.9	5.6	3.2	6.3	4.0	3.8	4.5	4.4	AE	3.4	3.6	2.3	2.6	3.0	2.9	3.2	4.3	22	8.1
21	6.2	BF	4.0	3.2	3.7	4.7	4.8	3.2	3.8	4.1	5.0	4.7	5.2	3.4	5.0	4.8	5.2	6.2	4.8	7.5	7.9	5.9	6.1	3.1	23	7.9
22	2.6	BF	2.2	3.5	4.1	4.2	6.5	9.4	8.7	4.9	4.4	4.4	4.5	4.4	5.2	2.5	4.3	1.8	2.0	3.2	5.9	4.3	3.8	4.1	23	9.4
23	3.5	BF	1.5	1.6	1.9	5.3	9.8	10.0	13.7	10.0	9.5	9.5	7.4	6.4	2.8	1.9	1.5	3.3	4.1	5.3	8.1	5.2	5.0	3.2	23	13.7
24	2.7	BF	3.9	3.2	4.3	4.3	8.5	10.7	11.1	14.5	16.1	14.0	18.4	4.6	4.1	2.3	2.0	3.5	4.0	4.0	9.2	8.4	12.7	18.3	23	18.4
25	9.0	BF	7.7	8.7	14.7	15.1	18.8	16.5	18.1	23.6	16.6	12.2	14.4	15.2	15.2	14.6	13.7	10.5	4.0	7.7	11.2	7.6	7.2	6.2	23	23.6
26	4.9	BF	11.9	9.2	11.9	16.6	16.6	15.5	11.9	8.6	5.2	7.5	10.6	6.1	5.3	4.8	4.2	5.6	6.6	4.9	5.8	5.1	6.1	8.5	23	16.6
27	6.3	BF	4.0	6.5	9.6	10.5	11.3	11.6	6.8	6.9	3.7	2.6	5.4	5.8	9.1	14.8	8.4	6.2	4.8	4.8	3.5	3.7	3.6	3.1	23	14.8
28	1.8	BF	1.5	1.4	1.4	2.6	2.3	4.7	1.6	.6	1.4	1.3	.8	1.3	1.6	.7	.8	.7	3.1	4.9	3.8	3.1	2.6	2.3	23	4.9
29	2.1	BF	1.4	2.0	1.1	2.9	6.3	8.6	4.9	3.7	2.5	AX	AX	BA	4.4	3.0	2.0	1.5	1.6	3.5	3.4	4.0	5.4	6.8	20	8.6
30	5.4	BF	2.6	3.3	3.8	7.1	9.0	5.3	4.4	3.8	8.1	8.1	11.9	5.8	5.2	3.2	1.6	1.0	1.4	4.0	7.5	8.1	6.7	6.6	23	11.9
31	4.1	BF	3.7	8.0	8.6	9.7	8.6	10.0	12.7	17.9	14.2	14.0	16.9	19.5	18.5	14.5	6.5	13.3	15.6	11.9	9.9	10.4	9.6	7.5	23	19.5
NO.:	31		31	31	31	31	31	31	31	29	29	28	28	30	31	30	31	29	31	31	31	31	31	31		
MAX:	9.0		11.9	12.0	14.7	16.6	20.5	18.4	18.1	23.6	17.6	14.0	18.4	19.5	18.5	14.8	13.7	14.6	15.6	14.7	11.8	10.7	13.2	18.3		
AVG:	4.58		4.14	4.61	5.85	7.89	8.93	9.27	9.70	9.51	8.78	8.35	8.67	7.61	7.17	6.66	5.86	6.26	6.10	5.79	6.36	6.49	6.89	6.44		

MONTHLY OBSERVATIONS: 699 MONTHLY MEAN: 7.02 MONTHLY MAX: 23.6

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: SEPTEMBER 2016

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

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	5.8	BF	8.4	7.2	10.2	11.9	13.7	10.6	12.0	12.0	12.9	12.9	12.5	9.2	11.7	5.1	2.8	5.7	9.2	12.0	6.1	5.4	5.2	8.5	23	13.7
2	6.6	BF	2.9	3.1	3.0	4.4	6.7	4.8	7.4	9.5	9.5	9.8	7.4	5.7	2.9	3.2	3.3	3.8	3.2	1.1	1.4	1.3	.6	.6	23	9.8
3	.8	BF	.7	.7	1.3	1.0	1.7	2.4	2.5	1.4	1.1	2.1	1.0	1.0	.7	1.2	.9	.9	1.3	2.9	1.4	1.3	5.5	5.7	23	5.7
4	4.3	BF	3.7	2.5	1.9	1.2	1.5	.9	1.0	1.0	.9	.6	.7	.6	.6	.8	1.3	2.2	1.3	1.1	4.1	3.7	3.1	2.7	23	4.3
5	1.5	BF	1.7	1.5	1.8	2.6	2.1	3.7	3.5	2.0	1.5	2.3	2.4	1.7	3.1	1.7	1.1	.7	2.2	9.2	12.1	17.0	10.7	8.7	23	17.0
6	5.8	BF	12.5	13.1	12.9	10.9	11.9	8.9	10.9	8.2	3.6	5.5	8.0	12.0	14.0	16.2	17.5	20.0	8.8	7.0	19.7	21.9	13.1	6.8	23	21.9
7	18.7	BF	13.7	10.9	12.6	21.6	19.5	17.9	22.6	22.1	15.9	7.4	10.7	11.3	17.6	18.2	16.9	21.1	7.8	8.2	12.6	13.1	14.1	13.3	23	22.6
8	15.6	BF	17.1	15.0	18.3	23.8	20.5	18.0	21.0	20.8	18.7	18.2	14.2	14.8	16.5	16.5	14.3	19.1	20.1	7.7	8.7	10.5	9.8	10.4	23	23.8
9	9.9	BF	6.9	6.0	11.5	20.1	21.0	18.7	16.9	19.3	20.3	18.4	16.2	16.1	15.5	13.6	12.6	19.2	12.1	8.3	12.9	8.9	11.4	7.4	23	21.0
10	4.4	BF	5.2	5.1	8.1	12.8	13.6	16.5	8.3	10.3	8.6	9.7	8.1	7.1	7.7	7.5	8.3	10.1	8.8	10.8	9.8	8.6	6.5	5.3	23	16.5
11	4.4	BF	3.7	3.8	4.1	8.4	7.7	5.4	6.5	3.8	3.1	4.2	2.6	3.9	3.5	4.0	3.1	.7	.9	2.9	4.1	2.6	2.1	3.8	23	8.4
12	2.1	AN	1.6	2.7	6.4	7.8	7.2	6.2	6.8	BA	BA	9.4	8.2 1	10.7 1	9.2 1	9.1 1	5.4 1	3.7 1	4.4 1	3.9 1	4.0 1	4.8 1	5.8 1	3.4 1	21	10.7
13	2.0 1	AN	1.7 1	2.0 1	2.6 1	4.5 1	7.0 1	6.4 1	11.3 1	13.8 1	13.2 1	16.9 1	12.6 1	13.8 1	15.8 1	24.4 1	17.7 1	19.3 1	17.2 1	8.8 1	5.9 1	11.8 1	13.2 1	6.3 1	23	24.4
14	3.9 1	AN	12.0 1	16.5 1	13.7 1	11.8 1	11.6 1	9.0 1	BA	BA	BA	18.1 1	11.7 1	16.8 1	16.6 1	18.7 1	14.8 1	19.4 1	15.9 1	10.9 1	11.9 1	7.2 1	7.2 1	11.8 1	20	19.4
15	7.2 1	AN	5.5 1	7.2 1	9.2 1	6.0 1	7.4 1	7.1 1	6.7 1	12.5 1	7.1 1	6.6 1	5.4 1	6.5 1	3.5 1	3.4 1	2.3 1	2.1 1	3.6 1	3.9 1	6.1 1	8.8 1	4.2 1	2.4 1	23	12.5
16	1.1 1	AN	2.6 1	2.4 1	2.1 1	4.5 1	4.9 1	5.2 1	5.5 1	4.4 1	5.5 1	4.4 1	7.3 1	5.8 1	6.5 1	4.4 1	4.1 1	8.6 1	8.5 1	10.2 1	13.1 1	9.2 1	6.5 1	2.8 1	23	13.1
17	2.3 1	AN	2.0 1	1.8 1	3.1 1	5.8 1	6.5 1	4.4 1	6.5 1	6.9 1	4.3 1	4.5 1	5.2 1	3.7 1	7.9 1	4.7 1	3.8 1	2.0 1	2.4 1	3.0 1	3.5 1	5.5 1	5.0 1	4.0 1	23	7.9
18	3.5 1	AN	2.6 1	2.3 1	2.4 1	6.5 1	4.4 1	6.1 1	4.4 1	4.5 1	3.5 1	2.2 1	3.3 1	6.3 1	4.5 1	5.2 1	2.6 1	1.7 1	3.1 1	3.9 1	3.3 1	2.7 1	3.5 1	3.7 1	23	6.5
19	2.5 1	AN	1.9 1	2.8 1	3.1 1	12.2 1	11.2 1	11.1 1	12.1 1	13.3 1	9.0 1	6.5 1	13.1 1	10.1 1	3.9 1	2.6 1	2.4 1	2.1 1	1.9 1	2.5 1	2.1 1	1.9 1	1.5 1	1.9 1	23	13.3
20	1.5 1	AN	1.1 1	1.5 1	2.0 1	3.9 1	4.9 1	7.4 1	BA	3.9 1	3.3 1	4.8 1	2.8 1	5.2 1	5.0 1	3.3 1	5.1 1	3.0 1	2.2 1	1.7 1	2.2 1	1.8 1	1.7 1	1.2 1	22	7.4
21	1.3 1	BF	2.2 1	1.1 1	1.5 1	2.5 1	2.4 1	AX	AX	AX	AX	BA	3.0	2.4	2.2	1.5	1.7	.8	2.1	3.0	2.7	2.2	1.1	.9	18	3.0
22	.8	BF	2.0	1.8	4.8	8.0	8.3	4.8	5.5	5.3	4.3	4.7	2.7	2.1	1.6	2.5	4.1	3.5	3.2	3.0	2.3	1.8	2.0	3.1	23	8.3
23	1.0	BF	1.8	1.2	2.1	3.9	5.5	5.9	4.7	3.3	2.8	2.5	2.1	1.9	3.8	1.3	1.2	2.3	2.6	4.9	6.4	4.7	5.6	7.0	23	7.0
24	5.2	BF	3.5	2.8	2.9	2.7	3.4	3.2	7.3	9.6	8.2	5.5	3.8	6.2	4.7	1.1	3.0	.7	2.3	6.0	8.8	8.7	13.7	8.6	23	13.7
25	2.8	BF	.9	2.5	2.8	2.2	3.2	5.1	3.3	4.2	5.4	7.3	3.5	4.3	2.6	3.7	5.9	9.0	5.5	4.7	6.3	4.8	3.4	1.9	23	9.0
26	2.8	BF	4.6	5.0	6.0	6.2	3.9	4.8	7.7	8.1	11.0	15.9	14.0	16.2	13.7	13.8	11.7	11.1	6.4	10.3	8.4	7.3	8.3	5.2	23	16.2
27	4.0	BF	6.5	8.7	15.8	17.9	18.6	20.7	17.8	17.4	19.6	10.6	18.1	10.4	6.2	5.1	5.1	3.3	4.2	4.2	10.4	7.4	10.8	5.4	23	20.7
28	6.9	BF	1.6	2.6	5.4	8.3	12.0	14.1	17.3	13.6	13.8	16.7	12.3	11.2	13.8	14.4	12.4	14.0	13.4	5.4	4.1	5.6	6.2	6.6	23	17.3
29	5.3	BF	11.6	9.3	15.7	25.5	19.5	20.0	14.0	13.8	8.3	9.2	11.7	11.2	12.9	8.3	8.2	4.5	3.5	3.9	6.5	6.9	5.5	4.7	23	25.5
30	3.5	BF	5.6	4.7	4.6	7.0	5.6	9.8	11.5	15.8	16.6	14.3	13.0	13.3	10.7	10.2	10.4	6.1	4.9	5.1	4.4	7.3	7.1	7.3	23	16.6
31																									0	
NO.:	30		30	30	30	30	30	29	27	27	27	29	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	18.7		17.1	16.5	18.3	25.5	21.0	20.7	22.6	22.1	20.3	18.4	18.1	16.8	17.6	24.4	17.7	21.1	20.1	12.0	19.7	21.9	14.1	13.3		
AVG:	4.58		4.93	4.93	6.40	8.86	8.91	8.93	9.44	9.66	8.59	8.66	7.92	8.05	7.96	7.52	6.80	7.36	6.10	5.68	6.84	6.82	6.48	5.38		

MONTHLY OBSERVATIONS: 679 MONTHLY MEAN: 7.22 MONTHLY MAX: 25.5

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: OCTOBER 2016

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	6.1	BF	5.1	3.0	5.0	10.5	10.4	5.7	6.7	8.9	9.5	8.1	7.5	7.3	9.7	10.5	9.1	3.9	3.5	5.7	8.5	9.0	11.5	11.3	23	11.5
2	10.5	BF	3.1	3.1	2.5	2.7	2.1	2.2	1.3	1.2	2.3	1.5	1.7	2.3	2.3	2.1	.7	.8	1.0	4.3	6.7	8.1	4.3	6.9	23	10.5
3	7.0	BF	5.8	5.3	7.5	7.6	6.9	8.1	8.7	4.6	4.6	10.1	4.2	4.1	2.1	1.5	1.4	3.4	7.9	10.9	14.3	8.6	5.0	3.1	23	14.3
4	2.1	BF	1.6	2.5	2.4	4.8	5.4	7.6	AX	AX	AX	BA	3.3	2.1	2.3	2.5	1.7	3.3	3.0	3.3	3.1	7.8	5.0	3.6	19	7.8
5	1.3	BF	1.6	1.3	1.8	2.8	4.1	4.8	4.7	2.7	3.5	4.9	3.0	3.0	3.0	2.1	1.9	3.4	1.9	2.8	2.1	2.6	2.5	1.4	23	4.9
6	1.8	BF	1.5	2.8	3.2	4.3	7.0	5.7	5.3	3.9	2.7	1.8	3.1	2.9	2.6	3.3	1.9	2.0	2.6	1.9	1.8	2.6	1.7	1.6	23	7.0
7	1.4	BF	2.6	2.2	4.6	11.1	11.5	11.6	9.9	12.4	8.9	7.1	7.3	8.3	9.0	8.6	5.8	6.6	7.0	6.3	5.9	3.9	5.0	4.5	23	12.4
8	3.1	BF	1.3	1.4	1.6	1.5	1.0	1.5	1.0	1.3	.6	.5	.8	.9	1.4	.6	.4	.4	.6	.2	.3	.5	.5	.6	23	3.1
9	.6	BF	1.7	.4	.7	4.8	4.8	2.0	1.6	2.9	2.4	1.6	2.2	1.8	2.6	2.1	.8	.9	1.3	2.9	2.3	2.8	2.1	1.9	23	4.8
10	2.1	BF	2.1	1.9	2.0	3.7	7.0	6.8	4.3	2.5	2.2	1.2	1.7	1.9	2.2	3.0	2.0	1.4	3.8	13.9	15.4	8.5	12.4	11.9	23	15.4
11	7.1	BF	1.9	1.9	4.0	6.4	7.3	6.5	7.5	6.0	4.2	3.9	3.8	3.6	3.2	2.7	1.6	2.1	3.5	7.0	4.3	6.9	7.7	4.1	23	7.7
12	2.5	BF	1.3	2.1	2.8	3.3	4.8	6.9	AX	AX	BA	BC	BC	BC	BC	BC	4.0	3.4	4.2	5.9	6.4	9.7	14.4	12.0	15	14.4
13	9.4	BF	6.7	5.2	5.0	6.3	6.3	5.6	16.7	19.1	15.7	14.3	15.1	11.0	5.7	2.9	2.2	2.5	5.1	8.5	9.8	10.0	7.4	4.8	23	19.1
14	4.3	BF	4.1	4.2	4.8	7.1	8.0	7.0	5.1	3.9	4.3	6.8	5.3	6.3	5.3	3.1	.9	1.6	4.7	10.1	6.7	4.7	5.6	8.5	23	10.1
15	4.4	2.2	2.1	2.1	2.4	3.0	3.7	4.1	9.2	5.4	4.6	4.9	3.2	2.6	3.7	3.5	2.6	1.2	3.0	4.9	5.7	7.5	12.7	7.6	24	12.7
16	7.0	4.5	4.9	4.6	4.9	4.8	5.2	3.8	10.0	7.8	7.0	7.5	7.9	8.3	9.8	12.8	14.9	3.8	11.0	12.2	11.6	10.6	8.1	9.5	24	14.9
17	8.8	8.5	6.9	7.1	7.7	13.1	14.4	15.4	15.8	BA	BA	13.4	14.0	14.0	14.4	16.7	18.7	14.2	9.5	13.4	13.3	11.1	12.4	11.7	22	18.7
18	5.6	BF	4.2	4.1	8.1	14.7	16.4	14.3	13.9	11.9	12.8	BA	BA	11.6	14.4	14.4	15.1	27.9	23.6	19.3	17.6	13.3	12.3	4.4	21	27.9
19	9.8	BF	7.0	11.5	14.8	18.2	17.7	16.2	16.1	17.1	17.8	11.9	11.2	8.5	3.1	3.1	4.1	7.7	14.5	11.0	9.7	8.8	11.1	11.3	23	18.2
20	9.5	BF	9.3	7.8	7.9	8.6	7.3	12.7	15.4	18.3	17.9	17.9	14.7	13.2	17.6	16.0	7.6	7.0	13.7	14.9	13.1	12.8	14.1	6.5	23	18.3
21	4.3	BF	5.5	9.5	13.9	19.3	18.6	19.2	16.6	13.7	15.7	15.8	15.0	15.4	13.1	14.0	16.2	15.9	10.4	9.0	10.5	7.9	6.4	5.5	23	19.3
22	3.8	BF	4.7	5.2	5.9	9.5	15.4	11.9	7.4	6.2	5.0	7.0	4.2	5.2	5.8	6.6	4.7	4.1	11.8	7.6	10.6	9.2	11.5	12.5	23	15.4
23	11.3	BF	5.4	3.8	4.6	5.8	10.9	8.8	7.6	6.7	6.7	6.7	6.6	6.9	8.0	9.3	10.8	18.7	20.8	15.1	12.4	10.9	8.6	4.3	23	20.8
24	4.2	BF	6.8	15.7	19.7	24.9	22.9	19.8	18.1	17.0	17.8	15.2	16.3	16.4	17.6	21.5	19.2	6.6	14.1	21.0	9.1	3.1	2.5	2.0	23	24.9
25	4.1	BF	3.5	3.0	1.7	3.5	4.3	7.0	10.6	6.5	5.9	5.2	4.6	5.2	10.6	19.1	10.7	8.0	21.1	23.4	20.1	17.4	15.3	13.6	23	23.4
26	11.7	BF	8.5	9.0	9.5	8.2	9.4	9.1	12.1	AX	AX	AX	BA	BA	14.6	17.3	8.1	6.9	9.4	21.2	17.3	18.4	16.7	15.5	18	21.2
27	11.3	BF	10.5	7.7	9.8	10.8	10.7	11.5	20.1	16.6	13.3	10.9	13.8	15.1	17.4	18.1	24.4	28.8	22.6	13.6	15.7	16.0	18.0	10.9	23	28.8
28	10.9	BF	7.8	9.5	8.7	16.3	16.5	14.4	14.9	7.8	4.9	4.4	2.8	5.4	8.5	3.4	2.3	5.2	9.7	21.1	22.6	13.6	6.6	6.5	23	22.6
29	7.8	BF	6.6	5.8	5.1	4.8	7.0	6.7	11.9	9.1	9.2	10.2	8.0	7.7	10.0	9.9	12.4	13.2	7.1	8.1	11.4	6.0	5.6	8.0	23	13.2
30	9.1	BF	5.1	10.2	11.8	10.1	10.4	9.5	8.1	7.5	9.0	7.5	8.6	6.8	9.7	12.7	11.0	5.5	7.5	18.0	16.8	13.0	11.2	10.4	23	18.0
31	9.8	BF	12.9	12.0	9.3	6.7	5.6	7.0	9.5	5.4	6.2	3.0	2.2	3.9	5.5	3.7	3.3	5.1	7.3	6.4	3.9	4.3	5.9	4.3	23	12.9
NO.:	31	3	31	31	31	31	31	31	29	27	27	27	28	29	30	30	31	31	31	31	31	31	31	31		
MAX:	11.7	8.5	12.9	15.7	19.7	24.9	22.9	19.8	20.1	19.1	17.9	17.9	16.3	16.4	17.6	21.5	24.4	28.8	23.6	23.4	22.6	18.4	18.0	15.5		
AVG:	6.22	5.07	4.91	5.35	6.25	8.36	9.13	8.82	10.00	8.39	7.95	7.53	6.86	6.96	7.84	8.24	7.11	6.95	8.62	10.45	9.97	8.70	8.52	7.12		

MONTHLY OBSERVATIONS: 695 MONTHLY MEAN: 7.82 MONTHLY MAX: 28.8

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: NOVEMBER 2016

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	4.4	BF	5.5	8.9	4.8	3.3	3.9	7.3	11.3	13.4	13.7	17.0	13.5	17.1	16.3	10.4	6.8	7.6	8.0	11.1	15.4	14.1	12.8	10.8	23	17.1
2	8.2	BF	5.6	6.0	7.7	7.7	6.6	10.8	14.3	20.1	14.3	15.2	14.8	14.7	20.3	20.6	10.8	8.4	13.3	13.4	14.7	14.6	15.4	14.4	23	20.6
3	13.2	BF	14.4	13.6	12.2	13.6	17.4	15.2	19.1	19.9	18.9	16.4	20.1	25.3	25.2	22.1	24.6	18.4	14.8	22.8	14.5	12.6	12.4	6.8	23	25.3
4	7.7	BF	6.0	3.4	1.7	2.8	3.9	5.0	3.4	1.8	1.4	2.6	2.3	3.6	2.2	1.7	1.5	1.6	5.7	4.4	5.2	5.9	4.8	2.7	23	7.7
5	2.8	BF	4.6	2.8	2.2	2.1	1.9	2.3	3.7	3.9	3.2	4.1	2.3	1.6	5.7	1.0	1.0	3.5	9.1	19.7	17.4	14.1	12.1	9.5	23	19.7
6	7.3	BF	4.9	5.6	5.1	4.4	4.9	5.0	5.5	5.8	3.6	2.9	1.8	1.2	1.5	.7	1.2	2.3	2.6	8.1	20.1	18.8	15.6	10.9	23	20.1
7	10.2	BF	3.5	3.4	2.8	2.7	3.2	3.3	5.1	3.9	3.2	3.9	1.8	2.2	1.9	2.7	4.2	4.4	6.8	18.4	23.6	21.8	20.1	17.0	23	23.6
8	15.1	BF	11.9	9.5	7.6	8.2	6.9	7.3	12.8	18.6	16.6	AX	AX	AX	BA	28.9	16.9	19.3	20.9	21.9	16.5	17.8	21.4	18.8	19	28.9
9	16.9	BF	10.9	10.5	14.0	17.5	17.3	19.0	18.6	19.9	22.8	24.3	17.7	12.2	11.3	8.9	5.3	5.5	5.8	7.2	10.7	11.5	10.1	5.6	23	24.3
10	6.4	BF	5.6	6.1	6.7	9.1	12.3	15.7	12.0	6.2	6.2	6.1	7.4	6.3	8.6	10.4	5.2	9.6	20.9	25.1	23.3	22.7	20.1	12.1	23	25.1
11	15.1	BF	13.2	14.3	14.0	17.1	16.8	17.2	18.1	17.8	15.0	11.6	8.2	8.2	6.5	6.4	3.1	5.7	6.9	4.9	2.7	2.2	2.2	4.8	23	18.1
12	5.7	BF	1.6	1.8	2.1	2.0	4.7	4.8	2.9	2.7	3.2	2.5	2.0	1.7	2.1	1.6	1.4	2.4	4.2	8.6	10.3	17.5	17.5	12.6	23	17.5
13	15.2	BF	13.8	12.2	11.7	11.7	10.0	10.5	10.3	8.9	6.4	6.3	3.3	2.5	12.0	5.5	7.0	14.2	12.3	19.2	15.1	14.2	16.8	11.9	23	19.2
14	11.7	BF	11.5	9.0	8.6	5.0	7.2	10.4	12.8	8.9	6.7	5.0	7.7	7.7	6.2	6.9	9.2	7.4	6.8	7.5	5.2	8.4	6.0	3.6	23	12.8
15	4.3	BF	1.9	2.5	4.1	8.2	9.0	8.7	15.1	15.9	19.2	17.0	12.0	19.3	18.7	19.2	12.1	10.8	21.2	22.1	21.9	21.1	19.0	16.1	23	22.1
16	15.0	BF	13.2	12.3	9.6	9.4	9.6	10.6	16.2	23.9	26.2	17.9	17.9	12.7	13.2	25.7	14.6	12.5	23.2	27.0	22.8	21.4	18.3	16.8	23	27.0
17	17.5	BF	12.6	12.2	10.0	9.2	9.6	10.2	8.4	12.8	10.8	5.9	4.9	11.1	12.9	4.9	6.2	9.3	22.2	24.6	22.8	19.5	16.5	13.5	23	24.6
18	12.4	BF	10.3	9.3	9.1	8.6	11.6	8.7	9.5	17.3	20.3	BA	24.2	22.6	28.6	25.6	8.6	13.8	15.8	16.7	22.6	18.8	18.0	15.7	22	28.6
19	12.8	BF	14.2	12.0	12.0	14.2	13.9	10.9	18.3	11.0	9.3	8.2	7.4	8.1	10.7	8.0	6.4	6.7	4.8	4.7	7.5	7.8	9.0	8.8	23	18.3
20	6.1	BF	4.6	3.5	6.8	10.0	9.1	12.2	6.3	4.9	4.6	4.4	5.5	5.3	5.1	7.9	11.2	17.8	18.6	6.1	6.4	4.0	5.1	11.3	23	18.6
21	20.3	BF	19.4	20.3	20.6	18.3	19.9	23.5	20.9	16.1	13.4	12.8	9.3	13.8	12.7	18.5	24.4	28.8	27.9	22.4	17.7	11.7	9.9	14.6	23	28.8
22	22.0	BF	24.1	20.8	24.3	21.3	26.9	27.8	17.1	15.1	AX	AX	AX	BA	8.8	13.3	6.5	10.5	13.9	30.5	29.6	26.6	25.8	24.8	19	30.5
23	22.4	BF	18.9	17.6	16.2	16.1	18.0	16.9	18.8	26.9	31.9	23.9	19.5	18.6	21.8	22.4	13.9	18.8	21.1	22.2	18.0	21.7	18.9	17.8	23	31.9
24	12.0	BF	10.1	15.6	12.1	6.7	6.6	11.1	12.5	14.0	10.8	10.1	6.5	6.4	4.8	6.3	3.6	1.6	1.4	3.5	8.1	7.2	7.5	5.8	23	15.6
25	6.2	BF	4.3	2.9	4.0	4.7	4.6	4.4	5.6	12.5	10.1	11.5	7.7	10.1	11.2	14.2	2.8	8.8	12.9	7.6	7.1	12.6	8.8	8.1	23	14.2
26	12.7	BF	1.3	1.5	2.0	1.7	2.5	2.8	3.6	1.4	1.9	2.5	2.6	2.6	2.6	3.4	2.6	2.9	3.0	3.2	3.3	4.4	4.9	11.8	23	12.7
27	17.3	BF	13.3	12.1	12.1	11.5	10.7	9.6	9.5	8.4	5.1	5.1	5.2	5.7	6.0	10.1	8.7	5.6	14.1	17.1	17.9	17.6	17.5	16.4	23	17.9
28	15.8	BF	13.1	12.8	15.5	14.7	13.2	10.2	16.6	24.1	23.5	20.2	20.1	17.2	17.6	21.3	15.0	11.7	11.7	16.7	16.9	10.2	5.5	6.1	23	24.1
29	3.4	BF	4.2	6.7	4.3	5.1	10.2	9.6	10.9	10.6	11.4	11.6	12.2	12.6	14.7	13.9	12.4	13.2	13.9	11.2	11.4	12.9	9.8	9.1	23	14.7
30	7.6	BF	8.4	6.9	6.4	9.9	12.4	11.7	12.0	10.3	11.7	11.9	6.9	6.5	10.4	12.8	13.9	12.2	11.5	8.7	7.2	4.6	5.3	3.6	23	13.9
31																									0	
NO.:	30		30	30	30	30	30	30	30	30	29	27	28	28	29	30	30	30	30	30	30	30	30	30		
MAX:	22.4		24.1	20.8	24.3	21.3	26.9	27.8	20.9	26.9	31.9	24.3	24.2	25.3	28.6	28.9	24.6	28.8	27.9	30.5	29.6	26.6	25.8	24.8		
AVG:	11.59		9.56	9.20	9.01	9.23	10.16	10.76	11.71	12.57	11.91	10.40	9.46	9.89	11.02	11.84	8.70	9.84	12.51	14.55	14.53	13.94	12.90	11.39		

MONTHLY OBSERVATIONS: 681 MONTHLY MEAN: 11.17 MONTHLY MAX: 31.9

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: 37-183-0021 POC: 1
COUNTY: (183) Wake
CITY: (00000) Not in a city
SITE ADDRESS: 2826 TRIPLE OAK DRIVE
SITE COMMENTS:
MONITOR COMMENTS:

STATE: (37) North Carolina
AQCR: (166) EASTERN PIEDMONT
URBANIZED AREA: (0000) NOT IN AN URBAN AREA
LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER: 10102-44-0
LATITUDE: 35.8652
LONGITUDE: -78.8197
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 97
PROBE HEIGHT: 4.5

SUPPORT AGENCY: (0776) North Carolina Dept Of Environmental Quality
MONITOR TYPE: SLAMS
COLLECTION AND ANALYSIS METHOD: (200) Teledyne-API Model 200EUP or T200U
PQAO: (0776) North Carolina Dept Of Environmental Quality

REPORT FOR: DECEMBER 2016

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	2.2	BF	3.7	4.4	5.8	14.0	24.7	23.4	10.7	10.5	9.6	10.0	13.2	11.3	14.3	16.8	23.5	17.3	12.8	19.6	24.0	15.0	13.5	5.1	23	24.7
2	2.2	BF	2.7	4.1	8.7	15.7	15.5	15.4	13.7	16.9	9.5	11.6	13.0	12.5	13.8	14.2	17.5	24.0	23.2	24.7	21.8	17.9	20.9	19.5	23	24.7
3	12.7	BF	3.3	2.7	3.6	3.0	4.6	7.4	11.0	4.5	1.9	3.3	2.5	3.7	5.9	3.6	3.2	3.8	4.5	5.7	7.4	7.7	5.2	5.0	23	12.7
4	4.5	BF	3.6	2.9	3.6	2.8	3.8	4.9	5.1	5.9	7.0	9.3	9.0	10.9	11.4	12.6	9.0	14.7	10.3	8.4	7.4	5.6	5.1	3.9	23	14.7
5	3.7	BF	3.1	4.1	6.3	5.2	7.6	6.5	13.4	10.9	9.4	AX	AX	AX	BA	AS	AS	AS	AS	AS	AS	AS	AS	AS	10	13.4
6	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
7	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
8	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
9	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
10	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
11	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
12	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
13	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
14	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
15	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
16	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
17	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
18	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	0	
19	AS	BF	AS	AS	AS	AS	AS	AS	AS	AS	AS	AX	AX	AX	BA	BC	BC	BC	BC	7.4	6.2	4.2	3.6	3.6	5	7.4
20	3.4	BF	3.0	3.0	3.3	4.3	4.5	6.4	7.5	5.8	6.6	10.7	11.9	10.9	14.3	8.7	9.0	13.6	16.5	18.5	21.7	19.4	18.7	16.9	23	21.7
21	15.7	BF	17.0	17.4	18.1	18.6	16.5	15.0	17.9	22.7	19.6	16.4	10.6	13.5	14.9	25.9	13.1	16.8	22.7	28.0	28.6	29.0	24.1	26.4	23	29.0
22	22.7	BF	22.7	17.9	12.7	15.2	22.4	24.9	21.8	15.2	14.5	13.1	15.4	13.6	19.5	19.6	25.9	22.0	24.3	14.1	9.4	7.2	3.8	7.3	23	25.9
23	4.7	BF	3.0	3.6	7.0	6.2	4.9	15.4	18.6	13.2	9.7	8.5	6.9	7.0	5.4	12.4	13.0	9.4	15.5	15.4	13.2	14.4	12.8	11.0	23	18.6
24	15.0	BF	11.3	10.7	13.0	14.1	14.5	10.7	7.5	10.3	12.8	11.4	7.7	7.1	7.5	8.7	11.7	8.5	8.3	9.4	11.0	11.7	11.7	8.3	23	15.0
25	7.6	BF	6.6	5.7	4.6	3.5	3.5	3.6	4.4	2.4	2.5	2.1	1.8	2.6	5.1	2.5	1.9	3.4	3.7	4.1	4.3	3.8	2.5	2.1	23	7.6
26	1.6	BF	1.2	1.0	1.2	1.9	5.7	4.5	4.6	4.9	4.7	6.2	8.1	7.0	8.0	12.9	14.7	13.7	18.1	14.6	14.1	9.4	10.2	9.5	23	18.1
27	6.3	BF	5.6	6.8	8.1	7.0	9.7	9.9	9.8	9.4	9.5	8.8	8.0	8.3	8.9	9.5	9.8	10.1	9.3	8.2	7.7	9.3	8.9	7.0	23	10.1
28	6.5	BF	13.2	18.7	14.6	17.9	17.4	17.0	18.0	16.9	9.3	7.6	11.0	9.7	9.4	7.0	3.7	8.1	19.8	27.1	25.8	24.6	20.9	22.1	23	27.1
29	21.7	BF	7.4	8.1	10.5	15.9	14.5	17.4	14.6	19.0	15.9	11.9	12.0	12.4	14.3	10.4	10.4	12.3	13.6	11.0	11.0	18.4	16.9	14.6	23	21.7
30	9.2	BF	10.4	10.1	11.0	9.9	17.4	30.4	16.3	13.0	9.4	8.3	7.6	8.0	9.7	12.5	12.9	17.0	17.6	16.8	19.9	24.4	25.4	26.1	23	30.4
31	22.6	BF	21.4	20.1	20.3	18.5	20.8	19.2	20.0	15.2	9.8	9.0	8.3	8.7	9.6	8.3	9.0	11.0	7.1	8.0	7.6	7.0	6.4	5.1	23	22.6
NO.:	17		17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	17	17	17	17	17		
MAX:	22.7		22.7	20.1	20.3	18.6	24.7	30.4	21.8	22.7	19.6	16.4	15.4	13.6	19.5	25.9	25.9	24.0	24.3	28.0	28.6	29.0	25.4	26.4		
AVG:	9.55		8.19	8.31	8.96	10.22	12.24	13.65	12.64	11.57	9.51	9.26	9.19	9.20	10.75	11.60	11.77	12.86	14.21	14.18	14.18	13.47	12.39	11.38		

MONTHLY OBSERVATIONS: 383 MONTHLY MEAN: 11.28 MONTHLY MAX: 30.4

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
1	Deviation from a CFR/Critical Criteria Requirement	QA
2	Operational Deviation	QA
6	QAPP Issue	QA
AE	Shelter Temperature Outside Limits	NULL
AN	Machine Malfunction	NULL
AS	Poor Quality Assurance Results	NULL
AV	Power Failure	NULL
AX	Precision Check	NULL
AZ	Q C Audit	NULL
BA	Maintenance/Routine Repairs	NULL
BC	Multi-point Calibration	NULL
BF	Precision/Zero/Span	NULL
BJ	Operator Error	NULL

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