Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project

Quarterly Report for the Period

April 1, 2005 through June 30, 2005

Submitted to

Judge Janis Graham Jack
US District Court for the Southern District of Texas
Corpus Christi, Texas

Mr. Robert Todd
US Environmental Protection Agency, Region 6
Dallas, Texas

Mr. David Turner
Texas Commission on Environmental Quality, Region 14
Corpus Christi, Texas

Submitted by

David Allen, Ph.D.
Principal Investigator
Center for Energy and Environmental Resources
The University of Texas at Austin
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Austin, TX 78758
512/475-7842
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August 29, 2005

I. Introduction

On October 1, 2003, the US District Court for the Southern District of Texas issued an order to the Clerk of the Court to distribute funds in the amount of $6,700,000, plus interest accrued, to The University of Texas at Austin (University) to implement the court ordered condition of probation (COCP) project *Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation* (Project). This quarterly report has been prepared pursuant to the requirements of the project proposal and is being submitted to the US District Court, the US Environmental Protection Agency (EPA), and the Texas Commission on Environmental Quality (TCEQ).

II. Project Progress Report

The focus of work during the Quarter ending June 30, 2005 has been directed to the following activities.

A. Scheduled Meetings of the Volunteer Advisory Board

During this quarter the Advisory Board met twice. A meeting was held on April 21, 2005 and a second meeting on June 15, 2005. Both meetings were held on the campus of Texas A&M University in Corpus Christi Texas.

At the April 21st meeting the Board was briefed on the status of the Installation Phase of the Project and the transition into the Operations and Maintenance Phase of the Project. Representatives from the Operations and Maintenance Contractors were introduced and gave a brief presentation to the Board. There was opportunity for the Board to ask questions of the Operations and Maintenance Contractors.

Discussions about the TCEQ website and the University's Project website were followed by a demonstration of the data that are available to the public at both locations.

A brief overview and demonstration of the Trajectory Analysis Tool, which is being funded under a Supplemental Environmental Project (SEP) from TCEQ, was given to the Board.

Appendix A is a copy of the Briefing Book Materials and the Meeting Notes for the April 21, 2005 Meeting. The Meeting Notes from the April 21st Meeting were sent electronically to the attendees on May 24, 2005

At the June 15th meeting, information about the data received during April and May enabled the Board to pursue discussions about sampling schedules, identify and discuss particular measurements that constitute an event trigger, and Notification Tool Models that could be a viable tool for the Corpus Christi Project provided we can encourage industry to participate in a notification process.

At the June 15th meeting it was mentioned that in November, 2005 the Board Members would be completing a 2 year commitment of service on the Advisory Board for this Project. Those members who did not wish to continue to serve on the Board were asked to submit a letter of resignation and were encouraged to recommend replacements.

Appendix B is a copy of the Briefing Book Materials from the June 15th Meeting. Appendix C is a copy of the Meeting Notes from the June 15th Meeting. The Meeting Notes identify those who attended the Meeting.

B. Phase I Site Installation

Installation of the monitoring sites in Phase 1a. and Phase 1b of the Installation Phase of the Project was finalized by the installation contractor, URS. After a walk through and inspection of the seven (7) monitoring sites correspondence was sent to URS detailing the remaining issues that needed correction and/or

finalization to comply with the terms of the Contract between The University and URS Corporation. Finalizing the remaining issues under the Installation Phase of the Project did not delay the transition into Phase II of the Project. Some deficient items will require purchases to be made by URS and delay closeout of the Contract until all items are received by the University.

C. Phase II, the Operations and Maintenance Phase of the Project

During this quarter the seven (7) monitoring sites were transitioned into the Operation and Maintenance Phase of the project. Orsat L.L.C.is under contract and assumed the operations and maintenance of two (2) Auto GCs, one located at the Solar Estates Site and one at the Oak Park Site. Air Quality Solutions, Inc. (AQSI), is under contract and will be responsible for the operation and maintenance of the remaining equipment at these two (2) and the other five (5) air monitoring sites.

D. Operation of equipment and reporting into the TCEQ LEADS System is being carefully reviewed and both will be thoroughly monitored for anomalies in data and/or operation of equipment during the first three to four months of operation of the sites.

E. Project Management and Planning

Project management and planning focused on coordination of Items A, B, C and D above and communication of project activities with stakeholders and interested parties.

The University's Project website is updated with project activities. The website is located at the following URL:
http://www.utexas.edu/research/ceer/ccaqp/

III. Financial Report

As required by the project proposal, the following financial summary information is provided. Details supporting this financial summary are included in Appendix D.

A. Total Amount of COCP Funds and Other Funds Received Under the Project

The COCP funds received totals $6,922,850.65. This total includes interest earned through June 30, 2005.

B. Detailed List of the Actual Expenditures Paid by COCP Funds

Expenditures during this quarter totals $5,826.12. The detailed breakdown of the actual expenditures is included in Appendix D. The activities for which these expenditures were used are detailed in Section II of this report.

During this quarter monies received under a Supplemental Environmental Project (SEP) awarded by the TCEQ began to cover project expenses, except for the costs associated with the installation contractors. We anticipate the SEP funds will be used to cover Project expenses beyond September 30, 2005.

C. Total Interest Earned on COCP Funds During the Quarter

The interest earned during this quarter totals $36,864.49. A report providing detailed calculations of the interest earned on the COCP funds during each month of the quarter is included in Appendix D.

D. Balance as of June 30, 2005 in COCP Account, including Interest Earned During the Quarter

The balance in COCP account totals $5,013,948.19.

E. Expected Expenditures for the Funds Remaining in the COCP Account

The expected expenditures for the funds remaining totals $5,013,948.19.

F. Other funds received during period

There were no other funds received during this quarter.

Quarterly Report Distribution List:

U.S. District Court

Ms. Shirley Johnson, Assistant Deputy Chief USPO

Mr. James Martinez, Supervising USPO

Texas Commission on Environmental Quality *

Ms. Kate Hodgins, Litigation Division – Headquarters

Mr. David Brymer, Laboratory and Mobile Monitoring – Headquarters

Mr. David Kennebeck, Field Operations – Region 14

Mr. David Turner, Section Manager – Region 14

Environmental Protection Agency *

Mr. Robert Todd, Air Enforcement Officer – Dallas Regional Office

Volunteer Advisory Board *

**** Distributed with Appendix C and Appendix D only.***

APPENDIX A

April 21, 2005 Advisory Board Meeting Briefing Book Materials

AGENDA
ADVISORY BOARD MEETING

Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project

Texas A&M University-Corpus Christi
*Room **TBD** Bldg NRC*
Corpus Christi, Texas
April 21, 2005 3:30 pm - 6:00 pm

I Call to Order and Welcome

II. Annual Report

III Project Overview and Status

A. Status of Installation of the Monitoring Sites for Phase I
   i. Acceptance Testing
   ii. Supplementary Activities – Outside of the technical requirements of the installation contractors responsibilities
   iii Transition to Phase II –Operations and Maintenance

B. Status of Phase II - Site Operation and Maintenance

   i. Start of Operations and Maintenance Contractors - Introduction of contractors.
      a. Orsat, L.L.C.
      b. Air Quality Solutions, Inc.
      c. QAPP

C. Website Access to Data

   i. TCEQ Website (http://www.tnrcc.state.tx.us/cgi-bin/monops/site_photo?4)
   ii. Project Website – UT (http://www.utexas.edu/research/ceer/ccaqp/)
      a. Introduce Denzil Smith
      b. Invite input from Advisory Board on website design.

IV. Project Related Activities/Supplemental Environmental Project

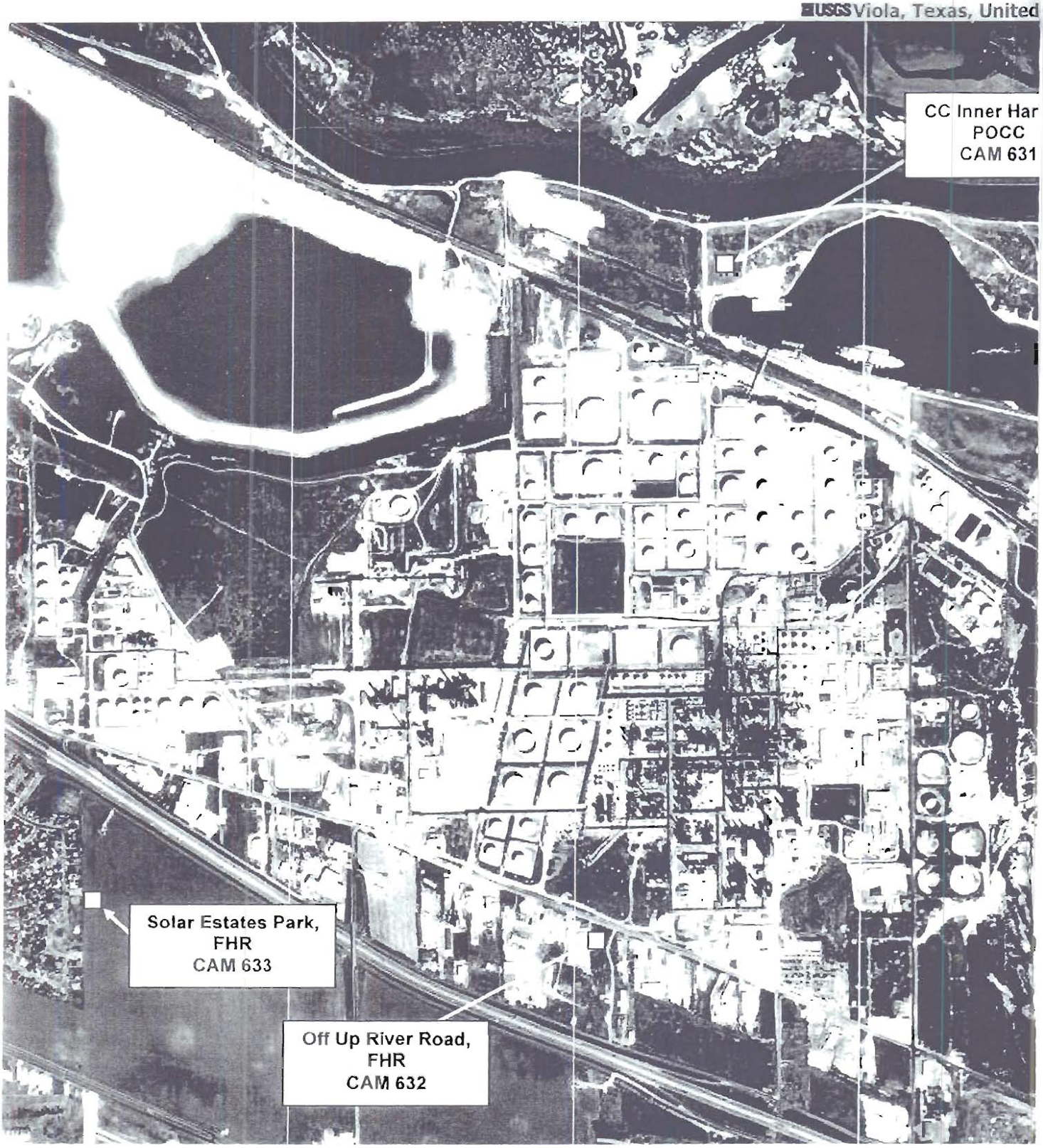
A. Trajectory Analysis Tool
   i. Overview
   ii Status report and presentation: Gary McGaughey and Denzil Smith.
   iii. Discussion

V. Other Issues

A. Set next meeting date, time and site
B. Recommendations for agenda items for next meeting
. C. Public comment

VI. Adjourn

USGS Viola, Texas, United



States 15 Jan 1995

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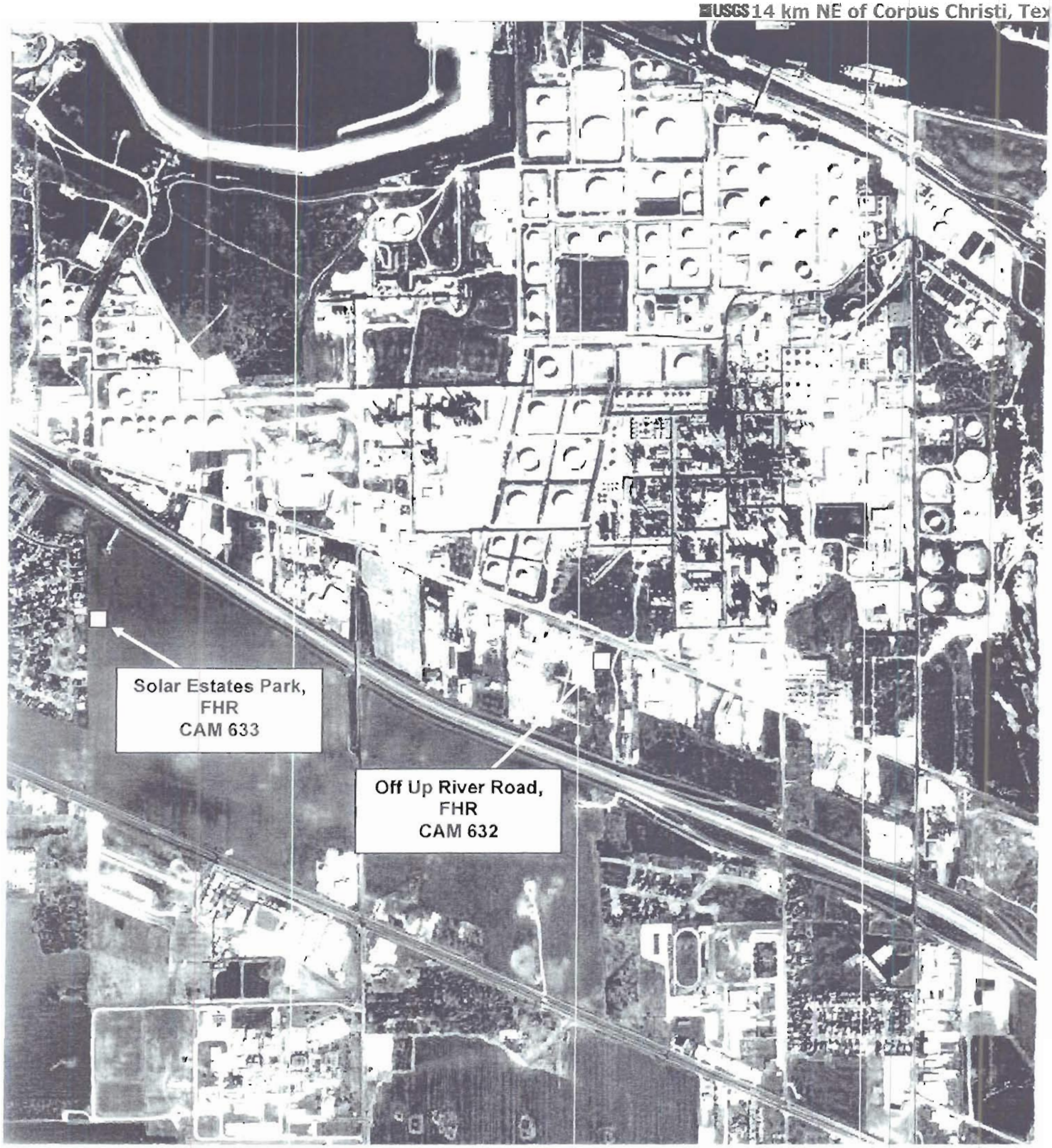
USGS 14 km NE of Corpus Christi, Tex



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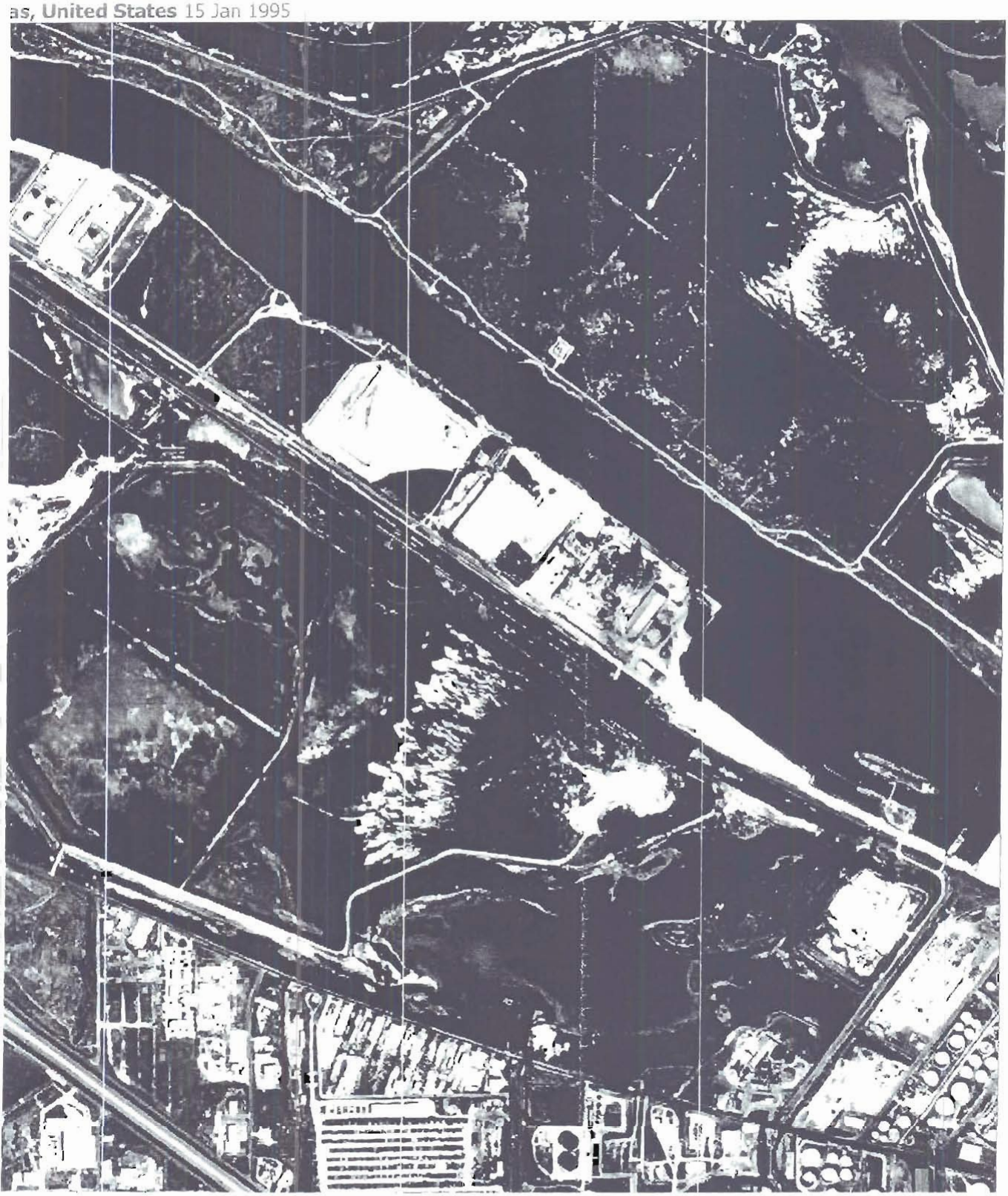

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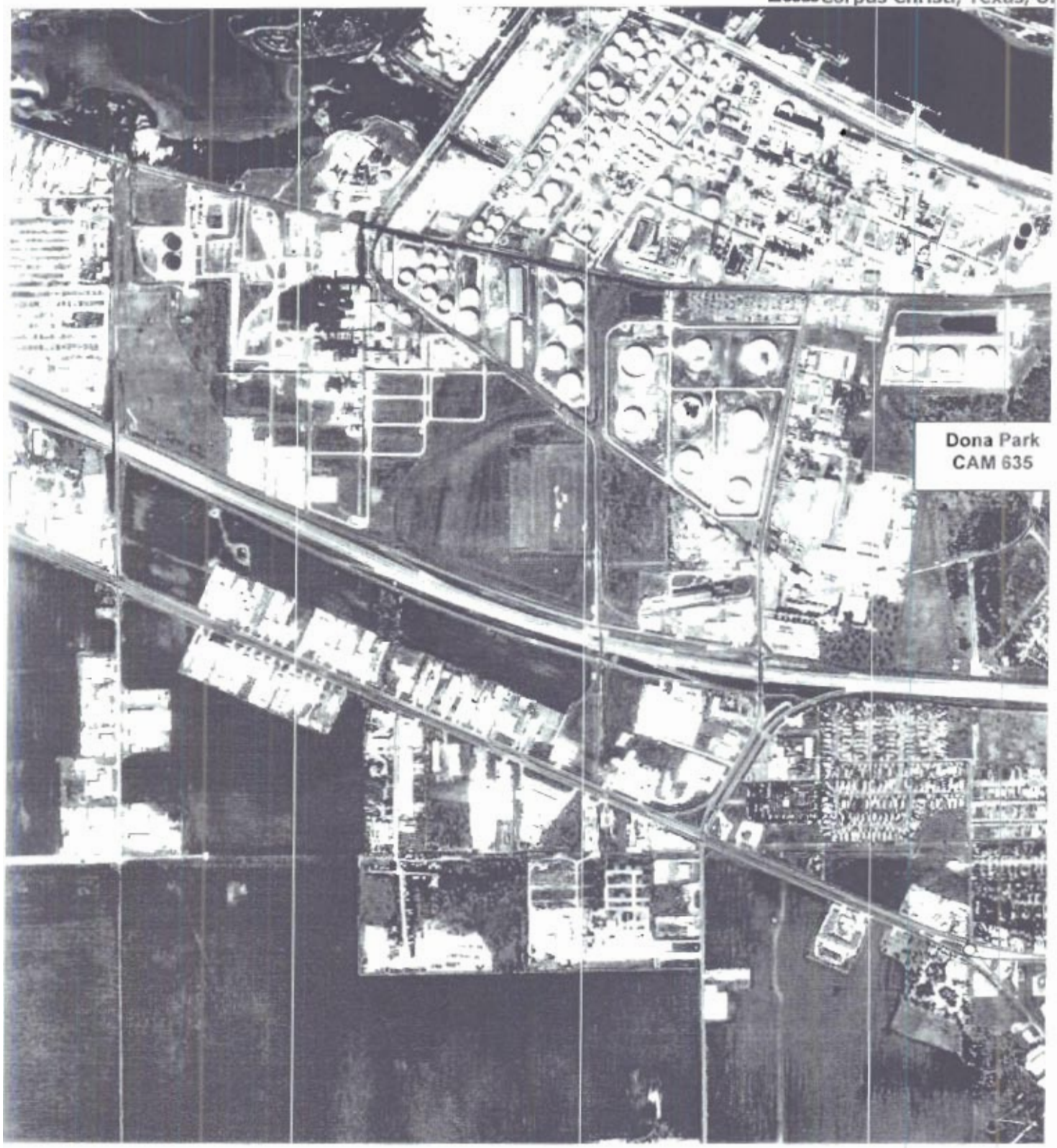

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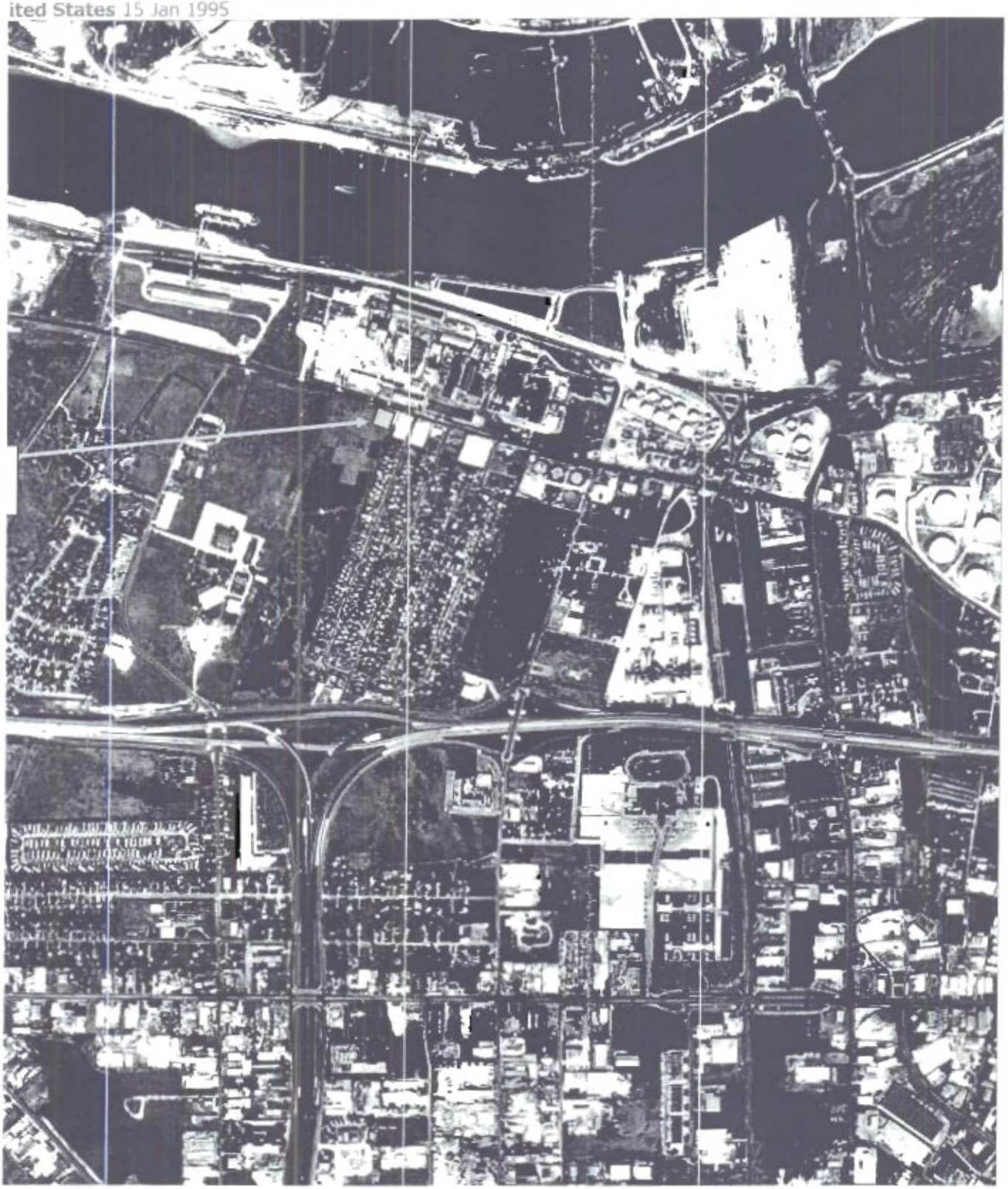

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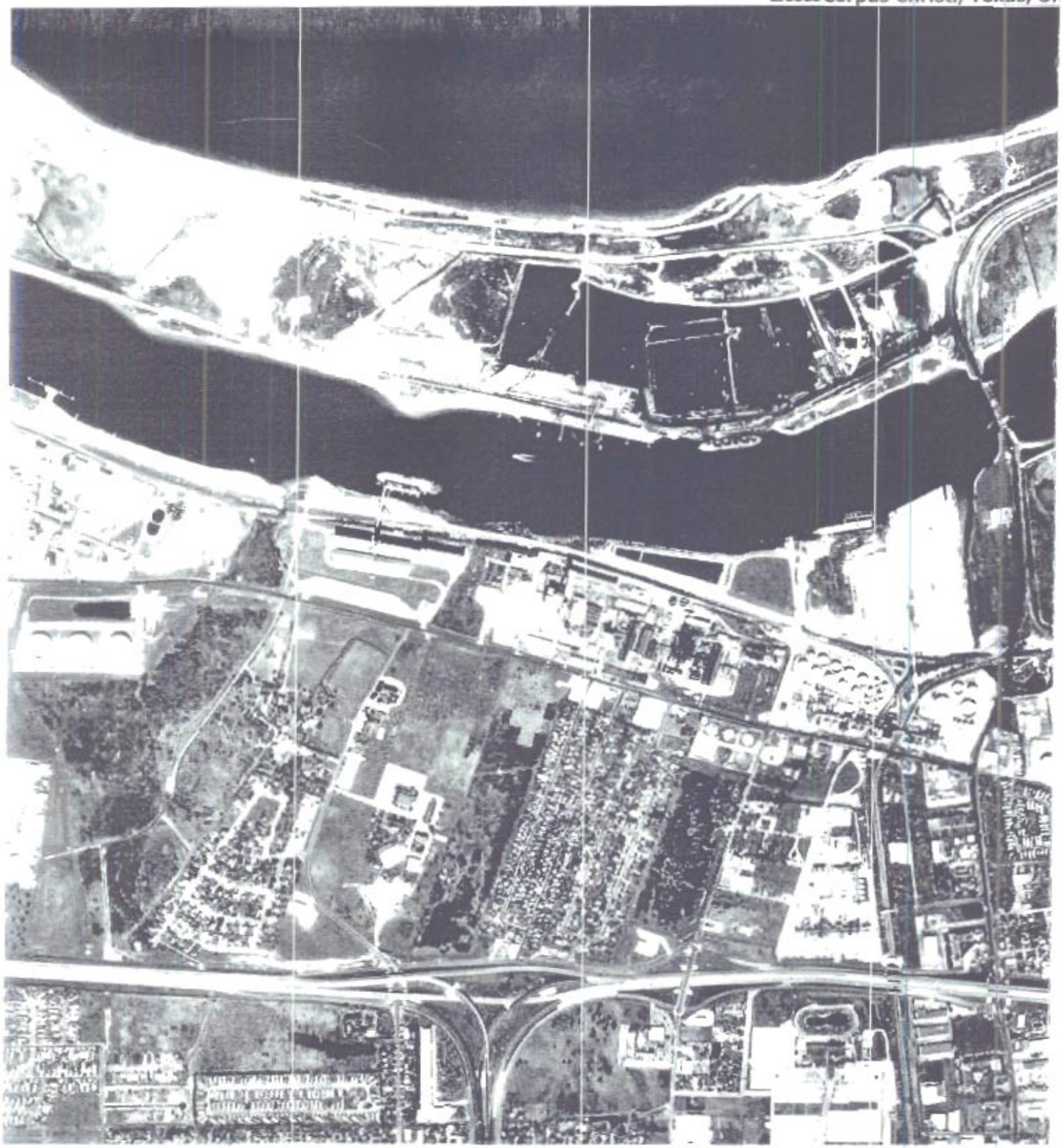

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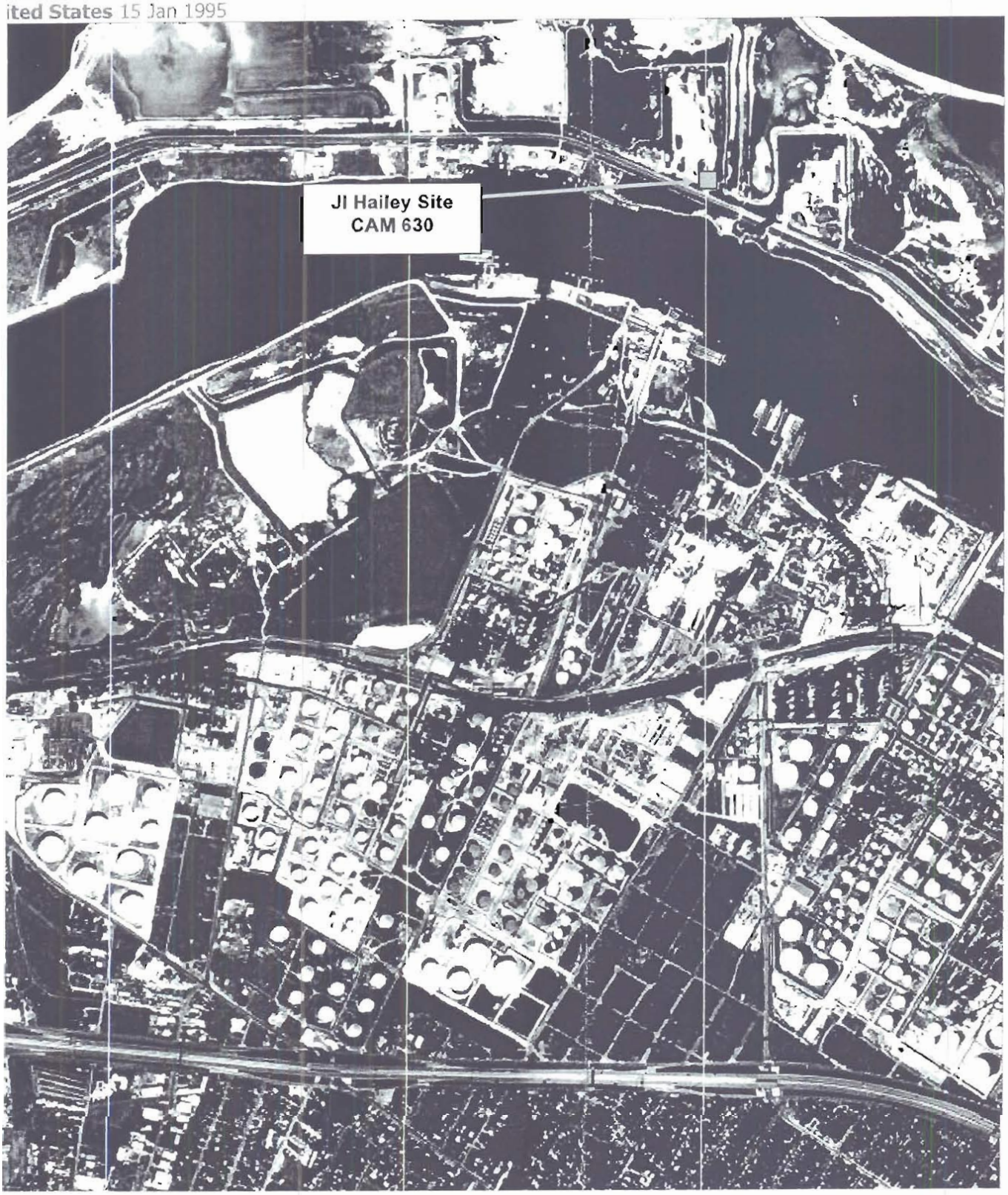

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Geological Survey

of Use Privacy Statement

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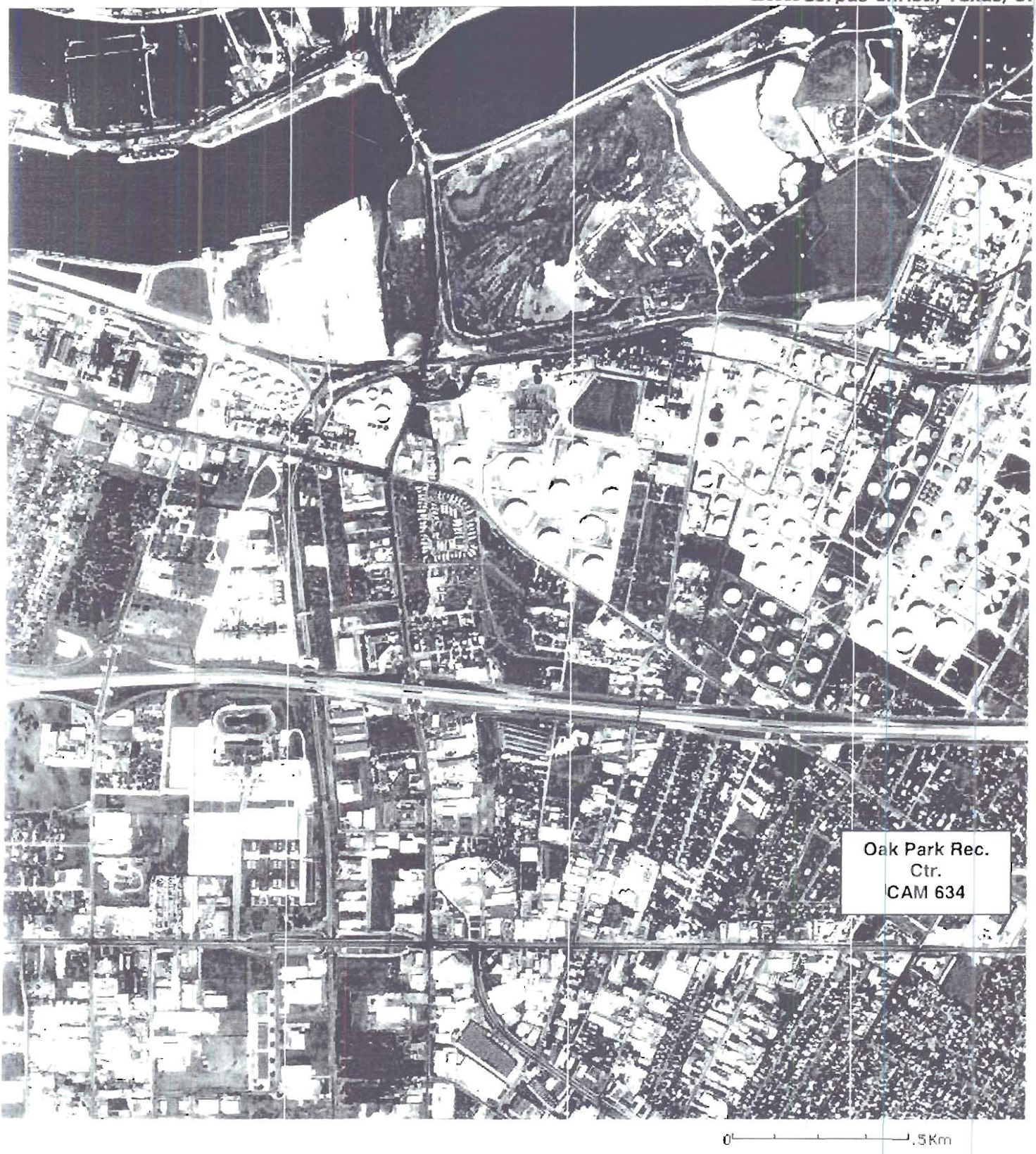

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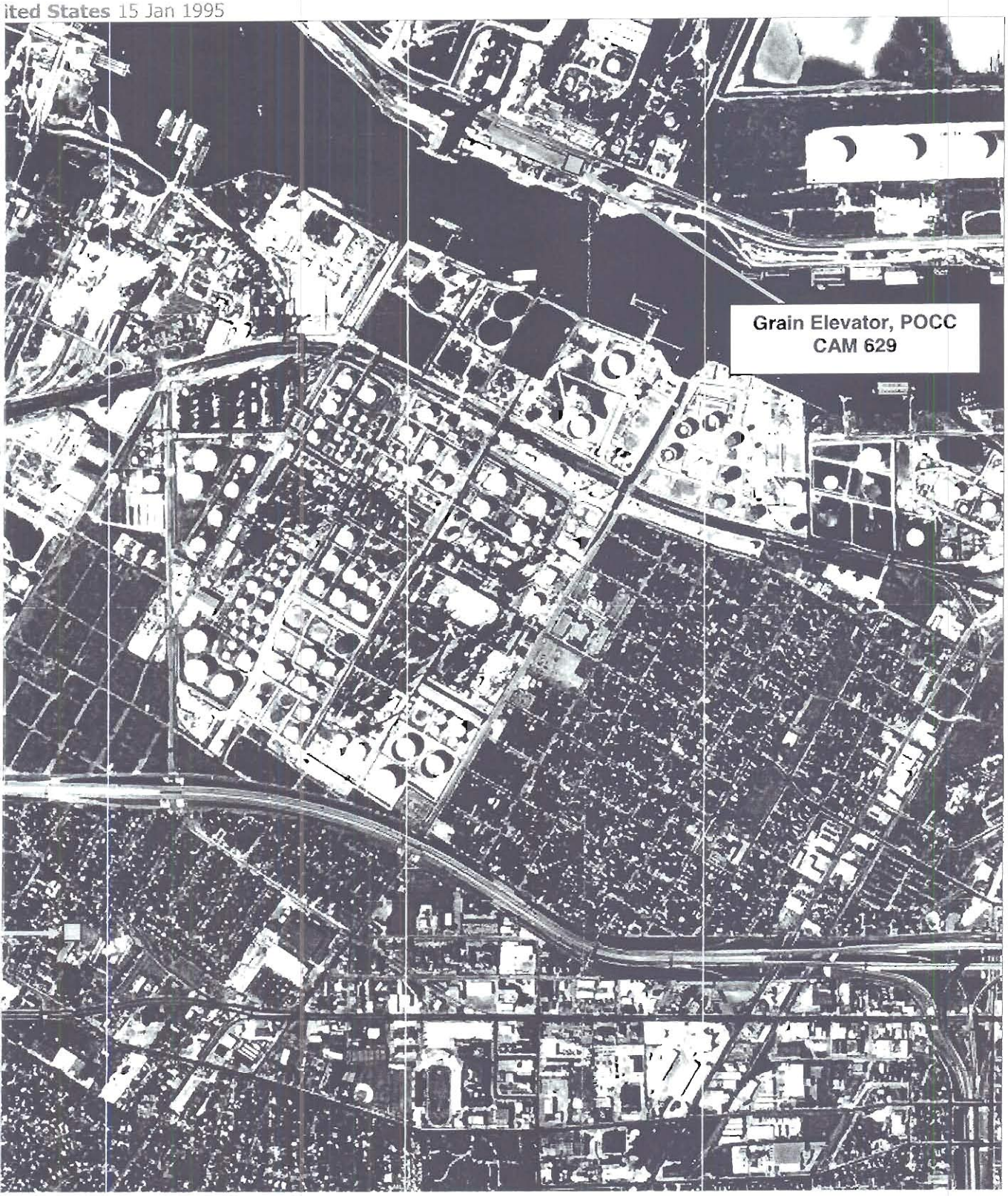

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Geological Survey

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Agenda Item - II Project Overview and Status

A.i. Data on Event Sampling and Trigger Levels

SO_2, H_2S, Auto GC, TNMOC Data from Hydrocarbon Analyzer

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

AIR MONITORING DATA AND INFORMATION

June 15, 2005

Monitoring Network Data

April and May, 2005


1e: Inner Harbor
1f: Off Up River Road
1c: Hailey Site
1g: Solar Estates Park
1d: Dona Park
1b: Grain Elevator
1a: Oak Park Rec Ctr
Up River Rd
Leopard St
Nueces
Frontage Rd
John St
McNorton
Rand Morgan Rd
Stillwell Ln
Main Dr
Sedwick Rd
Bronco Rd
Alpine St
Flour Bluff Junction
Corpus Christi
N Padre Island Dr
Service Rd
Clarkwood
Corpus Christi International Airport
SR-358
N Brownlee Blvd
18th St
David St
Flato Rd
Villa Dr
I-37
H37
Burleson St
Navigation Blvd
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Format for presenting data

- Non-methane organic compounds
- SO_2 and H_2S
- Auto-GC data
- Trajectories and analysis

Concentration distributions of daily maximum NMOC by site, April

Site	1000-2000 ppbC	2000-3000 ppbC	3000+ ppbC
Port Grain Elevator (CAMS 629)	4	0	0
Port Hailey (CAMS 630)	2	0	0
Port Inner Harbor (CAMS 631)	6	0	0
Up River Road (CAMS 632)	18	0	0
Solar Estates (CAMS 633)	0	0	0
Oak Park (CAMS 634)	4	0	0
Dona Park (CAMS 635)	0	0	0

Concentration distributions of daily maximum NMOC by site, May

Site	1000-2000 ppbC	2000-3000 ppbC	3000+ ppbC
Port Grain Elevator (CAMS 629)	1	0	0
Port Hailey (CAMS 630)	1	0	1 (40,000)
Port Inner Harbor (CAMS 631)	5	2	0
Up River Road (CAMS 632)	7	1	9
Solar Estates (CAMS 633)	2	0	0
Oak Park (CAMS 634)	0	0	0
Dona Park (CAMS 635)	0	0	0

Concentration distributions of daily maximum H_2S by site: April, May

Site	2.5 – 5 ppb	5 - 10 ppb	10+ ppb
Port Grain Elevator (CAMS 629)	2, 3	1, 1	2, 0
Port Hailey (CAMS 630)	15, 8	6, 0	2, 0
Port Inner Harbor (CAMS 631)	9, 11	2, 7	0,1
Up River Road (CAMS 632)	3, 2	3, 0	0, 0
Solar Estates (CAMS 633)	0, 1	0, 0	0, 0
Oak Park (CAMS 634)			
Dona Park (CAMS 635)	1, 2	0, 0	0, 0

Concentration distributions of daily maximum SO_2 by site: April, May

Site	10 - 25 ppb	25 - 50 ppb	50+ ppb
Port Grain Elevator (CAMS 629)	3, 4	3, 3	0, 0
Port Hailey (CAMS 630)	2, 1	2, 0	0, 0
Port Inner Harbor (CAMS 631)	4, 8	3, 2	1, 0
Up River Road (CAMS 632)	6, 3	0, 0	0, 0
Solar Estates (CAMS 633)	13, 0	3, 0	1, 2
Oak Park (CAMS 634)			
Dona Park (CAMS 635)	2, 3	2, 0	0, 0

Up River Road and Inner Harbor Sites have greatest frequencies of high NMOC concentrations

- What times of day do these events occur?
- Are these distinct events?
- What are typical wind trajectories?
- What is the composition of the emissions?
- Are high concentrations of other pollutants (H_2S and SO_2) associated with the high NMOC concentrations?

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- Are high concentrations of other pollutants (H_2S and SO_2) associated with the high NMOC concentrations?

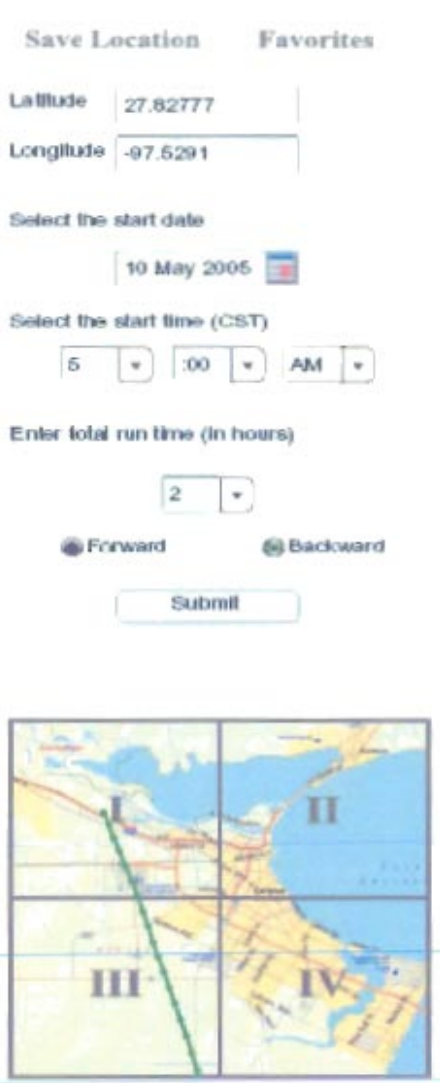
Up River Road and Inner Harbor Sites have greatest frequencies of high NMOC concentrations

- What times of day do these events occur? With only a few exceptions the events occur between 8PM and 6AM
- Are these distinct events? What are typical wind trajectories? Two main trajectory types: winds out of the south and winds out of the east south east (parallel to I-37)
- What is the composition of the emissions?
- Are high concentrations of other pollutants (H_2S and SO_2) associated with the high NMOC concentrations? No correlation apparent

Typical trajectory for high NMOC concentration

Typical trajectory for high NMOC concentration

May 10 trajectory



Sites along the ship channel have greatest frequencies of high H_2S and SO_2 concentrations (except Solar Estates)

- What times of day do these events occur?
  Greater proportion during evening and early morning, but high concentrations are observed at all times of day
- What is the composition of the emissions?
  For Solar Estates, no unusual Auto-GC measurements associated with highest SO_2 concentrations
- What are typical wind trajectories?

Solar Estates – High SO_2, April 15

Save Location Favorites

Latitude 27.82959

Longitude -97.5421

Select the start date

15 Apr 2005

Select the start time (CST)

6 :00 AM

Enter total run time (in hours)

2

Forward Backward

Submit

Solar Estates – High SO_2, May 10

Summary

- Data stream now reliable
- Hydrocarbon and sulfur events are not consistently related
- Some sites exhibit many more events than others
- Data analysis procedures under development

AQSI AIR QUALITY SOLUTIONS, INC.

June 14, 2005

David Allen, Ph.D.
The University of Texas at Austin
CEER, Building 133
10100 Burnet Road
Austin, Texas 78758

Subject: Corpus Christi – Percent Data Return (May 2005)

Dear David:

On the following page is the Corpus Christi percent data return per measurement and per site including the highest and 2nd highest measured value for May 2005. Please contact me directly if you have any questions or need any additional information at 804-2774.

Sincerely,

Rogelio C. Ramon

Rogelio C. Ramon, M.S.E.
President-Air Quality Solutions, Inc.

copy: Vince Torres, Project Manager

Enclosure: May 2005 Percent Data Return

1301 SOUTH IH-35, SUITE 107 • AUSTIN, TEXAS • 78741
PHONE: 512-804-2774 • FAX: 512-804-2775

To: The University of Texas at Austin **From : Air Quality Solutions, Inc.**

Re: Corpus Christi Air Monitoring Project

Percent Data Capture from May 1st, through 31st, 2005'

	P. Grain	Hailey	I. Harbor	F.Hills	Solar	Oak	Dona
	CAMS 629	CAMS 630	CAMS 631	CAMS 632	CAMS 633	CAMS 634	CAMS 635
SO2	99.2	99.2	97.7	99.2	99.1		99.1
H2S	97.4	97.4	92.6	97.4	97.3		97.3
Methane**	94	95	85	93	96	95	91
NMHC	94.1	95.3	85.2	93.5	96.4	95.8	91.8
WS	100	100	99.9	99.7	99.1	99.9	100
WD	100	100	99.9	99.7	99.1	99.9	100
Temp	98	98.1	98.1	98.3	98.1	98.1	100
RH	100	100	100	100	100	100	100

** Estimated data return

MAX	CAMS 629	CAMS 630	CAMS 631	CAMS 632	CAMS 633	CAMS 634	CAMS 635
SO2 (ppb)	29.4	18.2	33.7	13.6	81.7		20
H2S (ppb)	5.3	4.5	13.2	2.9	3.4		3.5
CH4 (ppbC)	3331	3438	2758	8289	2925	3614	3914
NMHC (ppbC)	1043	40343	2257	7139	1375	1385	1562
2nd Highest							
SO2 (ppb)	27.7	8.5	31.5	13.5	59.9		19.7
H2S (ppb)	4.6	4.3	12.9	2.9	3.4		3
CH4 (ppbC)	3139	2778	2690	8287	2861	3249	2699
NMHC (ppbC)	979	7886	2199	7112	1043	919	1504

CAMS 629	MAX	Day/ Time	SH	Day/ Time
SO2	29.4	5/18 9pm	27.7	5/29 7am
H2S	5.3	5/31 5am	4.6	5/31 3am
Methane	3330.64	5/21 2am	3139.35	5/26 3am
NMHC	1042.87	5/14 1am	979.34	5/5 7am

CAMS 630	MAX	Day/ Time	SH	Day/ Time
SO2	18.2	5/23 9am	8.5	5/23 10am
H2S	4.5	5/6 5am	4.3	5/7 6am
Methane	3437.61	5/31 Mid	2777.96	5/30 2am
NMHC	40,342.95	5/27 9pm	7886.08	5/27 8pm

CAMS 631	MAX	Day/ Time	SH	Day/ Time
SO2	33.7	5/12 5am	31.5	5/12 11pm
H2S	13.2	5/15 9pm	12.9	5/15 2am
Methane	2757.78	5/21 10pm	2690.16	5/23 1am
NMHC	2256.65	5/27 11pm	2199.01	5/26 1pm

CAMS 632	MAX	Day/ Time	SH	Day/ Time
SO2	13.6	5/5 7pm	13.5	5/26 4pm
H2S	2.9	5/5 4pm	2.9	5/16 4am
Methane	8289.42	5/26 11pm	8287.15	5/22 3am
NMHC	7139.15	5/26 11pm	7112.24	5/22 3am

CAMS 633	MAX	Day/ Time	SH	Day/ Time
SO2	81.7	5/5 6am	59.9	5/10 8am
H2S	3.4	5/15 5am	3.4	5/15 4am
Methane	2924.64	5/27 10pm	2861.38	5/30 9pm
NMHC	1375.52	5/8 11pm	1043.48	5/6 2am

CAMS 634	MAX	Day/ Time	SH	Day/ Time
NMHC	1385.52	5/27 2am	919.68	5/1 7am

CAMS 635	MAX	Day/ Time	SH	Day/ Time
SO2	20	5/3 2pm	19.7	5/3 Noon
H2S	3.5	5/26 8pm	3	5/16 10pm
Methane	3914.41	5/24 5am	2699	5/14 11pm
NMHC	1562.54	5/17 8am	1504.29	5/16 8am

CAMS 629

Grain Elevator

Site 1.b

June 15, 2005

CAMS 629 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	**67.79**	7.17	2.62	-0.69	-0.13	1.35	3.85	1.36	1.79	-0.87	-2.55	0.49	0.51	3.54	0.89	0.91	-2.30	-2.57	-1.02	1.51	4.13	2.48	4.79	49.58	67.79	49.58	-2.57	6.03	16.26	100.0%	1
2	3.80	4.13	28.44	56.46	75.18	103.45	86.17	100.62	156.16	133.81	152.99	90.36	111.43	36.12	54.68	16.01	56.08	248.54	144.25	0.02	27.52	15.94	306.12	**527.84**	527.84	306.12	0.02	105.67	115.44	100.0%	2
3	565.41	223.34	469.57	**644.58**	183.93	79.95	200.05	421.01	378.22	197.43	191.43	123.05	82.19	13.82	QAS	SPN	SPN	1.38	10.18	3.24	12.86	8.57	7.14	69.86	644.58	565.41	1.38	185.11	193.90	87.5%	3
4	151.32	127.73	48.33	146.32	85.97	126.37	33.26	22.32	139.33	217.70	373.86	90.90	317.95	**501.17**	22.59	10.86	3.50	3.37	52.72	95.67	24.89	36.22	52.71	97.88	501.17	373.86	3.37	115.96	122.34	100.0%	4
5	43.23	175.21	267.43	231.16	213.01	247.95	245.65	274.98	128.33	287.89	114.51	123.33	137.13	93.58	77.38	32.78	19.20	28.59	19.79	14.56	29.43	56.80	163.96	**305.18**	305.18	287.89	14.56	138.79	97.08	100.0%	5
6	374.80	58.18	35.01	95.05	164.52	**375.98**	133.97	144.40	32.24	32.06	6.32	4.21	18.98	19.94	34.68	20.66	194.59	168.40	188.34	233.77	256.00	227.31	173.76	163.96	375.98	374.80	4.21	131.55	108.24	100.0%	6
7	147.03	70.00	32.88	34.33	30.75	91.94	14.16	26.06	51.03	1.23	-0.87	21.45	45.06	7.91	2.42	3.77	-0.31	-0.33	2.06	34.25	88.96	235.66	552.48	**662.35**	662.35	552.48	-0.87	89.76	165.76	100.0%	7
8	749.93	155.59	235.80	335.94	552.95	474.21	286.53	496.91	531.52	566.15	68.52	152.39	290.86	56.16	17.52	10.13	34.83	**844.81**	478.90	29.03	26.42	42.88	8.39	17.80	844.81	749.93	8.39	269.34	253.38	100.0%	8
9	**164.14**	42.87	22.88	22.16	21.57	24.73	27.70	16.35	2.34	6.53	0.10	41.91	6.40	4.59	14.11	2.07	2.37	-0.99	-0.59	13.00	1.23	20.91	9.31	36.32	164.14	42.87	-0.99	20.92	32.59	100.0%	9
10	81.41	45.86	18.61	9.95	40.14	6.93	61.38	38.10	64.55	83.34	72.68	83.73	94.74	**235.45**	QAS	SPN	SPN	7.07	134.58	133.38	30.29	52.99	4.93	11.52	235.45	134.58	4.93	62.46	54.24	87.5%	10
11	40.78	34.68	17.86	108.82	192.94	41.54	28.85	38.12	9.47	13.62	2.40	0.36	-1.04	-0.81	0.44	0.94	2.12	2.11	5.07	113.21	228.29	309.38	**333.74**	200.68	333.74	309.38	-1.04	71.82	101.06	100.0%	11
12	100.44	148.36	481.51	128.85	368.32	660.13	**1169.41**	1057.33	462.50	302.91	250.78	89.32	206.24	71.46	28.18	77.43	50.73	7.70	6.75	3.09	53.13	148.33	137.13	170.92	1169.41	1057.33	3.09	257.54	306.33	100.0%	12
13	300.94	364.70	385.16	1413.38	1222.13	**1856.79**	1211.19	1272.98	380.10	332.46	249.99	75.41	47.74	42.26	60.22	36.32	64.57	8.41	101.05	164.11	249.53	267.92	649.06	688.01	1856.79	1413.38	8.41	476.85	514.10	100.0%	13
14	**776.45**	635.11	370.16	225.48	328.72	317.08	QAS	QAS	QAS	QAS	412.55	186.02	212.57	150.04	105.43	117.82	46.37	22.04	12.24	36.24	20.50	18.26	45.20	48.48	776.45	635.11	12.24	204.34	209.09	83.3%	14
15	42.44	21.75	69.83	61.18	55.14	40.52	51.39	**199.75**	48.64	99.56	194.93	177.28	36.85	70.41	44.60	49.65	89.32	7.57	12.42	113.83	106.05	43.48	4.13	7.65	199.75	194.93	4.13	68.68	54.67	100.0%	15
16	9.76	8.69	9.38	3.77	12.24	12.30	45.09	163.37	111.66	195.61	**480.89**	102.19	37.67	47.80	178.42	89.70	68.89	6.07	3.54	4.06	2.40	1.36	34.23	30.22	480.89	195.61	1.36	69.14	103.58	100.0%	16
17	15.05	5.48	5.35	4.90	8.67	9.51	9.13	29.94	86.10	116.11	147.05	**187.30**	174.24	138.74	QAS	SPN	SPN	-0.44	10.78	4.85	11.93	27.23	15.50	9.11	187.30	174.24	-0.44	48.40	62.03	87.5%	17
18	15.64	10.48	37.36	45.02	15.56	4.49	21.14	13.55	21.86	QAS	QAS	CAL	CAL	CAL	2.86	48.97	29.74	8.19	5.45	13.24	1.52	23.65	35.36	**74.74**	74.74	48.97	1.52	22.57	18.40	79.2%	18
19	53.18	37.34	54.57	49.78	43.47	106.27	41.86	QAS	QAS	126.50	198.75	**526.05**	304.61	152.25	290.89	118.23	37.48	47.03	15.49	5.25	3.47	-0.08	6.69	17.79	526.05	304.61	-0.08	101.68	125.81	91.7%	19
20	10.54	95.41	148.17	108.74	64.06	85.03	47.05	12.71	69.58	101.33	77.17	156.89	80.04	84.45	65.29	**230.18**	110.48	20.87	9.31	3.82	5.61	4.38	11.28	23.57	230.18	156.89	3.82	67.75	56.45	100.0%	20
21	34.70	0.81	12.44	41.27	81.78	97.63	126.38	139.15	78.75	254.28	271.40	**272.41**	262.04	258.35	QAS	QAS	CAL	CAL	1.71	-2.37	1.75	-6.17	-3.44	41.60	272.41	271.40	-6.17	98.22	104.30	83.3%	21
22	1003.73	**1134.40**	905.72	271.74	61.56	135.61	48.60	70.83	21.32	17.66	4.96	-5.48	5.87	11.32	-0.33	8.79	5.18	2.36	4.63	101.70	136.29	137.79	256.89	212.43	1134.40	1003.73	-5.48	189.73	323.67	100.0%	22
23	113.53	**141.57**	47.58	60.35	117.80	100.45	66.55	81.91	44.31	24.31	2.78	2.70	-2.52	-2.68	-6.13	-6.16	-5.33	-0.26	-0.11	8.60	61.47	10.84	64.64	109.53	141.57	117.80	-6.16	43.15	46.58	100.0%	23
24	98.61	114.96	98.40	164.40	82.40	99.85	**168.98**	141.83	5.10	0.24	30.04	25.54	42.64	18.46	QAS	SPN	SPN	22.24	6.06	13.36	6.35	4.73	6.42	9.46	168.98	164.40	0.24	55.24	55.91	87.5%	24
25	9.38	62.64	228.57	59.10	84.22	47.95	47.12	65.68	65.76	32.92	33.50	7.82	141.60	154.03	156.68	113.62	21.55	**794.04**	299.02	63.01	56.17	151.22	93.53	195.96	794.04	299.02	7.82	124.38	156.76	100.0%	25
26	218.46	498.62	**1026.69**	438.14	486.11	117.98	37.18	34.62	60.22	98.11	81.92	90.02	52.81	28.57	31.05	36.23	25.15	19.66	133.51	80.48	42.02	101.86	110.64	41.91	1026.69	498.62	19.66	162.16	228.17	100.0%	26
27	95.56	37.40	27.46	274.21	301.69	256.64	418.40	395.47	462.01	294.02	624.17	**628.33**	407.32	113.69	331.11	158.26	30.17	3.19	8.61	6.58	34.43	156.83	49.62	28.97	628.33	624.17	3.19	214.34	193.66	100.0%	27
28	117.09	**134.03**	102.51	90.73	115.38	113.04	129.61	104.88	107.79	104.43	126.51	96.56	101.55	118.21	46.83	57.37	30.60	39.13	35.66	76.33	93.46	76.17	59.05	94.34	134.03	129.61	30.60	90.47	30.27	100.0%	28
29	118.31	63.06	115.70	121.78	117.80	102.61	88.55	123.59	152.13	184.63	**235.20**	186.04	61.78	111.45	QAS	23.22	10.89	7.00	4.45	7.72	5.65	1.22	2.97	-1.02	235.20	186.04	-1.02	80.21	69.15	95.8%	29
30	2.36	5.44	30.29	137.53	114.75	101.57	54.71	24.24	30.11	27.38	11.80	9.03	6.45	10.35	-0.55	-0.13	7.68	13.44	24.31	39.24	58.64	126.31	129.29	**202.13**	202.13	137.53	-0.55	48.60	54.62	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 629 Total Non-Methane Organic Compounds Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
1856.79 ppb-C	1413.38 ppb-C	-6.17 ppb-C	121.73 ppb-C	197.10	96.1%
April 13 5:00 am	April 13 3:00 am	April 21 9:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical st collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 1, 2005

Texas Natural Resource Conservation Commission

CAMS 629 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	113.01	167.85	212.55	232.30	183.66	99.67	180.46	206.88	106.92	71.53	65.04	25.62	18.00	58.54	QAS	SPN	SPN	61.14	92.67	34.87	67.85	33.26	38.31	27.85	232.30	212.55	18.00	99.90	67.68	87.5%	1
2	43.34	15.36	24.96	8.35	42.54	57.50	10.27	4.86	9.02	4.91	12.43	5.30	11.23	-0.18	4.94	0.83	-1.84	41.21	69.84	66.46	5.87	0.80	4.78	59.23	69.84	66.46	-1.84	20.92	22.87	100.0%	2
3	17.45	22.71	7.43	44.76	45.58	55.73	6.42	124.19	103.88	14.14	40.05	24.60	3.04	7.64	17.00	12.72	5.43	46.88	21.19	11.78	24.89	74.69	79.88	41.38	124.19	103.88	3.04	35.56	31.62	100.0%	3
4	15.78	3.69	1.56	22.70	6.30	12.49	19.11	25.15	27.88	63.26	87.09	43.22	28.39	55.83	76.58	157.30	53.03	175.35	309.94	873.17	755.63	474.18	272.32	83.06	873.17	755.63	1.56	151.79	229.74	100.0%	4
5	-1.71	5.02	17.95	1.56	29.21	12.80	36.49	979.34	323.86	48.79	56.63	4.11	6.53	6.63	28.32	20.28	1.04	-0.68	-1.54	0.26	-0.70	0.10	0.20	-1.19	979.34	323.86	-1.71	65.56	201.09	100.0%	5
6	4.44	20.54	6.65	13.91	41.35	35.05	31.33	33.54	207.26	229.78	121.98	179.74	176.30	103.53	103.57	39.91	1.20	2.19	0.23	-0.65	3.58	-0.83	-2.62	1.85	229.78	207.26	-2.62	56.41	72.59	100.0%	6
7	1.58	9.34	3.09	-0.10	-3.71	-1.35	-1.90	-1.74	3.44	-1.82	3.44	-3.43	-3.46	1.89	18.51	4.22	-1.48	-1.95	-2.23	-1.93	-1.87	4.11	12.33	6.92	18.51	12.33	-3.71	1.75	5.39	100.0%	7
8	20.02	37.66	42.70	1.02	-1.35	13.06	15.44	-1.64	-3.02	-3.22	12.40	7.51	11.41	31.20	QAS	SPN	SPN	16.56	40.98	193.13	8.17	7.05	17.47	146.22	193.13	146.22	-3.22	29.18	48.09	87.5%	8
9	69.22	103.75	59.97	11.67	31.98	67.30	211.93	232.73	268.39	213.28	293.41	205.07	228.79	31.93	18.98	23.97	0.41	1.95	-1.07	2.26	2.65	2.06	5.15	0.73	293.41	268.39	-1.07	86.94	100.53	100.0%	9
10	6.58	7.70	57.15	58.51	65.35	53.77	30.89	3.90	87.66	62.96	198.52	370.74	392.29	312.10	141.12	56.25	9.96	1.46	6.73	7.52	-0.15	1.67	-0.58	16.44	392.29	370.74	-0.58	81.19	115.48	100.0%	10
11	1.53	3.96	1.06	1.84	6.00	6.01	11.94	14.77	56.76	58.79	71.10	81.83	141.46	8.11	3.25	3.66	2.81	4.36	-0.42	3.41	4.14	14.69	23.23	3.30	141.46	81.83	-0.42	21.98	34.28	100.0%	11
12	-1.17	1.62	-0.03	0.34	2.60	1.09	5.17	8.11	3.59	9.24	4.31	49.10	22.78	69.92	74.41	43.22	16.12	134.94	3.88	4.86	21.32	12.79	3.09	0.73	134.94	74.41	-1.17	20.50	31.95	100.0%	12
13	6.42	2.03	6.08	96.31	28.65	2.73	1.74	10.50	60.33	15.05	138.29	156.36	162.34	120.47	90.26	14.41	2.71	2.57	2.88	2.71	0.47	-0.97	1.24	64.36	162.34	156.36	-0.97	41.16	54.19	100.0%	13
14	423.79	1042.87	133.92	58.36	54.38	44.12	51.28	277.77	59.57	27.75	47.01	395.60	158.26	131.32	145.33	22.68	0.11	0.44	0.57	5.69	7.04	5.62	75.73	105.91	1042.87	423.79	0.11	136.46	220.82	100.0%	14
15	90.19	191.80	234.47	368.30	409.12	296.13	276.63	203.12	166.99	162.81	98.92	379.64	240.87	100.42	QAS	SPN	30.69	5.15	2.45	2.88	31.13	39.00	32.58	156.29	409.12	379.64	2.45	159.98	126.26	91.7%	15
16	165.05	112.84	153.40	215.97	208.26	120.63	116.39	295.25	85.63	308.18	296.55	94.29	171.34	71.67	91.74	6.45	27.36	63.73	32.19	87.77	14.79	24.83	122.20	37.48	308.18	296.55	6.45	121.83	87.88	100.0%	16
17	142.89	104.61	62.98	7.96	11.86	107.66	103.21	20.83	53.00	129.29	157.84	127.24	81.53	-0.07	2.11	-0.02	-1.59	-2.73	-2.47	-0.29	0.26	1.35	-0.20	0.23	157.84	142.89	-2.73	46.15	55.68	100.0%	17
18	-1.62	-1.98	-0.86	0.41	1.62	0.07	-2.40	-1.97	-2.13	-0.20	3.04	5.44	3.09	0.71	-1.61	-0.88	-0.67	0.65	0.91	2.21	-2.44	-2.73	-0.96	0.76	5.44	3.09	-2.73	-0.06	2.02	100.0%	18
19	1.85	-0.03	4.89	-2.71	-0.16	3.77	1.95	8.84	10.15	5.13	-0.91	-2.54	-1.12	QAS	QAS	QAS	CAL	CAL	-20.84	37.22	70.72	200.24	68.48	104.21	200.24	104.21	-20.84	25.74	51.37	79.2%	19
20	-29.78	-23.82	39.45	82.63	190.56	133.25	160.04	1.49	54.34	92.30	105.70	200.24	122.08	129.52	32.75	-3.72	50.62	78.16	194.28	142.18	118.36	48.38	52.11	196.52	200.24	196.52	-29.78	90.32	68.79	100.0%	20
21	178.65	323.81	186.10	QAS	QAS	CAL	CAL	CAL	148.84	223.26	191.06	216.10	180.32	88.73	49.37	43.65	80.14	92.31	201.07	228.27	78.71	60.82	49.37	144.54	323.81	228.27	43.65	145.53	75.96	79.2%	21
22	294.10	399.29	321.29	285.51	343.47	412.17	656.89	691.24	458.68	294.81	82.29	0.00	38.64	96.60	QAS	SPN	SPN	-200.36	-234.71	-180.32	-125.22	-92.31	-47.23	-74.42	691.24	656.89	-234.71	162.88	271.27	87.5%	22
23	-176.03	-212.52	-188.19	-125.22	-57.25	78.00	68.69	-108.05	-136.67	QAS	QAS	QAS	QAS	CAL	CAL	-7.80	30.35	82.38	218.96	216.79	166.21	-0.72	3.61	52.75	218.96	216.79	-212.52	-5.26	130.03	75.0%	23
24	119.96	190.05	117.79	145.25	253.65	190.05	189.33	46.97	QAS	QAS	QAS	QAS	CAL	CAL	-14.12	30.80	67.61	180.29	75.12	111.93	-7.51	7.51	48.07	132.21	253.65	190.05	-14.12	104.72	75.61	75.0%	24
25	256.16	204.32	253.15	75.12	55.59	164.51	177.28	211.84	QAS	QAS	QAS	QAS	QAS	CAL	CAL	CAL	16.89	-56.57	-59.95	-21.11	-1.69	59.10	-2.53	13.51	256.16	253.15	-59.95	84.10	106.53	66.7%	25
26	21.95	39.68	164.65	292.14	119.05	43.91	178.16	0.85	-37.99	-10.97	-3.37	62.48	10.98	9.29	-40.52	-37.15	-1.69	26.18	65.02	55.73	8.45	-27.02	38.00	40.53	292.14	178.16	-40.52	42.43	76.31	100.0%	26
27	222.91	294.68	314.94	100.48	175.62	69.24	82.75	205.18	159.58	344.49	40.53	83.59	-16.88	21.11	65.02	48.13	22.80	-21.11	-55.72	-18.57	-1.69	53.20	38.84	92.88	344.49	314.94	-55.72	96.75	108.62	100.0%	27
28	32.09	32.09	-43.06	-5.06	43.06	121.59	109.77	47.29	25.33	65.86	7.60	51.51	16.89	-32.08	-49.81	-42.21	-4.22	20.27	45.60	79.37	-43.06	-55.72	-41.37	42.22	121.59	109.77	-55.72	17.66	49.12	100.0%	28
29	137.63	93.72	19.42	-48.97	-60.79	-43.90	9.29	138.47	175.62	550.51	61.64	20.27	108.92	331.83	QAS	SPN	SPN	-73.46	87.81	126.65	120.74	79.37	216.15	227.13	550.51	331.83	-73.46	108.48	140.86	87.5%	29
30	286.23	312.40	253.30	199.26	383.33	-29.55	199.26	-8.44	-97.10	-96.25	-82.75	-15.20	-72.61	-53.19	-128.34	-126.65	-96.25	-48.97	6.75	36.31	-46.44	-13.51	292.14	294.67	383.33	312.40	-128.34	56.18	164.46	100.0%	30

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
31	243.17	[illegible]	375.73	342.80	240.63	311.56	194.20	281.16	298.05	300.58	-21.11	-85.28	-112.30	-76.83	-37.9[illegible]6		-48.97	-128.34	-129.18	-92.03	-53.19	248.23	-63.33	59.95	478.74	375.73	-129.18	103.47	[illegible]	00.0%	31

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 629 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
1042.87 ppb-C	979.34 ppb-C	-234.71 ppb-C	70.57 ppb-C	128.29	94.1%
May 14 1:00 am	May 5 7:00 am	May 22 6:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 7, 2005

Texas Natural Resource Conservation Commission

CAMS 629 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.19	100.0%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.1	0.2	0.4	0.1	SPN	0.4	0.0	0.0	0.0	1.2	0.4	0.0	0.1	0.25	95.8%	2
3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.3	0.0	0.2	0.54	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.04	100.0%	5
6	2.7	2.1	0.5	0.8	1.4	2.9	2.0	0.8	0.8	0.0	0.0	0.6	1.0	0.2	0.0	2.3	1.3	2.9	17.2	30.3	2.3	23.0	3.4	1.3	30.3	23.0	0.0	4.2	7.61	100.0%	6
7	0.8	0.3	0.0	0.0	0.0	1.0	0.0	0.0	0.5	0.0	0.0	2.2	5.6	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.9	1.3	1.2	5.6	2.2	0.0	0.6	1.18	100.0%	7
8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.0	2.5	3.7	3.6	2.6	3.8	3.7	2.2	2.5	12.3	13.8	12.5	10.7	1.4	13.8	12.5	0.0	3.5	4.26	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.5	0.1	0.1	0.0	0.5	0.1	0.0	0.0	0.10	95.8%	9
10	0.0	0.5	0.2	0.1	0.0	0.0	0.1	0.8	0.6	0.0	0.1	0.0	0.4	0.2	0.2	0.2	0.3	0.1	0.0	0.1	0.4	0.4	0.5	0.7	0.8	0.7	0.0	0.2	0.24	100.0%	10
11	0.7	0.8	0.9	0.8	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.9	0.8	0.0	0.2	0.31	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	3.0	3.0	1.7	2.1	3.2	2.7	1.9	1.4	1.5	1.1	0.7	0.7	1.5	0.7	3.2	3.0	0.0	1.1	1.09	100.0%	12
13	0.6	0.5	0.5	2.8	3.5	3.4	3.3	5.1	3.9	6.0	4.4	5.2	4.0	2.5	2.6	3.2	2.5	1.7	1.3	1.8	2.2	1.9	9.5	9.8	9.8	9.5	0.5	3.4	2.36	100.0%	13
14	16.8	10.1	5.3	3.5	2.7	2.1	QAS	QAS	QAS	QAS	2.6	0.8	1.1	2.6	1.3	1.1	1.2	1.0	1.7	1.2	1.9	1.5	1.3	1.1	16.8	10.1	0.8	3.0	3.78	83.3%	14
15	1.3	1.8	1.1	0.9	1.2	1.7	3.2	2.7	0.7	1.7	1.2	0.7	2.7	0.6	0.4	0.4	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.1	3.2	2.7	0.0	1.0	0.86	100.0%	15
16	0.3	0.4	0.3	0.0	0.0	0.2	0.5	0.4	0.9	0.8	0.4	0.2	1.6	0.0	2.1	0.1	0.1	0.0	0.0	SPN	0.5	2.2	38.2	36.5	38.2	36.5	0.0	3.7	10.39	95.8%	16
17	39.6	35.8	33.0	24.3	37.8	37.0	36.3	27.6	16.6	21.1	4.3	0.7	0.6	0.1	12.2	0.4	0.0	0.0	0.0	0.0	8.2	7.2	14.9	2.0	39.6	37.8	0.0	15.0	14.78	100.0%	17
18	0.8	0.5	0.1	0.2	0.3	0.5	0.9	1.4	1.7	1.6	1.0	2.1	2.1	2.6	2.5	1.7	0.4	3.1	2.4	CAL	CAL	CAL	1.6	0.7	3.1	2.6	0.1	1.3	0.87	87.5%	18
19	0.5	1.1	6.2	2.0	2.5	11.2	18.9	1.5	16.0	22.7	13.9	8.5	8.4	10.8	6.9	3.7	7.3	3.7	2.2	1.3	2.7	0.9	0.5	0.4	22.7	18.9	0.4	6.4	6.18	100.0%	19
20	0.2	0.4	0.3	0.5	0.5	0.5	1.0	0.5	0.5	0.6	0.7	0.7	0.5	0.4	0.2	0.2	0.0	0.0	0.2	CAL	CAL	0.4	0.1	0.2	1.0	0.7	0.0	0.4	0.23	91.7%	20
21	0.8	0.4	0.5	0.6	0.5	0.6	0.9	0.7	0.5	1.3	0.8	0.8	0.9	0.1	0.1	0.2	0.5	0.3	0.1	0.3	0.3	0.3	0.2	0.0	1.3	0.9	0.0	0.5	0.32	100.0%	21
22	0.1	0.2	0.3	0.0	0.3	0.5	0.5	0.4	0.6	0.3	0.3	0.5	0.8	1.1	0.8	1.0	1.1	1.3	1.1	1.0	1.1	1.1	1.0	0.5	1.3	1.1	0.0	0.7	0.37	100.0%	22
23	0.7	0.6	1.6	2.2	0.8	0.6	0.6	0.8	0.3	0.8	0.3	0.2	0.4	0.0	0.7	1.0	1.1	0.9	0.9	SPN	0.1	0.0	0.1	0.2	2.2	1.6	0.0	0.6	0.52	95.8%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.4		0.0	0.0	0.0	0.0	1.0	2.6	2.4	1.0	0.8	0.6	0.8	0.6	0.-		0.6	0.5	1.0	3.6	1.2	0.4	0.5	0.7	3.6	2.6	0.0	0.8	0.8	0%	24
25	0.2	0.4	1.1	0.5	0.3	0.5	0.3	0.4	0.4	0.2	0.6	0.4	0.1	0.2	0.0	0.0	0.0	0.1	0.4	0.2	0.5	0.6	0.3	0.2	1.1	0.6	0.0	0.3	0.24	100.0%	25
26	0.2	0.5	2.4	4.3	4.0	3.5	1.9	1.6	1.4	0.6	0.5	0.4	0.5	0.5	0.7	0.8	0.8	0.7	1.0	0.9	1.3	0.8	0.7	0.6	4.3	4.0	0.2	1.3	1.14	100.0%	26
27	0.5	0.5	0.4	0.5	0.6	1.0	1.2	1.3	1.3	2.2	3.6	2.1	1.3	1.6	1.1	1.1	0.9	0.6	0.5	0.5	0.6	0.3	0.2	0.3	3.6	2.2	0.2	1.0	0.76	100.0%	27
28	0.4	0.4	0.6	0.6	0.1	0.1	0.6	0.2	0.1	0.0	0.0	0.0	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.3	0.0	0.1	0.0	0.6	0.6	0.0	0.2	0.19	100.0%	28
29	0.0	0.1	0.1	0.3	0.2	0.2	0.4	0.4	0.7	0.6	0.9	1.3	1.0	1.2	QAS	0.2	0.2	0.2	0.2	0.1	0.4	0.1	0.0	0.0	1.3	1.2	0.0	0.4	0.38	95.8%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.1	0.1	0.1	0.2	0.4	0.2	0.0	0.0	0.09	95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 629 Sulfur Dioxide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
39.6 ppb	38.2 ppb	0.0 ppb	1.69 ppb	4.94	97.9%
April 17 Mid	April 16 10:00 pm	April 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 629 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	1.3	0.6	0.2	1.1	0.4	0.4	0.1	0.1	1.3	1.2	0.0	0.3	0.42	100.0%	1
2	0.0	0.0	0.0	0.1	2.6	1.9	0.2	0.8	0.8	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	0.0	0.3	0.63	100.0%	2
3	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.9	1.7	2.0	1.3	1.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	2.0	1.7	0.0	0.4	0.62	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.04	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.4	0.2	0.3	0.4	0.3	0.4	0.4	0.4	0.0	0.1	0.15	100.0%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.09	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.02	100.0%	8
9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.2	0.4	0.4	0.4	0.4	0.5	0.3	0.2	0.1	0.5	0.5	0.0	0.3	0.17	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.5	0.3	0.9	9.5	9.5	0.9	0.0	0.6	1.86	100.0%	10
11	16.6	24.1	22.4	24.6	12.8	1.3	1.9	5.9	7.2	5.6	6.7	2.8	3.5	9.3	13.1	11.7	4.9	4.8	1.6	0.6	1.2	0.5	0.3	0.2	24.6	24.1	0.2	7.7	7.53	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.4	0.7	0.3	0.2	0.2	0.7	0.4	0.0	0.1	0.20	100.0%	12
13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.2	0.1	0.2	0.5	0.4	0.0	0.2	0.13	100.0%	13
14	0.5	1.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.4	0.5	0.5	SPN	0.0	0.0	0.0	0.0	1.1	0.5	0.0	0.2	0.23	95.8%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.5	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.5	0.5	0.0	0.1	0.16	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	0.1	0.2	0.0	0.0	0.5	0.3	0.0	0.0	7.4	8.2	15.3	15.1	4.4	1.3	0.6	15.3	15.1	0.0	2.3	4.46	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	29.4	22.7	22.3	29.4	22.7	0.0	3.4	8.59	91.7%	18
19	17.9	13.0	4.2	1.3	1.1	0.8	1.5	5.2	5.0	5.8	2.0	2.3	2.7	1.9	1.6	0.9	1.0	1.4	0.9	0.6	0.8	0.2	0.0	0.0	17.9	13.0	0.0	3.0	4.14	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.4	0.1	0.1	0.0	0.4	0.4	0.0	0.1	0.16	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.4	5.4	7.4	2.2	2.2	3.8	2.1	3.1	1.8	3.1	5.0	2.9	2.1	1.2	SPN	0.4	0.0	0.0	0.1	7.4	5.4	0.0	1.9	2.01	95.8%	21
22	0.2	0.4	0.4	0.3	1.3	7.2	4.6	14.1	9.7	6.7	3.5	1.9	1.3	1.6	1.1	0.9	0.8	0.6	0.3	0.1	0.4	0.0	0.0	0.0	14.1	9.7	0.0	2.4	3.53	100.0%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.0		0.0	0.0	0.0	0.4	0.7	0.5	0.8	2.0	**2.8**	1.6	0.5	0.2	0.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.0	0.0	0.4	0.7	.0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	**0.5**	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.13	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.3**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.06	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	**7.0**	1.2	0.3	7.0	4.9	0.0	0.6	1.66	100.0%	27
28	0.0	0.0	2.8	9.2	7.0	0.1	0.0	0.0	0.0	0.1	3.3	0.0	0.1	1.0	2.0	0.0	1.4	0.1	0.8	SPN	3.1	4.5	**25.5**	22.1	25.5	22.1	0.0	3.6	6.69	95.8%	28
29	1.6	0.7	0.2	0.0	0.0	0.0	15.5	**27.7**	12.2	19.2	6.9	1.4	0.8	4.2	4.0	2.2	0.8	0.2	1.5	2.8	5.4	3.1	2.3	3.1	27.7	19.2	0.0	4.8	6.84	100.0%	29
30	4.4	**5.2**	5.2	2.6	3.4	1.6	0.8	0.5	0.3	0.1	0.2	0.1	0.0	0.0	0.1	0.3	0.4	0.5	0.4	0.4	0.7	0.4	1.2	2.2	5.2	5.2	0.0	1.3	1.62	100.0%	30
31	2.5	3.4	**6.1**	3.9	2.7	2.6	2.3	2.6	3.0	3.2	5.4	4.0	2.9	1.7	1.5	1.4	1.3	1.2	1.0	0.8	1.2	0.9	0.5	0.6	6.1	5.4	0.5	2.4	1.44	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 629 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
29.4 ppb	27.7 ppb	0.0 ppb	1.17 ppb	3.49	99.2%
May 18 9:00 pm	May 29 7:00 am	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 629 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.6	0.7	0.7	0.6	0.5	0.6	0.7	0.5	0.4	0.5	0.3	0.4	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.7	0.7	0.2	0.4	0.16	100.0%	1
2	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.3	0.4	0.5	0.5	0.5	0.7	0.8	0.9	0.7	0.6	0.6	1.0	0.7	1.0	0.9	0.1	0.5	0.23	100.0%	2
3	1.9	3.4	6.6	10.0	1.0	0.8	SPN	SPN	SPN	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.1	10.0	6.6	0.1	1.3	2.45	87.5%	3
4	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.1	0.09	100.0%	4
5	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.5	0.5	0.4	0.9	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.1	0.5	1.6	1.6	0.9	0.0	0.3	0.34	100.0%	5
6	2.2	0.6	0.5	0.7	1.1	2.8	1.1	0.7	0.3	0.0	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.5	0.7	0.9	1.1	0.9	0.8	2.8	2.2	0.0	0.7	0.65	100.0%	6
7	0.8	0.4	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.7	0.8	0.7	0.0	0.2	0.23	100.0%	7
8	0.6	0.4	0.2	0.3	0.2	0.2	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.6	0.4	0.1	0.3	0.14	100.0%	8
9	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.3	0.2	0.0	0.1	0.08	100.0%	9
10	0.1	0.1	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.3	0.6	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.6	0.3	0.0	0.2	0.13	87.5%	10
11	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.2	0.3	0.5	0.5	0.0	0.2	0.18	100.0%	11
12	0.2	0.3	0.3	0.3	0.3	0.6	0.8	0.6	0.3	0.1	0.3	0.2	0.2	0.3	0.4	0.3	0.4	0.4	0.5	0.7	0.6	0.5	0.8	0.9	0.9	0.8	0.1	0.4	0.21	100.0%	12
13	0.8	0.8	1.8	5.7	8.2	13.6	10.1	7.9	1.7	1.9	1.4	1.5	1.6	1.6	1.5	1.7	1.9	1.9	1.4	1.7	1.8	4.4	5.8	8.4	13.6	10.1	0.8	3.7	3.43	100.0%	13
14	9.0	6.2	2.2	1.7	1.4	1.5	QAS	QAS	QAS	QAS	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.7	0.8	0.9	0.6	0.5	0.5	9.0	6.2	0.4	1.5	2.15	83.3%	14
15	0.7	0.7	0.4	0.5	0.5	0.5	0.3	0.3	0.1	0.3	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.3	0.2	0.3	0.4	0.0	0.3	0.7	0.7	0.0	0.3	0.21	100.0%	15
16	0.3	0.4	0.4	0.2	0.2	0.3	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.2	0.3	0.2	0.4	0.4	0.0	0.2	0.14	100.0%	16
17	0.3	0.3	0.1	0.3	0.2	0.4	SPN	SPN	SPN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.2	0.4	0.4	0.1	0.3	0.08	87.5%	17
18	0.4	0.3	0.2	0.4	0.5	0.3	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.1	CAL	CAL	CAL	CAL	CAL	0.7	0.6	0.5	0.6	0.5	0.7	0.6	0.0	0.3	0.23	79.2%	18
19	0.5	0.4	0.6	0.4	0.4	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.6	0.5	0.0	0.2	0.17	100.0%	19
20	0.3	0.4	0.2	0.4	0.3	0.3	0.4	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.0	0.2	0.11	100.0%	20
21	0.4	0.3	0.4	0.4	0.3	0.3	CAL	CAL	CAL	CAL	0.7	1.4	1.2	1.1	0.8	0.6	0.5	0.5	0.4	0.6	0.4	0.6	0.5	0.4	1.4	1.2	0.3	0.6	0.31	83.3%	21
22	0.4	0.4	1.0	0.5	0.6	0.6	0.5	0.5	0.6	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.8	1.1	0.9	1.1	1.0	0.2	0.5	0.24	100.0%	22
23	1.1	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	1.1	0.5	0.0	0.3	0.22	100.0%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.3		0.3	0.3	0.2	0.2	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.0	0.(	)	0.0	0.1	0.1	0.5	**0.5**	0.1	0.2	0.2	0.5	0.5	0.0	0.2	0.1	5%	24
25	0.0	0.1	**0.4**	0.4	0.2	0.1	0.2	0.2	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.3	0.0	0.3	0.4	0.0	0.2	0.2	0.2	0.4	0.4	0.4	0.0	0.2	0.14	100.0%	25
26	1.4	3.9	**5.1**	4.7	3.9	1.9	1.0	1.0	0.4	0.3	0.2	0.2	0.3	0.4	0.4	0.2	0.2	0.3	0.4	0.3	0.2	0.2	0.2	0.3	5.1	4.7	0.2	1.1	1.52	100.0%	26
27	0.3	0.3	0.4	**2.8**	1.4	0.4	2.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	2.1	0.1	0.4	0.68	100.0%	27
28	0.1	0.3	**0.6**	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.6	0.5	0.0	0.1	0.13	100.0%	28
29	0.1	0.0	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.5	**0.8**	0.8	0.3	0.3	QAS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.8	0.8	0.0	0.3	0.18	95.8%	29
30	0.1	0.2	0.2	0.1	0.1	0.1	0.3	**0.4**	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.4	0.4	0.0	0.2	0.10	100.0%	30

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 629 Hydrogen Sulfide Monthly Statistics for April 2005

Max	SH	Min	Avg	STD	Cap
13.6 ppb	10.1 ppb	0.0 ppb	0.50 ppb	1.16	96.4%
April 13 5:00 am	April 13 6:00 am	April 4 9:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 629 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.2	0.2	0.1	0.0	0.0	0.0	SPN	SPN	SPN	0.2	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.07	87.5%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.7	1.2	1.2	1.0	0.6	0.4	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.1	1.2	1.2	0.0	0.3	0.40	87.5%	8
9	0.1	0.2	0.1	0.1	0.2	0.3	1.0	1.3	0.7	0.8	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.3	1.0	0.1	0.4	0.30	100.0%	9
10	0.1	0.1	0.1	0.2	0.3	0.4	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.2	0.07	100.0%	10
11	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.1	0.05	100.0%	11
12	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.0	0.2	0.2	0.0	0.1	0.05	100.0%	12
13	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.04	100.0%	13
14	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.5	0.4	0.5	0.4	0.0	0.1	0.12	100.0%	14
15	0.3	0.3	0.6	0.6	0.4	0.4	SPN	SPN	SPN	0.5	0.8	0.9	0.9	0.8	0.5	0.4	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.9	0.9	0.0	0.4	0.28	87.5%	15
16	0.0	0.0	0.9	1.9	1.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.1	0.0	0.2	0.46	100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.05	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	18
19	0.0	0.1	0.0	0.0	0.1	0.1	CAL	CAL	CAL	CAL	0.7	1.8	1.6	1.4	0.9	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	1.8	1.6	0.0	0.4	0.55	83.3%	19
20	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.0	0.1	0.09	100.0%	20
21	0.3	0.2	0.3	0.2	0.4	3.2	3.9	3.3	2.1	1.4	1.2	0.8	0.9	0.6	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.7	3.9	3.3	0.2	1.0	1.01	100.0%	21
22	1.2	1.2	0.9	0.8	2.3	3.4	SPN	SPN	SPN	1.6	1.1	1.2	1.1	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.3	0.0	0.8	0.87	87.5%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.0		0.0	0.0	0.2	1.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	0.0	0.1	0.21	0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	25
26	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.12	100.0%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.7	1.3	1.6	1.3	0.8	0.6	0.6	0.6	0.5	0.8	0.8	1.4	1.3	1.9	1.9	1.9	1.9	0.0	0.8	0.63	87.5%	29
30	3.0	3.3	2.2	1.5	3.0	0.9	1.0	0.9	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.6	1.2	1.7	3.3	3.0	0.2	1.0	0.94	100.0%	30
31	1.7	3.2	2.8	4.6	2.9	5.3	3.1	2.3	1.8	2.8	1.3	1.1	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.7	5.3	4.6	0.6	1.7	1.33	100.0%	31

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 629 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
5.3 ppb	4.6 ppb	0.0 ppb	0.24 ppb	0.59	97.4%
May 31 5:00 am	May 31 3:00 am	May 1 3:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

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Last Modified: June 10, 2005

NOT AN AUTO GC SITE

CAMS 630

J.I. Hailey

Site 1.c

June 15, 2005

Texas Natural Resource Conservation Commission

CAMS 630 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	70.57	38.38	5.82	0.02	-1.92	0.76	1.49	10.17	13.72	13.84	7.25	3.28	1.77	-0.34	2.10	5.14	4.13	1.19	2.80	2.10	-2.12	2.75	3.50	13.48	70.57	38.38	-2.12	8.33	15.34	100.0%	1
2	23.25	54.46	29.00	62.90	72.93	117.61	132.29	128.42	133.16	119.15	1.85	60.21	48.45	12.70	8.05	31.72	27.95	76.36	235.84	295.07	321.03	433.12	370.88	313.56	433.12	370.88	1.85	129.58	124.74	100.0%	2
3	392.47	353.36	416.66	293.98	519.43	328.54	300.28	284.96	284.52	189.91	135.74	135.11	163.16	160.84	QAS	SPN	SPN	237.62	324.78	330.91	278.09	215.11	296.32	304.34	519.43	416.66	135.11	283.15	94.13	87.5%	3
4	403.64	351.17	257.66	464.67	302.61	322.86	215.79	386.42	233.67	379.12	345.41	241.32	311.05	293.18	278.77	391.38	375.57	376.95	316.87	245.35	257.86	272.79	245.91	319.50	464.67	403.64	215.79	316.23	63.54	100.0%	4
5	268.29	260.46	302.69	322.81	334.95	333.88	331.73	357.59	192.39	135.60	180.16	172.74	240.14	243.63	258.88	227.93	231.32	261.36	212.08	249.31	258.22	329.59	289.06	141.21	357.59	334.95	135.60	255.67	61.20	100.0%	5
6	174.61	56.38	89.52	134.37	205.73	316.84	125.25	160.48	72.11	60.84	8.83	4.33	17.80	3.85	9.17	21.29	13.38	12.11	384.04	392.11	131.82	560.13	128.66	110.00	560.13	392.11	3.85	133.07	142.90	100.0%	6
7	117.86	97.99	107.76	77.33	61.86	99.96	46.93	51.15	57.27	7.84	4.60	14.26	25.66	6.88	11.55	24.69	13.97	8.47	15.54	50.58	89.18	65.80	108.17	680.59	680.59	117.86	4.60	76.91	131.18	100.0%	7
8	163.47	155.20	142.70	196.96	269.53	366.30	208.71	359.51	500.14	400.12	109.01	101.98	107.54	62.18	59.53	54.76	64.90	139.10	112.80	507.83	471.56	505.00	243.57	285.22	507.83	505.00	54.76	232.82	152.13	100.0%	8
9	290.19	283.23	223.32	208.64	227.15	188.38	259.05	337.72	256.84	251.34	333.56	419.87	250.12	93.97	144.77	131.12	131.82	235.13	478.81	572.22	372.65	241.17	349.37	315.78	572.22	478.81	93.97	274.84	109.46	100.0%	9
10	296.53	452.39	588.23	900.79	223.99	695.26	193.61	226.33	254.79	400.11	472.24	727.96	203.83	163.02	QAS	SPN	SPN	104.39	70.27	76.65	116.08	124.13	136.93	135.35	900.79	727.96	70.27	309.66	236.68	87.5%	10
11	16.62	61.52	19.38	406.22	227.67	87.09	71.96	62.88	51.45	34.11	12.96	-2.07	-1.58	1.43	-1.83	-3.72	-0.83	3.55	18.12	132.19	224.65	357.23	207.77	211.85	406.22	357.23	-3.72	91.61	116.29	100.0%	11
12	256.73	285.52	326.70	140.12	387.78	310.88	538.68	836.59	348.67	420.28	224.26	139.34	265.27	82.32	153.25	73.54	77.80	28.41	41.70	64.12	240.34	753.65	1643.64	1874.48	1874.48	1643.64	28.41	396.42	459.48	100.0%	12
13	1923.41	1967.04	1883.54	1332.19	488.13	374.82	482.02	604.47	379.54	287.73	199.03	150.87	119.24	95.30	74.90	64.81	70.59	149.50	391.09	556.72	249.37	173.49	288.70	420.69	1967.04	1923.41	64.81	530.34	587.47	100.0%	13
14	465.02	255.03	691.98	312.86	228.01	285.92	417.83	416.51	247.15	152.30	118.84	QAS	107.78	95.40	102.48	88.25	80.44	57.68	68.58	134.21	77.67	88.64	103.73	101.39	691.98	465.02	57.68	204.29	159.48	95.8%	14
15	78.65	79.16	121.19	134.31	132.84	155.03	157.75	144.28	124.91	104.79	94.29	68.60	51.23	55.34	56.56	60.02	86.31	89.03	119.58	111.66	97.18	104.62	66.87	37.12	157.75	155.03	37.12	97.14	33.63	100.0%	15
16	57.33	127.54	103.83	92.14	103.31	83.22	104.84	140.78	132.28	114.12	101.15	67.68	58.41	34.08	252.11	42.20	34.08	35.27	37.10	33.15	49.99	70.96	373.82	414.83	414.83	373.82	33.15	111.01	98.10	100.0%	16
17	464.24	231.32	419.04	213.10	212.88	433.90	308.62	133.74	163.25	269.83	166.15	184.93	108.86	QAS	CAL	CAL	CAL	30.88	55.49	81.83	269.53	319.97	379.00	371.61	464.24	433.90	30.88	240.91	125.82	83.3%	17
18	234.91	232.34	208.66	261.44	283.30	527.11	451.42	384.12	327.57	338.53	328.26	250.69	250.84	QAS	QAS	QAS	QAS	QAS	QAS	339.62	478.62	382.63	431.24	534.25	534.25	527.11	208.66	346.97	100.30	75.0%	18
19	487.94	477.06	538.57	595.35	394.64	301.65	401.57	465.38	373.82	268.70	238.03	229.59	189.98	263.67	176.48	161.12	107.67	177.77	256.25	164.81	130.81	232.91	168.84	233.32	595.35	538.57	107.67	290.66	137.45	100.0%	19
20	224.29	334.55	276.24	306.85	457.32	355.71	222.37	165.83	77.93	79.59	94.03	83.37	59.04	75.59	59.20	61.62	76.21	52.12	40.80	50.27	67.74	87.36	75.39	51.12	457.32	355.71	40.80	143.15	117.55	100.0%	20
21	86.40	282.84	314.85	253.18	304.82	294.78	315.31	477.88	310.02	196.56	240.31	123.73	71.76	65.80	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	363.16	477.88	363.16	65.80	246.76	113.76	62.5%	21
22	304.97	303.42	155.18	311.79	242.96	911.33	553.08	326.93	367.65	129.26	40.75	34.64	46.15	65.63	60.00	46.61	29.49	125.83	205.85	263.45	542.69	572.50	635.57	697.32	911.33	697.32	29.49	290.58	240.67	100.0%	22
23	92.60	113.30	88.21	102.83	130.59	79.01	89.46	77.48	50.71	46.64	7.42	0.36	0.60	0.70	1.28	0.47	1.68	0.93	0.52	16.11	41.24	134.56	26.98	56.03	134.56	130.59	0.36	48.32	45.54	100.0%	23
24	50.75	161.61	95.05	127.33	209.30	212.05	206.53	152.70	13.93	19.04	41.21	47.82	64.97	55.08	CAL	CAL	CAL	CAL	CAL	CAL	89.00	96.33	79.55	98.99	212.05	209.30	13.93	101.18	62.15	75.0%	24
25	119.76	97.72	184.23	187.16	113.33	36.37	69.18	129.72	65.58	126.55	QAS	192.09	245.75	261.37	118.24	101.56	105.70	611.18	78.69	210.08	QAS	QAS	CAL	CAL	611.18	245.75	36.37	157.59	120.14	79.2%	25
26	CAL	193.17	231.63	347.36	298.88	95.35	86.87	78.17	83.20	98.32	99.09	94.06	74.74	68.11	49.09	35.30	20.21	14.82	132.94	121.78	263.32	312.71	156.78	95.45	347.36	312.71	14.82	132.67	93.71	95.8%	26
27	108.97	110.65	77.03	289.60	320.76	158.51	251.45	181.99	158.51	106.81	99.28	109.44	175.23	262.55	205.85	170.59	157.42	91.77	781.57	916.35	245.97	187.61	208.97	235.65	916.35	781.57	77.03	231.35	197.26	100.0%	27
28	289.92	401.52	417.19	384.81	349.54	412.26	313.33	548.97	547.44	373.54	303.24	361.16	356.14	286.57	238.28	229.62	259.48	221.73	213.99	243.63	279.31	260.66	243.67	260.59	548.97	547.44	213.99	324.86	91.57	100.0%	28
29	261.16	260.32	173.87	150.04	189.92	186.60	259.67	332.38	242.44	273.49	174.06	255.34	264.31	137.01	54.40	80.98	53.18	43.23	76.76	72.63	55.36	43.90	196.90	100.79	332.38	273.49	43.23	164.11	88.53	100.0%	29
30	49.92	127.55	42.04	128.71	84.91	99.56	74.89	31.85	53.60	34.46	29.78	12.70	9.36	9.53	9.02	10.46	14.74	11.72	20.80	51.85	126.43	168.96	139.24	177.86	177.86	168.96	9.02	63.33	53.65	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 630 Total Non-Methane Organic Compounds Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
1967.04 ppb-C	1923.41 ppb-C	-3.72 ppb-C	206.49 ppb-C	217.92	94.7%
April 13 1:00 am	April 13 Mid	April 11 3:00 pm	------	------	------

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. I collected by other outside agencies.

Last Modified: June 1, 2005

Texas Natural Resource Conservation Commission

CAMS 630 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	180.40	170.70	218.40	164.98	137.36	120.86	151.25	180.88	138.71	94.42	89.62	46.30	28.48	78.57	QAS	SPN	SPN	67.40	46.47	102.43	58.17	71.98	96.13	80.23	218.40	180.88	28.48	110.65	51.31	87.5%	1
2	108.42	98.47	78.37	81.77	93.86	94.75	51.52	60.67	32.48	37.50	29.68	26.28	21.52	16.12	12.54	19.60	29.15	16.60	14.81	22.77	21.58	14.47	12.48	25.94	108.42	98.47	12.48	42.56	31.36	100.0%	2
3	32.50	90.62	79.02	64.20	19.12	18.90	113.27	168.81	93.80	35.20	25.74	26.20	31.41	18.53	8.45	11.02	21.36	30.79	18.21	15.66	20.68	24.80	19.64	11.89	168.81	113.27	8.45	41.66	38.99	100.0%	3
4	10.38	14.94	6.83	18.18	15.80	14.22	17.79	18.16	11.35	12.02	15.63	16.02	14.77	21.97	24.52	18.46	15.31	31.49	69.01	5.53	6.83	15.78	14.02	73.17	73.17	69.01	5.53	20.09	16.33	100.0%	4
5	147.69	231.59	325.96	233.56	401.79	457.15	306.57	56.60	22.84	27.50	43.03	60.02	51.08	27.22	48.20	92.08	89.55	151.37	74.68	95.34	42.66	57.25	37.08	45.85	457.15	401.79	22.84	130.28	124.43	100.0%	5
6	60.56	116.38	112.80	136.56	223.58	218.19	196.91	110.48	100.77	53.46	39.86	86.63	98.79	72.09	34.91	15.78	21.41	20.17	33.76	64.58	122.56	168.72	253.56	419.12	419.12	253.56	15.78	115.90	91.95	100.0%	6
7	394.23	384.27	428.51	413.08	429.71	371.69	402.78	321.03	141.32	89.07	134.51	206.34	239.02	139.76	115.03	127.25	197.08	189.85	264.55	201.14	248.60	311.55	312.53	306.22	429.71	428.51	89.07	265.38	109.07	100.0%	7
8	362.84	346.74	324.15	224.65	221.63	95.19	93.16	67.36	116.58	178.11	225.17	233.99	220.07	237.78	QAS	SPN	SPN	135.38	46.65	18.38	189.75	187.35	93.06	109.12	362.84	346.74	18.38	177.48	94.00	87.5%	8
9	52.69	27.02	86.72	130.82	282.32	299.55	96.96	127.95	255.59	104.09	111.05	84.12	92.75	153.24	51.84	33.64	15.18	31.21	65.49	74.93	60.32	42.60	139.68	201.88	299.55	282.32	15.18	109.23	77.80	100.0%	9
10	299.13	297.83	232.31	284.87	323.76	288.38	298.79	376.87	307.95	288.23	135.50	108.72	107.68	130.12	146.72	62.42	22.66	29.36	34.95	25.07	16.07	25.94	100.05	279.45	376.87	323.76	16.07	175.95	119.70	100.0%	10
11	239.22	353.46	297.94	308.47	128.22	54.91	85.85	115.44	122.03	97.27	138.59	219.59	248.43	121.98	92.60	144.56	145.60	159.72	105.33	67.30	123.33	75.95	87.24	188.13	353.46	308.47	54.91	155.03	79.96	100.0%	11
12	236.26	235.80	315.68	222.52	286.30	138.65	239.02	300.17	196.18	295.40	284.81	176.62	125.19	59.23	111.10	51.53	23.33	139.04	24.64	27.77	33.27	162.25	250.16	189.35	315.68	300.17	23.33	171.84	95.66	100.0%	12
13	179.81	302.82	233.62	277.71	262.79	318.51	347.24	223.69	119.52	70.13	62.02	46.72	31.48	27.87	29.08	13.00	11.79	8.75	11.72	66.04	135.25	182.10	208.01	216.65	347.24	318.51	8.75	141.10	110.57	100.0%	13
14	242.81	201.02	256.04	181.00	216.57	249.09	62.87	61.41	43.10	48.18	9.58	45.15	5.33	31.09	6.94	12.48	7.06	7.85	24.20	53.50	130.13	147.12	230.25	152.71	256.04	249.09	5.33	101.06	90.19	100.0%	14
15	213.13	421.08	333.04	183.72	477.85	417.02	177.80	167.35	163.14	160.25	81.27	72.23	71.56	36.74	QAS	SPN	48.01	45.03	43.89	163.57	524.01	467.95	55.48	199.63	524.01	477.85	36.74	205.62	156.55	91.7%	15
16	103.72	105.00	278.05	479.64	169.21	147.83	100.99	257.67	178.26	272.39	192.12	86.67	95.24	134.73	79.57	158.22	27.79	67.80	34.24	59.00	52.02	52.31	24.08	26.70	479.64	278.05	24.08	132.64	104.03	100.0%	16
17	40.27	27.00	59.33	102.03	108.80	281.40	193.78	46.39	35.91	27.82	18.93	13.08	5.05	-2.65	-2.88	-2.70	-2.67	-1.73	-0.55	2.73	5.25	3.76	2.30	20.91	281.40	193.78	-2.88	40.90	67.70	100.0%	17
18	3.25	4.64	3.69	5.50	2.55	8.15	8.50	5.10	2.77	2.11	-1.34	-0.13	-2.73	-2.50	-2.94	-2.88	-2.94	-2.82	-2.16	-0.40	0.92	0.32	3.74	0.84	8.50	8.15	-2.94	1.30	3.47	100.0%	18
19	5.55	2.16	3.96	1.90	1.83	0.12	2.70	8.45	5.67	5.57	-0.91	-3.00	-3.02	QAS	QAS	QAS	CAL	CAL	-64.88	-43.54	-89.64	-57.20	-59.76	198.07	198.07	8.45	-89.64	-4.53	56.22	79.2%	19
20	256.98	227.95	221.12	113.55	239.90	8.54	-27.32	137.45	-88.79	-145.99	-150.26	-145.99	-144.28	-151.11	-144.28	-142.57	-148.55	-146.84	-144.28	-93.91	7.68	20.49	-29.88	-90.50	256.98	239.90	-151.11	-23.37	142.11	100.0%	20
21	-19.64	-3.42	-22.20	QAS	QAS	CAL	CAL	CAL	218.30	60.69	-55.63	-67.43	-26.97	-64.06	-67.43	-75.01	-74.17	-74.17	467.79	151.72	414.69	153.40	144.13	46.36	467.79	414.69	-75.01	58.26	159.22	79.2%	21
22	-4.21	79.23	190.49	97.77	160.14	257.07	223.36	183.74	62.37	-53.94	-23.60	-94.40	-84.29	-84.29	QAS	SPN	SPN	-32.03	82.60	167.73	166.89	94.40	223.36	199.76	257.07	223.36	-94.40	86.29	112.16	87.5%	22
23	199.76	179.53	145.81	183.74	191.33	196.39	251.17	198.91	-19.39	-74.17	-104.52	-27.81	-146.66	-141.60	-142.44	-150.87	-151.72	-150.03	-103.67	169.41	128.96	211.56	311.01	105.36	311.01	251.17	-151.72	52.50	157.48	100.0%	23
24	87.66	85.13	14.33	78.39	128.12	81.76	107.04	681.87	292.47	178.69	QAS	QAS	QAS	CAL	CAL	CAL	26.24	36.73	137.94	283.37	263.88	278.12	166.42	54.73	681.87	292.47	14.33	165.72	153.29	75.0%	24
25	85.46	19.49	62.22	89.21	194.91	144.68	173.92	424.31	199.41	204.66	100.59	QAS	QAS	QAS	CAL	CAL	4.54	0.00	-5.11	-2.55	-3.40	-9.36	-10.21	92.79	424.31	204.66	-10.21	92.92	108.89	79.2%	25
26	190.68	422.23	1378.19	349.87	18.73	154.93	320.07	55.33	0.00	0.00	82.57	0.00	0.00	6.81	12.77	4.26	24.69	32.35	12.77	-6.81	-3.40	48.52	179.62	47.67	1378.19	422.23	-6.81	138.83	285.01	100.0%	26
27	160.04	140.46	225.58	105.56	114.92	110.66	99.60	260.49	150.67	68.10	113.22	131.09	22.13	605.25	282.62	41.71	843.55	0.00	80.02	50.22	7886.08	40342.95	2090.70	5234.40	40342.95	7886.08	0.00	2465.00	8106.38	100.0%	27
28	148.12	161.74	229.84	160.89	211.11	114.92	335.40	459.68	211.96	283.47	70.66	69.80	148.97	125.59	185.57	25.54	114.92	67.25	248.57	228.14	424.78	348.17	297.09	297.94	459.68	424.78	25.54	207.10	111.34	100.0%	28
29	328.59	41.71	48.52	166.04	132.80	138.76	185.57	349.02	141.31	244.31	599.29	602.69	400.09	253.68	QAS	SPN	SPN	275.81	546.51	921.91	151.52	181.32	413.71	561.83	921.91	602.69	41.71	318.05	218.26	87.5%	29
30	479.26	567.79	572.65	429.89	560.98	128.54	190.68	171.10	150.67	112.37	102.15	102.15	102.15	102.15	102.15	102.15	102.15	141.31	182.17	261.34	148.12	291.98	301.35	258.78	572.05	567.79	102.15	235.98	160.64	100.0%	30
31	297.94	495.43	578.86	310.71	315.82	290.28	282.62	323.48	256.23	266.44	182.17	139.61	119.18	116.62	114.92	119.18	125.99	102.15	95.34	157.48	250.27	392.43	264.74	234.95	578.86	495.43	95.34	243.03	123.06	100.0%	31
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day

		Morning		Afternoon

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 630 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
40342.95 ppb-C	7886.08 ppb-C	-151.72 ppb-C	203.06 ppb-C	1557.14	95.3%
May 27 9:00 pm	May 27 8:00 pm	May 23 4:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staf collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 7, 2005

CAMS 630 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.6	0.3	0.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.0	0.1	0.20	100.0%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	2.0	1.1	4.6	1.6	0.9	1.5	2.1	SPN	2.1	0.9	0.9	0.7	4.6	2.1	0.0	0.9	1.10	95.8%	2
3	28.1	44.2	29.1	35.1	20.5	7.0	16.4	17.0	30.2	11.5	17.6	1.9	2.5	1.4	0.4	0.7	0.7	1.5	1.3	1.1	1.0	0.7	0.9	0.5	44.2	35.1	0.4	11.3	13.16	100.0%	3
4	2.2	2.1	1.0	2.2	1.9	1.3	0.5	0.6	1.7	3.3	2.9	1.6	2.1	2.3	1.6	0.7	0.5	0.8	1.6	0.8	0.6	0.4	0.3	0.5	3.3	2.9	0.3	1.4	0.83	100.0%	4
5	0.3	0.5	0.8	1.5	1.6	1.4	1.5	2.0	1.8	1.5	1.0	1.3	1.8	1.9	1.4	1.1	1.0	1.2	0.8	0.5	0.6	0.8	1.4	1.0	2.0	1.9	0.3	1.2	0.46	100.0%	5
6	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.3	0.1	0.0	0.8	0.5	0.0	0.1	0.20	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	2.2	2.2	0.4	0.0	0.2	0.44	100.0%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	0.9	3.0	1.0	0.8	0.7	0.7	1.5	3.7	2.8	2.1	1.8	2.5	1.1	3.7	3.0	0.0	1.0	1.09	100.0%	8
9	0.6	1.0	0.8	0.8	1.0	0.6	0.4	1.4	1.8	1.9	2.6	3.1	1.1	0.4	0.4	0.3	0.7	0.8	1.2	SPN	1.0	0.5	0.7	0.5	3.1	2.6	0.3	1.0	0.70	95.8%	9
10	0.5	0.5	0.4	0.2	0.6	0.2	0.3	0.4	1.2	7.1	27.4	22.6	5.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	27.4	22.6	0.0	2.8	6.92	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.1	0.0	0.1	0.25	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.3	1.3	2.8	0.8	0.6	2.1	1.1	0.5	0.3	0.2	0.1	0.7	1.3	0.4	0.2	2.8	2.1	0.0	0.6	0.71	100.0%	12
13	0.0	0.1	0.3	13.4	4.6	10.1	3.3	10.9	2.6	6.3	4.2	3.2	1.8	0.6	0.6	0.5	0.5	2.0	2.2	4.1	6.6	8.9	7.8	4.7	13.4	10.9	0.0	4.1	3.72	100.0%	13
14	11.8	2.3	0.5	0.3	0.2	0.0	0.0	0.3	0.8	0.7	1.1	QAS	0.4	0.7	0.4	0.3	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.1	11.8	2.3	0.0	1.0	2.37	95.8%	14
15	0.0	0.1	0.1	0.0	0.0	0.1	0.5	1.0	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.1	0.22	100.0%	15
16	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.2	1.6	3.2	SPN	3.6	4.0	1.9	2.3	4.0	3.6	0.0	0.8	1.26	95.8%	16
17	2.4	1.7	2.2	2.5	3.0	5.0	4.4	3.0	1.5	1.6	2.0	1.6	0.9	1.8	0.9	1.6	0.8	1.2	1.1	1.3	0.9	1.1	CAL	CAL	5.0	4.4	0.8	1.9	1.08	91.7%	17
18	0.5	0.4	0.3	0.4	0.7	0.7	0.7	0.5	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.1	0.1	0.3	0.4	0.5	0.1	0.3	0.9	0.9	0.7	0.0	0.4	0.23	100.0%	18
19	1.7	0.5	0.7	0.4	0.1	0.5	0.5	3.1	1.3	0.8	0.3	0.4	1.1	2.3	0.7	0.6	0.1	0.1	0.2	0.1	0.4	0.1	0.0	0.0	3.1	2.3	0.0	0.7	0.74	100.0%	19
20	0.2	0.0	1.0	1.4	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.1	0.0	0.0	1.4	1.0	0.0	0.1	0.35	91.7%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	0.0	0.0	0.0	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0		91.7%	22
23	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.4	0.6	0.7	0.4	0.4	CAL	CAL	CAL	0.0	0.0	0.7	0.6	0.0	0.2	0.22	87.5%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.0		0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.6	0.4	0.2	0.3	0.1	0.0		0.0	0.0	0.3	**1.0**	CAL	0.0	0.0	0.0	1.0	0.6	0.0	0.2	0.2	8%	24
25	0.0	0.0	**0.2**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	CAL	CAL	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.04	83.3%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	**1.8**	0.0	0.0	0.1	0.0	0.0	0.0	1.8	0.1	0.0	0.1	0.38	83.3%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.3	**0.8**	0.6	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.6	0.0	0.1	0.20	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.1**	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.01	100.0%	28
29	0.5	0.4	0.2	0.5	0.3	0.4	0.7	0.5	0.8	1.9	3.4	**8.5**	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	8.5	4.1	0.0	0.9	1.90	100.0%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 630 Sulfur Dioxide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
44.2 ppb	35.1 ppb	0.0 ppb	1.07 ppb	3.64	96.8%
April 3 1:00 am	April 3 3:00 am	April 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 630 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.01	100.0%	1
2	0.0	0.0	0.0	0.0	0.5	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.5	0.0	0.1	0.29	100.0%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.01	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.03	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.05	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.07	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.07	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.08	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.09	100.0%	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.09	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.06	100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.11	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0		91.7%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.07	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.09	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.13	95.8%	21

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
22	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.08	)%	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	18.2	8.5	4.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.5	18.2	8.5	0.0	1.6	3.99	100.0%	23
24	0.5	0.7	0.1	0.0	0.0	0.0	0.1	0.5	5.5	2.8	2.4	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	5.5	2.8	0.0	0.6	1.28	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.11	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.07	100.0%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.4	0.1	0.0	0.0	0.09	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0	2.2	0.5	0.5	0.4	0.5	0.1	0.2	0.1	0.0	SPN	0.2	0.0	0.0	0.0	3.0	2.2	0.0	0.3	0.73	95.8%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.1	0.9	0.3	0.0	0.1	0.18	100.0%	29
30	0.2	0.1	0.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.8	0.4	0.0	0.1	0.18	100.0%	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.10	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 630 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
18.2 ppb	8.5 ppb	0.0 ppb	0.10 ppb	0.83	99.2%
May 23 9:00 am	May 23 10:00 am	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 630 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	2.4	2.4	1.9	0.6	0.0	0.1	0.3	1.0	0.9	1.3	0.7	0.0	0.0	0.0	1.0	**2.5**	1.7	1.2	1.9	0.9	0.0	0.0	0.0	0.0	2.5	2.4	0.0	0.9	0.86	100.0%	1
2	1.2	2.1	0.8	0.1	0.0	1.2	2.3	1.6	1.1	0.2	0.6	0.6	2.6	1.6	0.5	0.4	1.4	1.0	1.4	3.5	3.8	3.3	4.3	**6.6**	6.6	4.3	0.0	1.8	1.56	100.0%	2
3	2.1	2.3	3.5	3.4	5.1	6.4	SPN	SPN	SPN	1.9	2.6	2.8	2.8	2.4	2.7	2.7	2.8	2.9	3.7	4.6	6.6	6.6	**7.4**	5.8	7.4	6.6	1.9	3.9	1.69	87.5%	3
4	4.8	4.2	2.7	2.1	2.8	3.1	3.2	4.9	2.5	3.1	3.5	2.8	2.8	3.0	3.0	3.8	4.6	**5.2**	4.3	4.1	2.9	2.5	3.0	2.9	5.2	4.9	2.1	3.4	0.84	100.0%	4
5	3.0	2.6	2.7	2.3	2.5	2.8	3.2	2.9	2.6	2.4	2.3	1.8	1.8	2.0	2.1	2.2	2.8	2.9	2.7	3.5	**3.6**	3.0	2.6	2.9	3.6	3.5	1.8	2.6	0.46	100.0%	5
6	2.6	2.6	2.6	2.6	3.5	**3.7**	3.0	2.9	2.8	2.7	2.2	0.0	1.5	0.7	0.4	0.3	1.5	1.3	1.8	2.0	2.8	1.0	0.0	1.5	3.7	3.5	0.0	1.9	1.07	100.0%	6
7	2.1	1.5	0.3	0.3	1.5	3.6	3.4	1.4	0.9	1.4	1.2	1.7	1.7	1.6	2.1	2.0	2.1	2.5	2.4	2.9	**4.0**	3.1	3.9	2.8	4.0	3.9	0.3	2.1	1.01	100.0%	7
8	1.4	0.5	2.1	3.0	3.3	3.1	1.9	2.2	1.1	1.6	2.0	2.1	1.7	1.3	1.2	0.8	1.0	1.3	2.2	**5.6**	4.5	4.4	3.4	3.7	5.6	4.5	0.5	2.3	1.28	100.0%	8
9	3.5	4.1	4.4	**5.2**	5.0	5.1	4.7	4.9	3.7	3.2	2.7	2.8	1.8	1.7	1.9	1.7	1.8	2.1	3.5	4.4	3.4	2.9	2.7	3.0	5.2	5.1	1.7	3.3	1.14	100.0%	9
10	**3.5**	1.8	2.6	3.0	2.5	2.8	SPN	SPN	SPN	0.2	0.5	0.7	0.4	0.0	0.8	1.1	0.7	0.3	0.4	1.0	1.1	0.4	0.5	0.4	3.5	3.0	0.0	1.2	1.03	87.5%	10
11	0.8	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.3	1.5	**1.6**	1.6	1.5	0.0	0.4	0.50	100.0%	11
12	0.4	0.0	0.0	0.1	0.8	1.2	1.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	1.2	2.4	3.2	**3.9**	3.9	3.2	0.0	0.7	1.06	100.0%	12
13	3.7	3.7	1.9	1.4	**10.2**	1.0	4.8	3.0	0.0	2.0	0.6	0.0	0.5	0.6	0.0	0.0	0.1	1.9	1.1	2.1	0.2	0.9	2.2	2.2	10.2	4.8	0.0	1.8	2.18	100.0%	13
14	2.1	2.2	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	QAS	1.7	**2.5**	2.2	2.2	2.2	1.8	1.9	2.3	2.1	1.6	1.3	1.4	2.5	2.3	0.0	1.2	0.98	95.8%	14
15	1.4	1.5	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.6	1.4	1.1	1.7	**1.8**	1.8	1.8	0.0	0.9	0.70	100.0%	15
16	1.8	2.9	2.5	1.5	1.7	1.5	1.7	1.5	1.1	1.2	0.5	0.5	0.1	0.0	0.0	0.4	0.1	0.0	0.1	0.7	1.4	1.7	3.3	**4.9**	4.9	3.3	0.0	1.3	1.18	100.0%	16
17	4.7	2.6	3.7	2.5	3.4	**5.7**	SPN	SPN	SPN	1.1	0.4	0.4	0.4	1.2	0.5	1.0	0.7	0.0	CAL	CAL	CAL	CAL	2.5	3.3	5.7	4.7	0.0	2.0	1.66	70.8%	17
18	2.0	2.4	2.1	2.4	2.1	2.9	**3.2**	2.8	1.9	2.1	1.8	1.2	1.4	0.0	0.7	0.0	0.0	0.0	0.0	0.8	2.6	2.2	2.6	2.5	3.2	2.9	0.0	1.7	1.04	100.0%	18
19	2.9	3.1	3.2	3.2	2.5	**3.3**	2.9	0.0	0.0	0.0	0.8	1.6	0.3	0.5	0.6	0.6	0.5	0.4	0.0	0.8	0.0	0.9	0.4	1.3	3.3	3.2	0.0	1.2	1.20	100.0%	19
20	2.1	1.8	0.5	0.3	**3.1**	2.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	3.1	2.1	0.0	0.5	0.85	100.0%	20
21	0.0	0.0	**3.5**	2.6	2.0	1.8	CAL	CAL	CAL	CAL	0.7	0.0	0.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.6	0.0	0.6	1.02	83.3%	21
22	0.0	0.0	1.7	**3.4**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.6	3.4	1.7	0.0	0.3	0.82	100.0%	22
23	0.0	0.3	0.0	0.0	0.8	1.6	2.1	**2.1**	0.9	0.7	0.9	0.6	1.0	0.8	0.5	0.5	0.6	0.6	0.6	0.8	0.9	1.7	1.8	1.8	2.1	2.1	0.0	0.9	0.61	100.0%	23
24	1.3	1.2	1.1	0.7	0.6	0.6	CAL	CAL	CAL	QAS	CAL	CAL	0.6	0.6	0.7	0.7	0.4	0.9	**1.6**	1.5	0.2	0.7	0.3	0.0	1.6	1.5	0.0	0.8	0.42	75.0%	24

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
25	1.4		1.8	2.4	1.9	1.3	1.6	0.9	0.5	0.7	QAS	89.3	17.2	0.7	CAL		CAL	CAL	CAL	0.2	3.0	2.0	1.3	1.9	89.3	17.2	0.2	7.2	20.2	0%	25
26	1.2	2.0	2.1	5.4	5.7	2.3	1.9	1.7	1.8	1.4	1.5	1.8	0.8	0.0	0.0	0.0	0.4	0.3	1.8	1.9	1.7	1.9	1.9	1.8	5.7	5.4	0.0	1.7	1.36	100.0%	26
27	1.5	1.5	1.1	1.2	2.3	1.9	2.2	1.8	2.3	0.4	1.6	1.6	2.2	2.4	2.8	2.1	2.2	1.9	2.9	3.6	3.6	3.7	3.8	3.7	3.8	3.7	0.4	2.3	0.90	100.0%	27
28	3.4	3.2	3.1	3.1	2.9	3.1	3.0	2.9	3.0	2.9	2.4	2.6	2.3	2.5	2.5	2.3	2.3	2.3	2.5	2.5	2.6	2.9	2.8	2.8	3.4	3.2	2.3	2.7	0.31	100.0%	28
29	2.7	2.7	2.8	2.8	2.6	2.9	2.7	2.8	2.9	2.8	2.2	3.0	0.1	0.6	0.6	1.0	0.3	0.3	0.0	0.4	2.0	2.5	2.7	2.4	3.0	2.9	0.0	1.9	1.10	100.0%	29
30	2.1	1.9	2.0	2.1	2.0	1.6	0.2	0.0	0.4	0.5	0.6	0.3	0.6	1.1	1.4	0.7	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.8	0.78	100.0%	30

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 630 Hydrogen Sulfide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
89.3 ppb	17.2 ppb	0.0 ppb	1.77 ppb	3.67	95.8%
April 25 11:00 am	April 25 Noon	April 1 11:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

CAMS 630 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.2	SPN	SPN	SPN	0.5	0.2	0.7	0.0	0.0	0.6	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.2	0.38	87.5%	1
2	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.0	0.6	1.0	1.0	1.1	1.1	0.8	1.4	1.1	1.1	0.9	1.0	1.1	0.7	1.0	1.0	1.1	1.4	1.1	0.0	0.7	0.45	100.0%	2
3	1.3	1.1	1.1	1.3	1.5	1.3	1.2	0.9	1.0	1.4	1.0	1.0	0.9	0.5	0.3	0.8	0.8	1.2	1.1	1.3	0.0	0.0	0.1	0.1	1.5	1.4	0.0	0.9	0.46	100.0%	3
4	0.3	0.5	0.3	0.4	0.4	0.4	0.5	0.4	0.4	1.1	1.2	1.3	1.1	1.1	0.9	0.8	1.0	1.0	0.8	1.0	0.0	0.0	0.0	0.0	1.3	1.2	0.0	0.6	0.41	100.0%	4
5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.0	1.1	1.0	1.3	1.1	1.2	1.1	0.8	0.9	0.0	0.0	0.6	0.5	0.2	0.3	0.3	1.3	1.2	0.0	0.5	0.47	100.0%	5
6	0.7	1.2	1.2	1.9	3.8	4.5	4.1	1.6	1.6	1.0	0.1	0.1	0.1	0.0	0.0	0.4	0.4	0.3	1.1	1.8	2.2	2.0	2.7	3.4	4.5	4.1	0.0	1.5	1.32	100.0%	6
7	3.7	3.3	3.3	4.0	4.1	4.1	4.3	3.3	2.3	1.7	1.5	1.8	1.3	0.9	0.7	0.8	1.6	1.2	1.8	2.0	2.6	2.6	2.4	2.2	4.3	4.1	0.7	2.4	1.10	100.0%	7
8	2.1	2.0	2.1	2.3	1.9	1.5	SPN	SPN	SPN	2.6	3.2	3.7	3.2	2.5	1.9	1.7	1.6	1.4	1.7	1.2	0.6	1.1	0.0	0.0	3.7	3.2	0.0	1.8	0.93	87.5%	8
9	0.1	0.3	0.5	0.5	1.8	1.7	1.1	1.7	1.3	1.0	1.0	0.4	0.0	0.8	0.9	0.9	1.0	0.7	0.9	1.0	0.0	0.0	0.0	0.6	1.8	1.7	0.0	0.8	0.53	100.0%	9
10	1.2	1.2	1.2	1.2	1.2	1.3	1.7	2.1	1.3	1.4	0.7	0.8	0.7	0.8	0.7	0.4	0.3	0.4	0.3	0.8	0.3	0.5	0.7	1.4	2.1	1.7	0.3	0.9	0.46	100.0%	10
11	1.4	2.1	1.8	2.1	1.1	0.8	0.7	0.8	0.8	0.9	0.9	0.7	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.7	0.0	0.1	0.0	0.8	2.1	2.1	0.0	0.7	0.60	100.0%	11
12	1.2	1.3	2.0	1.4	1.6	0.8	1.2	1.7	1.1	1.5	1.4	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.7	0.0	0.7	0.70	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.14	100.0%	13
14	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.06	100.0%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.1	0.7	0.5	0.4	0.8	1.0	0.7	0.0	0.2	1.7	2.7	3.5	0.2	0.0	3.5	2.7	0.0	0.6	0.93	87.5%	15
16	0.0	0.2	1.7	4.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.7	0.0	0.3	0.89	100.0%	16
17	0.0	0.0	0.0	0.0	0.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	1.0	0.6	1.0	1.7	1.3	0.0	0.3	0.49	100.0%	17
18	0.4	0.3	0.0	0.6	0.1	1.2	1.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.8	0.3	1.3	1.2	0.0	0.3	0.38	100.0%	18
19	1.3	1.6	1.1	1.2	1.6	1.9	CAL	CAL	CAL	CAL	0.0	1.2	2.0	2.0	1.6	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	1.7	2.0	2.0	0.0	0.9	0.77	83.3%	19
20	2.7	1.8	2.1	0.9	1.8	0.6	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	2.7	2.1	0.0	0.5	0.79	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.9	0.0	0.0	0.0	1.9	0.7	0.0	0.1	0.40	100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.4	1.0	0.7	0.3	0.2	0.0	0.6	0.0	0.0	1.1	1.0	0.6	0.8	0.1	1.1	1.0	0.0	0.3	0.39	87.5%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	1..	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.6	0.6	0.0	1.5	1.1	0.0	0.2	0..	.0%	23
24	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	**1.3**	0.8	0.6	0.0	0.0	1.3	0.8	0.0	0.2	0.34	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.2	**1.1**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2	0.0	0.1	0.21	100.0%	25
26	**0.1**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	**2.3**	0.3	0.0	2.3	0.3	0.0	0.1	0.46	100.0%	27
28	0.0	0.0	0.3	0.0	0.1	0.0	**0.6**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.0	0.6	0.3	0.0	0.1	0.14	100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	1.0	1.6	1.9	1.2	0.5	1.5	0.2	0.7	0.6	0.6	1.3	0.4	1.0	1.7	**3.6**	3.6	1.9	0.0	0.8	0.86	87.5%	29
30	**2.8**	2.0	1.0	2.1	2.6	0.7	1.0	0.9	0.7	0.6	0.5	0.6	0.4	0.4	0.6	0.4	0.4	0.4	0.4	1.9	0.7	1.6	1.2	1.1	2.8	2.6	0.4	1.1	0.71	100.0%	30
31	1.2	1.3	2.1	1.7	**2.2**	1.7	1.4	0.9	0.8	0.5	0.4	0.7	0.5	0.4	0.6	0.4	0.3	0.4	0.3	0.7	0.7	0.7	1.2	1.2	2.2	2.1	0.3	0.9	0.55	100.0%	31

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 630 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
4.5 ppb	4.3 ppb	0.0 ppb	0.59 ppb	0.82	97.4%
May 6 5:00 am	May 7 6:00 am	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

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Last Modified: June 10, 2005

NOT AN AUTO GC SITE

CAMS 631

Inner Harbor - POCC

Site 1.e

June 15, 2005

CAMS 631 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	**52.76**	16.69	6.30	0.09	0.56	1.81	5.39	3.81	0.63	1.91	0.48	0.20	3.63	0.24	0.20	0.20	0.17	0.12	0.17	0.32	-0.10	-0.07	2.49	0.07	52.76	16.69	-0.10	4.09	10.75	100.0%	1
2	2.78	48.40	128.35	143.06	135.33	133.55	135.04	121.30	94.23	15.97	0.36	18.52	13.41	5.22	2.22	0.12	46.54	130.72	151.47	1420.47	1725.60	1787.20	1837.12	**2040.89**	2040.89	1837.12	0.12	422.41	695.45	100.0%	2
3	**1997.03**	1070.50	607.76	1954.10	1533.54	833.53	1126.46	1260.61	756.38	302.01	281.89	211.54	337.19	QAS	SPN	SPN	258.64	138.04	143.69	108.52	156.56	240.45	239.54	218.93	1997.03	1954.10	108.52	656.04	593.44	87.5%	3
4	578.20	**766.83**	427.85	497.64	540.46	218.16	180.56	199.31	270.04	350.91	257.65	256.99	304.66	214.40	183.87	161.77	97.90	113.88	143.42	187.01	169.94	222.32	130.53	160.06	766.83	578.20	97.90	276.43	165.51	100.0%	4
5	213.04	238.64	351.95	337.00	327.22	326.49	407.37	456.68	435.63	451.98	573.91	289.74	705.97	1202.56	1332.33	997.98	730.92	692.57	905.16	1251.91	1156.35	**1802.76**	1370.42	365.54	1802.76	1370.42	213.04	705.17	433.77	100.0%	5
6	262.11	0.43	-0.24	269.96	**277.19**	248.47	156.63	133.31	29.02	14.87	2.15	7.07	3.28	3.36	4.08	17.87	4.49	12.84	33.78	16.59	22.51	53.22	99.74	138.88	277.19	269.96	-0.24	75.48	96.04	100.0%	6
7	159.10	122.00	96.26	51.12	129.32	111.78	37.67	135.68	60.18	10.38	7.97	6.04	1.72	5.14	9.80	9.44	4.33	5.26	9.32	46.87	146.66	147.05	143.47	**355.07**	355.07	159.10	1.72	75.48	81.79	100.0%	7
8	226.83	240.16	326.45	377.74	328.60	**574.22**	321.86	QAS	QAS	QAS	QAS	18.72	88.50	135.64	106.88	70.45	98.96	164.94	187.09	169.55	151.01	138.78	QAS	QAS	574.22	377.74	18.72	207.02	132.08	75.0%	8
9	CAL	CAL	CAL	170.84	146.57	172.63	205.51	205.99	218.31	216.97	242.18	207.04	**372.72**	199.45	147.88	174.78	175.41	210.13	232.08	118.64	91.91	98.61	166.35	227.15	372.72	242.18	91.91	190.53	57.93	87.5%	9
10	184.82	153.46	256.96	175.87	166.81	135.26	179.94	199.52	274.63	**449.21**	353.01	376.57	73.39	QAS	SPN	SPN	67.75	31.47	6.66	5.26	8.44	8.13	9.90	176.38	449.21	376.57	5.26	156.83	127.71	87.5%	10
11	32.88	91.33	**126.84**	44.20	18.03	65.20	21.81	11.97	22.12	10.13	6.64	6.52	6.40	5.50	4.82	-0.73	-3.31	-1.31	-2.21	3.24	25.11	20.83	96.12	92.47	126.84	96.12	-3.31	29.36	36.30	100.0%	11
12	117.63	82.64	161.88	154.60	310.79	187.14	358.87	400.95	**519.56**	413.53	124.28	85.37	100.34	190.62	168.57	175.02	77.41	129.39	189.84	231.84	364.90	425.16	442.88	492.84	519.56	492.84	77.41	246.09	140.41	100.0%	12
13	380.16	501.23	554.69	385.66	246.05	294.58	424.94	165.07	152.32	129.41	171.01	231.07	229.85	249.02	250.89	237.17	211.09	209.11	405.52	**678.98**	409.63	439.17	323.53	420.20	678.98	554.69	129.41	320.85	136.77	100.0%	13
14	302.58	60.13	234.27	238.56	251.02	195.34	161.39	108.56	226.31	62.40	24.14	10.64	50.60	117.86	196.89	193.95	187.04	269.71	362.67	**475.02**	319.67	409.27	338.09	256.47	475.02	409.27	10.64	210.52	120.00	100.0%	14
15	**325.39**	242.79	249.77	168.18	244.16	75.86	13.70	31.95	6.11	1.61	14.68	18.11	0.70	-0.02	-0.07	9.73	4.65	5.16	10.63	3.79	3.90	43.88	163.34	**304.87**	325.39	304.87	-0.07	80.95	109.39	100.0%	15
16	304.77	268.90	283.72	311.96	334.58	253.41	192.32	93.11	20.07	39.77	23.31	15.89	6.84	6.94	6.76	8.84	9.37	10.71	17.66	87.92	102.55	**340.14**	233.37	250.19	340.14	334.58	6.76	134.30	126.90	100.0%	16
17	301.37	224.62	164.44	111.17	70.11	151.27	139.39	36.77	21.64	432.43	433.11	**654.64**	129.13	QAS	SPN	SPN	58.55	55.75	55.44	96.64	66.04	170.44	505.22	392.11	654.64	505.22	21.64	203.35	174.92	87.5%	17
18	408.25	245.42	323.41	315.72	230.07	354.76	199.59	212.66	209.14	267.00	QAS	QAS	CAL	CAL	CAL	125.46	49.45	74.78	95.89	178.63	447.52	1157.69	**1484.09**	1483.41	1484.09	1483.41	49.45	413.84	433.13	79.2%	18
19	1499.36	1187.29	1113.31	479.63	131.06	345.30	**1613.43**	1113.61	156.37	410.52	377.01	342.04	282.38	469.69	348.95	228.18	215.10	289.37	182.36	141.14	287.23	234.57	237.09	193.96	1613.43	1499.36	131.06	494.96	436.28	100.0%	19
20	176.29	331.22	330.03	284.80	107.35	**382.99**	169.28	129.99	163.58	154.84	104.64	74.27	138.13	165.50	166.41	142.00	139.97	89.54	153.49	230.02	58.02	65.31	63.18	148.97	382.99	331.22	58.02	165.41	85.96	100.0%	20
21	99.42	309.70	262.14	296.95	435.13	516.08	470.10	475.24	556.04	**768.03**	484.17	293.83	135.30	16.49	QAS	QAS	CAL	CAL	109.98	100.22	103.45	100.20	139.49	181.05	768.03	556.04	16.49	292.65	198.22	83.3%	21
22	242.30	110.51	**390.23**	119.44	177.06	312.15	191.32	129.14	129.78	96.68	4.55	8.10	93.08	191.41	174.57	170.31	181.52	182.11	266.45	349.93	370.30	297.68	285.64	262.66	390.23	370.30	4.55	197.37	102.38	100.0%	22
23	36.37	28.82	22.75	**42.04**	16.90	19.11	11.84	29.07	21.07	5.16	-0.03	-0.08	0.26	0.30	0.35	0.33	0.33	0.03	0.02	0.68	-0.08	0.07	0.87	0.89	42.04	36.37	-0.08	9.88	13.24	100.0%	23
24	11.72	55.30	11.95	53.14	95.59	86.75	96.43	34.51	77.49	4.45	0.66	2.36	5.75	QAS	SPN	SPN	24.22	175.61	179.98	292.55	208.29	259.37	**336.97**	167.32	336.97	292.55	0.66	103.83	101.09	87.5%	24
25	158.66	731.36	455.34	171.39	142.79	29.49	148.89	139.71	332.94	196.14	216.15	443.86	383.62	463.02	QAS	319.00	93.28	-0.31	4.63	15.41	20.72	12.84	377.03	**1698.40**	1698.40	731.36	-0.31	284.97	354.14	95.8%	25
26	**634.84**	243.90	378.94	236.86	50.47	121.50	34.46	20.59	27.86	47.79	54.95	43.42	41.50	30.43	12.61	21.15	0.86	1.58	-0.31	0.87	33.22	24.29	7.76	134.36	634.84	378.94	-0.31	91.83	145.74	100.0%	26
27	372.07	437.17	413.93	740.52	**854.66**	498.09	227.78	277.22	249.97	368.90	118.70	103.04	151.63	153.01	103.83	78.69	149.76	105.92	137.46	290.59	156.26	137.88	231.47	205.62	854.66	740.52	78.69	273.51	196.23	100.0%	27
28	375.23	358.78	314.59	297.46	226.61	253.23	312.35	300.70	292.44	316.31	328.74	335.09	332.73	230.28	444.05	301.17	317.23	292.62	325.54	591.65	841.20	1042.40	924.72	**1060.49**	1060.49	1042.40	226.61	433.98	251.17	100.0%	28
29	1208.28	1107.99	1133.34	1086.18	**1330.26**	414.02	230.61	254.30	296.44	218.10	221.89	209.71	109.77	50.81	136.15	118.41	131.69	140.17	405.96	156.00	426.78	349.86	414.44	140.60	1330.26	1208.28	50.81	428.82	397.67	100.0%	29
30	**230.20**	180.16	-0.17	71.27	28.92	82.32	43.54	11.62	23.62	12.00	6.54	1.14	-0.15	-0.10	0.00	-0.10	0.40	-0.17	2.18	4.96	15.97	18.53	36.98	72.11	230.20	180.16	-0.17	35.07	57.22	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 631 To[illegible] Methane Organic Compounds Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
2040.89 ppb-C	1997.03 ppb-C	-3.31 ppb-C	238.91 ppb-C	316.98	95.7%
April 2 11:00 pm	April 3 Mid	April 11 4:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. D other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 1, 2005

CAMS 631 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	108.65	93.89	152.27	122.15	135.21	169.73	166.86	116.62	68.93	24.37	14.71	0.30	7.25	QAS	SPN	SPN	15.86	0.94	-0.41	4.50	-0.28	2.18	-0.26	-0.21	169.73	166.86	-0.41	57.30	63.32	87.5%	1
2	1.42	-0.26	-0.25	-0.20	132.34	105.20	193.06	171.16	-0.20	-0.03	0.05	1.39	-0.02	0.66	0.00	0.23	-0.12	-0.15	-0.45	0.05	-0.51	106.62	202.35	84.49	202.35	193.06	-0.51	41.53	68.68	100.0%	2
3	1.32	8.54	16.44	3.76	11.52	189.38	93.26	48.06	79.98	18.60	4.52	0.91	-0.07	-0.07	-0.13	0.00	0.15	0.68	-0.36	1.24	-0.45	2.00	-0.12	74.44	189.38	93.26	-0.45	23.07	44.21	100.0%	3
4	43.24	130.90	56.96	4.07	25.95	0.13	0.07	0.48	1.90	3.40	1.19	1.48	-0.02	1.37	0.64	-0.17	-0.20	-0.23	-0.25	-0.05	-0.23	-0.20	-0.25	-0.25	130.90	56.96	-0.25	11.25	28.81	100.0%	4
5	3.50	7.04	17.23	58.13	41.28	140.13	397.67	291.60	6.64	-0.12	-0.05	1.67	-0.02	4.22	6.03	15.35	10.65	-0.45	23.33	27.53	29.46	78.49	121.64	106.39	397.67	291.60	-0.45	57.81	96.38	100.0%	5
6	182.59	228.53	743.31	1333.32	992.60	533.76	628.63	225.22	199.78	274.68	44.10	13.49	23.71	32.83	35.79	15.68	35.84	75.89	124.82	119.43	129.17	163.86	148.87	157.40	1333.32	992.60	13.49	269.30	331.62	100.0%	6
7	121.16	239.37	297.35	630.84	498.04	326.88	489.27	455.32	341.09	339.73	307.56	196.65	210.09	299.90	426.59	210.22	149.09	95.56	122.13	153.57	104.39	57.80	155.20	126.88	630.84	498.04	57.80	264.78	148.17	100.0%	7
8	175.86	260.55	240.64	107.08	361.83	927.51	519.75	452.69	266.50	238.46	193.30	284.42	242.40	CAL	CAL	CAL	CAL	CAL	18.20	7.72	139.87	632.12	817.69	300.24	927.51	817.69	7.72	325.62	240.95	79.2%	8
9	401.35	65.90	156.95	1164.89	296.66	178.12	337.30	381.26	433.07	375.03	271.66	98.87	72.06	116.79	71.63	QAS	SPN	CAL	CAL	153.46	44.18	267.89	724.55	205.12	1164.89	724.55	44.18	290.84	258.28	83.3%	9
10	138.57	140.91	222.16	271.91	265.94	266.19	112.04	213.40	247.87	QAS	QAS	QAS	189.77	174.23	178.27	128.56	134.02	80.26	34.79	60.42	165.43	791.20	754.04	713.34	791.20	754.04	34.79	251.59	214.81	87.5%	10
11	844.82	861.80	206.08	QAS	CAL	CAL	CAL	CAL	881.70	576.07	326.69	156.16	171.87	213.12	CAL	CAL	CAL	304.21	226.71	203.03	201.33	176.65	CAL	CAL	881.70	861.80	156.16	382.16	270.77	58.3%	11
12	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	236.71	899.07	1418.38	470.46	653.85	656.41	114.75	72.82	166.33	112.44	33.10	70.96	136.03	139.08	151.51	154.33	1418.38	899.07	33.10	342.89	372.85	66.7%	12
13	173.60	173.14	QAS	QAS	CAL	CAL	CAL	200.77	176.58	QAS	SPN	SPN	96.06	114.83	121.63	170.66	46.97	16.79	120.46	165.01	105.95	64.27	134.69	177.63	200.77	177.63	16.79	128.69	51.38	66.7%	13
14	205.65	204.28	160.76	245.05	231.52	339.97	95.22	23.68	6.05	6.92	6.81	56.51	9.31	74.08	10.10	38.68	86.73	206.34	157.96	296.53	311.87	474.79	403.17	730.50	730.50	474.79	6.05	182.60	175.69	100.0%	14
15	597.05	151.66	186.55	119.44	127.48	185.19	184.24	98.55	53.20	62.24	10.13	41.77	43.14	QAS	SPN	SPN	121.78	113.51	214.58	227.73	317.06	369.02	45.01	43.84	597.05	369.02	10.13	157.77	133.93	87.5%	15
16	6.11	LIM	105.72	157.49	146.95	56.24	37.70	26.84	43.97	38.73	13.45	17.93	27.80	627.78	229.19	240.43	26.81	9.16	8.75	21.70	85.63	149.04	98.11	255.54	627.78	255.54	6.11	105.70	135.28	95.8%	16
17	291.00	LIM	298.21	386.33	407.76	644.89	419.22	348.54	375.66	796.20	100.82	63.51	25.11	83.52	LIM	LIM	6.76	7.69	10.61	LIM	9.04	38.41	20.58	11.94	796.20	644.89	6.76	217.29	229.91	83.3%	17
18	11.35	14.95	11.34	11.17	9.53	10.53	9.89	8.82	11.16	9.54	9.53	9.13	7.96	7.79	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	14.95	11.35	7.79	10.19	1.74	58.3%	18
19	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	26.18	29.07	14.97	LIM	LIM	LIM	LIM	LIM	LIM	LIM	QAS	QAS	QAS	21.35	CAL	7.79	18.69	29.07	26.18	7.79	19.67	7.04	25.0%	19
20	14.12	14.34	14.81	13.64	14.81	13.14	16.02	19.08	16.05	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	9.57	8.19	19.08	16.05	8.19	13.98	2.86	45.8%	20
21	LIM	LIM	LIM	QAS	QAS	CAL	CAL	CAL	95.81	338.71	378.21	419.39	408.47	382.41	382.41	387.29	QAS	574.88	704.31	542.10	862.32	824.50	936.28	QAS	936.28	862.32	95.81	516.93	228.58	58.3%	21
22	QAS	CAL	CAL	CAL	785.48	694.29	342.41	278.75	110.98	380.27	386.29	372.52	385.43	QAS	SPN	SPN	469.74	476.62	483.51	402.63	524.80	640.95	809.57	689.99	809.57	785.48	110.98	484.37	181.58	70.8%	22
23	535.99	704.61	675.36	647.83	813.01	816.46	794.09	859.47	646.97	611.70	552.80	631.48	576.42	526.52	436.19	460.28	390.59	351.01	465.44	301.98	435.33	577.28	560.94	513.62	859.47	816.46	301.98	578.56	146.69	100.0%	23
24	498.99	310.58	416.40	406.94	626.32	651.27	441.35	462.00	505.01	607.39	441.35	509.32	423.28	474.04	505.88	457.70	418.98	381.99	329.51	229.71	374.24	660.73	551.47	516.20	660.73	651.27	229.71	466.69	103.94	100.0%	24
25	665.90	765.69	589.33	577.28	581.58	597.93	395.75	504.15	385.43	390.59	306.28	254.66	264.12	279.61	745.91	406.94	460.28	369.08	346.71	240.89	258.96	436.19	442.21	402.63	765.69	745.91	240.89	444.50	150.80	100.0%	25
26	639.23	647.83	1188.12	737.30	507.60	333.81	299.39	385.43	262.40	278.75	214.22	319.18	357.04	449.09	457.70	449.09	521.36	604.81	377.69	234.01	341.55	443.07	770.86	2199.01	2199.01	1188.12	214.22	542.44	405.25	100.0%	26
27	452.53	392.31	393.17	384.57	346.71	373.38	364.78	474.90	517.06	400.91	391.45	475.76	524.80	509.32	414.68	528.24	527.38	570.40	617.72	320.90	505.87	997.98	1530.53	2256.65	2256.65	1530.53	320.90	594.67	426.26	100.0%	27
28	1320.61	880.98	759.67	819.03	667.62	532.54	460.28	640.95	484.37	430.17	400.91	451.67	554.91	489.53	493.83	417.26	418.12	310.58	274.44	88.61	275.31	312.30	331.23	391.45	1320.61	880.98	88.61	508.60	246.01	100.0%	28
29	457.70	344.99	272.73	354.46	373.38	416.40	203.90	177.23	74.85	480.93	593.63	555.77	511.90	QAS	SPN	SPN	549.75	505.01	533.40	491.25	344.13	352.74	610.84	911.95	911.95	610.84	74.85	434.14	175.56	87.5%	29
30	638.37	601.37	714.07	434.47	375.10	458.56	446.51	371.66	351.88	320.04	352.74	308.00	288.21	291.65	292.51	347.57	414.68	447.37	423.28	604.81	985.94	1156.28	818.17	796.67	1156.28	985.94	288.21	510.00	229.51	100.0%	30
31	791.50	656.43	450.81	425.86	348.43	389.73	598.79	546.31	510.18	452.53	416.40	412.96	390.59	416.40	416.40	411.24	386.29	428.44	557.49	461.14	700.31	909.37	893.02	714.93	909.37	893.02	348.43	528.57	161.61	100.0%	31
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum valu ch day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 631 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
2256.65 ppb-C	2199.01 ppb-C	-0.51 ppb-C	295.05 ppb-C	287.61	85.2%
May 27 11:00 pm	May 26 11:00 pm	May 2 8:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 7, 2005

Texas Natural Resource Conservation Commission

CAMS 631 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	0.9	0.9	0.6	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.2	0.27	100.0%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.7	2.0	1.7	0.9	1.3	4.5	7.9	1.5	SPN	1.3	0.5	0.3	0.2	7.9	4.5	0.0	1.1	1.78	95.8%	2
3	0.2	0.3	0.5	0.1	0.0	0.0	0.0	0.3	0.3	0.5	0.1	0.0	0.0	0.5	2.9	3.4	1.8	2.5	2.0	2.2	2.2	0.1	0.1	0.3	3.4	2.9	0.0	0.8	1.06	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.0	0.2	0.31	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.9	0.8	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.8	0.0	0.2	0.42	100.0%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.08	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	0.3	0.2	0.5	0.6	0.3	0.2	0.2	0.6	0.0	0.0	0.0	0.0	CAL	0.0	0.0	0.0	1.3	0.6	0.0	0.2	0.31	95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	CAL	CAL	CAL	2.7	2.5	8.6	4.2	2.2	2.7	9.3	10.0	5.9	0.2	10.0	9.3	0.0	2.9	3.45	70.8%	8
9	0.0	0.0	0.0	0.0	0.0	0.4	2.6	3.7	2.4	1.8	1.8	2.9	5.2	9.4	10.7	16.7	19.5	9.1	7.5	SPN	13.7	12.5	2.8	0.3	19.5	16.7	0.0	5.3	5.75	95.8%	9
10	0.0	0.2	0.3	0.8	0.0	0.0	0.0	0.2	0.3	0.4	0.2	0.5	6.9	5.4	1.4	2.6	2.5	1.9	0.3	0.0	0.0	0.0	0.0	0.0	6.9	5.4	0.0	1.0	1.74	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.1	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.1	0.16	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	1.0	2.3	0.7	2.5	3.7	9.3	7.5	5.7	4.0	7.3	3.9	6.2	0.8	0.0	0.0	0.0	9.3	7.5	0.0	2.3	2.86	100.0%	12
13	0.0	0.0	0.2	0.0	0.0	0.2	1.0	0.4	0.3	2.1	12.5	14.6	10.2	10.0	9.4	7.7	6.0	6.3	1.0	1.1	0.7	1.2	0.1	0.0	14.6	12.5	0.0	3.5	4.59	100.0%	13
14	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.8	2.0	3.1	6.0	36.2	35.0	53.7	85.9	80.4	50.3	1.8	21.0	69.8	106.2	106.2	85.9	0.0	23.0	32.72	100.0%	14
15	35.6	43.4	45.0	42.3	34.2	4.1	2.2	2.6	1.3	1.5	1.5	1.3	1.0	0.8	1.1	0.6	0.4	0.2	0.6	0.1	0.0	0.0	0.4	1.1	45.0	43.4	0.0	9.2	15.98	100.0%	15
16	1.5	0.4	0.2	0.9	1.6	0.9	0.5	0.7	0.9	1.0	1.6	0.4	0.1	0.0	0.7	2.2	1.7	1.8	1.6	SPN	0.4	1.4	0.4	0.0	2.2	1.8	0.0	0.9	0.62	95.8%	16
17	0.0	0.1	0.1	0.4	0.3	0.0	0.2	0.5	0.6	0.5	0.5	0.7	0.7	0.8	0.5	0.6	1.2	0.5	0.5	0.6	0.2	0.2	0.1	0.4	1.2	0.8	0.0	0.4	0.27	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.4	0.3	3.3	2.4	0.8	0.3	0.4	0.6	0.7	0.6	0.6	1.2	1.0	CAL	CAL	CAL	0.0	3.3	2.4	0.0	0.6	0.80	87.5%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.1	6.2	6.5	6.4	6.5	4.4	3.9	2.8	1.4	0.8	1.3	6.5	6.5	0.0	1.9	2.46	100.0%	19
20	0.5	0.0	0.0	0.0	0.0	0.0	0.8	2.8	1.4	0.6	0.2	0.1	0.3	0.4	0.5	0.3	0.5	0.4	0.8	CAL	CAL	0.8	0.7	0.5	2.8	1.4	0.0	0.5	0.61	91.7%	20
21	0.5	0.3	0.3	0.1	0.0	0.0	0.0	0.0	QAS	QAS	0.2	0.4	0.5	0.2	0.0	0.2	0.4	0.5	2.8	6.5	12.1	11.7	6.5	2.1	12.1	11.7	0.0	2.1	3.61	91.7%	21
22	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.0	0.6	2.9	2.6	1.5	1.3	4.8	1.3	0.5	0.6	0.2	0.0	0.1	4.8	2.9	0.0	0.7	1.15	100.0%	22
23	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.9	0.9	0.4	1.3	0.4	0.8	0.8	0.6	0.5	0.3	0.4	SPN	0.0	0.0	0.0	0.0	1.3	0.9	0.0	0.4	0.38	95.8%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.0		0.2	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.7	0.5	0.8	0.6	0.4		3.8	26.1	24.7	**27.9**	18.8	26.4	16.9	8.8	27.9	26.4	0.0	6.7	10.(	.0%	24
25	**10.4**	3.7	5.5	8.1	0.6	0.2	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.4	8.1	0.0	1.3	2.81	95.8%	25
26	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	**0.3**	0.0	0.3	0.1	0.0	0.0	0.07	100.0%	26
27	0.0	0.0	0.0	0.4	0.2	0.0	0.2	0.5	12.9	7.7	29.6	8.8	10.9	6.8	11.3	**44.2**	4.4	21.7	8.1	5.3	4.2	1.8	2.9	1.0	44.2	29.6	0.0	7.6	10.50	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	5.7	**13.3**	8.4	6.5	3.8	1.8	0.3	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	8.4	0.0	1.8	3.38	100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.3	**0.7**	0.5	0.5	0.3	0.3	0.5	0.2	0.2	0.1	0.7	0.5	0.0	0.2	0.21	100.0%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.1**	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 631 Sulfur Dioxide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
106.2 ppb	85.9 ppb	0.0 ppb	2.53 ppb	8.80	97.1%
April 14 11:00 pm	April 14 5:00 pm	April 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 631 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.6	0.3	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.1	0.15	100.0%	1
2	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.0	0.1	0.23	100.0%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.7	1.2	0.8	0.7	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.0	0.2	0.38	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.1	0.12	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.3	0.2	0.1	0.7	1.0	0.1	0.4	0.1	0.1	1.0	0.7	0.0	0.2	0.25	100.0%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.9	0.8	0.3	0.4	0.9	1.3	3.2	7.9	14.0	15.4	8.7	11.5	11.1	10.8	2.6	15.4	14.0	0.0	3.8	5.09	100.0%	6
7	1.6	1.6	0.7	0.5	3.9	10.6	3.5	3.5	4.0	6.9	5.4	3.1	1.5	0.6	12.3	19.3	19.3	6.5	4.5	SPN	3.3	2.6	2.1	1.6	19.3	19.3	0.5	5.2	5.24	95.8%	7
8	1.2	0.6	0.5	1.1	6.8	10.0	3.5	2.2	1.3	0.4	0.3	0.5	0.1	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.0	0.2	0.2	10.0	6.8	0.0	1.3	2.35	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.5	1.8	0.9	0.5	CAL	1.0	5.4	9.5	9.5	5.4	0.0	1.0	2.15	95.8%	9
10	5.9	1.4	0.5	0.1	0.1	0.0	0.0	0.2	0.0	QAS	QAS	QAS	CAL	CAL	CAL	12.6	14.5	9.1	1.4	1.2		8.7	16.0	15.8	16.0	15.8	0.0	5.2	6.05	70.8%	10
11	19.5	20.3	3.6	1.5	11.0	14.9	20.9	21.3	SPZ	12.8	9.9	13.0	10.6	12.4	10.2	12.3	19.1	15.3	13.2	13.5	14.9	12.9	7.1	1.7	21.3	20.9	1.5	12.7	5.46	95.8%	11
12	16.4	12.3	31.3	29.7	26.4	33.7	13.7	6.0	8.9	2.4	2.2	3.3	6.8	7.1	21.7	24.8	20.3	13.0	1.9	2.1	18.3	24.7	21.2	31.5	33.7	31.5	1.9	15.8	10.40	100.0%	12
13	23.0	28.6	29.9	5.3	0.6	0.4	0.6	0.9	0.7	0.4	0.5	0.5	1.1	0.9	1.0	0.5	0.3	0.6	0.6	0.3	0.3	0.1	0.2	0.2	29.9	28.6	0.1	4.1	8.84	100.0%	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.4	0.3	0.2	0.6	1.6	0.8	SPN	0.5	0.3	0.0	0.4	1.6	0.8	0.0	0.2	0.37	95.8%	14
15	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	4.2	4.2	7.6	3.9	9.5	13.1	1.7	2.0	1.4	0.1	13.1	9.5	0.0	2.0	3.40	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.09	100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.1	3.8	1.1	0.9	1.0	0.7	0.9	1.1	0.6	0.5	0.3	0.1	0.3	0.5	0.2	0.0	3.8	1.1	0.0	0.6	0.78	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.3	0.1	CAL	CAL	0.0	0.0	0.0	0.5	0.3	0.0	0.1	0.13	91.7%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.2	0.2	0.1	0.1	0.3	0.2	0.4	0.2	0.2	0.1	0.0	0.0	0.4	0.3	0.0	0.1	0.11	91.7%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	1.3	3.2	5.7	5.5	2.4	0.7	0.5	0.0	0.0	0.0	5.7	5.5	0.0	0.9	1.64	100.0%	20
21	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.6	1.8	4.3	3.3	1.5	SPN	0.3	0.0	0.0	0.0	4.3	3.3	0.0	0.6	1.12	95.8%	21
22	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.5	0.5	0.0	0.1	0.18	100.0%	22

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
23	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0		0.3	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.0	0.1	0.12	0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.4	1.2	0.2	0.2	0.0	0.0	0.0	2.4	2.1	0.0	0.3	0.65	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.10	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	1.5	2.7	2.4	1.4	0.2	0.0	0.1	0.0	0.0	0.3	2.7	2.4	0.0	0.4	0.80	100.0%	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.3	1.7	4.0	3.8	2.2	14.2	7.2	1.6	0.4	0.2	14.2	7.2	0.0	1.5	3.15	100.0%	27
28	0.0	0.0	4.6	14.7	2.6	0.3	0.1	0.1	0.1	0.8	0.4	0.4	0.2	0.2	0.2	0.4	1.0	1.3	0.6	SPN	0.6	0.3	1.2	0.4	14.7	4.6	0.0	1.3	3.01	95.8%	28
29	0.1	0.1	0.0	0.0	0.0	0.0	0.3	1.3	2.3	0.6	0.1	0.0	0.0	0.0	0.2	0.9	0.4	0.7	3.3	1.3	0.7	0.2	0.1	1.4	3.3	2.3	0.0	0.6	0.81	100.0%	29
30	0.3	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.3	0.0	0.1	0.12	100.0%	30
31	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.5	0.0	0.0	0.0	1.0	0.5	0.0	0.1	0.22	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 631 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
33.7 ppb	31.5 ppb	0.0 ppb	1.85 ppb	4.90	97.7%
May 12 5:00 am	May 12 11:00 pm	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

CAMS 631 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.6	0.5	0.4	0.3	0.5	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.6	1.0	0.5	1.0	0.6	0.0	0.3	0.26	100.0%	1
2	0.2	0.3	1.8	1.4	1.2	1.8	1.8	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.0	1.2	1.3	1.6	3.0	3.0	1.8	0.0	0.8	0.80	100.0%	2
3	3.1	2.2	2.1	1.8	1.4	1.6	SPN	SPN	SPN	0.1	0.3	0.3	0.3	0.2	0.4	0.5	0.5	0.3	0.2	0.6	0.8	0.0	0.9	0.2	3.1	2.2	0.0	0.8	0.84	87.5%	3
4	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.4	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.3	0.0	0.0	0.0	0.1	0.1	0.5	0.4	0.0	0.1	0.14	100.0%	4
5	0.1	0.1	0.2	0.2	0.0	0.2	0.2	0.2	0.4	0.6	0.6	0.8	1.2	0.4	0.4	0.1	0.1	0.4	0.9	1.4	1.5	2.6	2.2	0.7	2.6	2.2	0.0	0.7	0.67	100.0%	5
6	1.4	0.4	0.6	0.8	2.1	2.1	0.9	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4	0.3	0.6	2.1	2.1	0.0	0.5	0.61	100.0%	6
7	1.4	0.6	0.3	0.2	0.7	0.4	0.2	0.8	0.6	0.6	1.1	0.9	0.3	0.8	1.6	1.3	0.6	1.0	1.2	1.6	3.5	3.3	1.8	4.3	4.3	3.5	0.2	1.2	1.05	100.0%	7
8	3.8	2.9	1.8	1.5	0.8	3.1	1.0	QAS	QAS	QAS	QAS	0.2	0.5	0.6	0.3	0.1	CAL	CAL	CAL	CAL	CAL	4.7	5.6	3.7	5.6	4.7	0.1	2.0	1.72	62.5%	8
9	2.4	3.0	3.1	1.4	1.1	0.9	2.6	3.0	2.8	1.9	2.2	2.1	2.3	2.3	2.3	2.3	2.7	1.7	2.0	2.6	1.9	2.1	1.9	1.4	3.1	3.0	0.9	2.2	0.57	100.0%	9
10	1.9	2.2	2.0	2.2	2.0	2.0	SPN	SPN	SPN	1.1	1.3	1.3	0.7	0.8	2.4	0.6	0.6	0.7	0.5	0.7	0.6	0.6	0.5	0.9	2.4	2.2	0.5	1.2	0.68	87.5%	10
11	0.8	0.8	0.9	0.9	1.4	0.5	0.6	0.5	0.2	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.9	0.0	0.3	0.39	100.0%	11
12	0.0	0.0	0.0	0.0	2.5	0.5	1.7	2.6	2.0	1.1	0.6	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	2.6	2.5	0.0	0.5	0.82	100.0%	12
13	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.2	1.2	0.9	0.0	0.1	0.30	100.0%	13
14	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.5	0.3	0.0	0.0	0.12	100.0%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.4	0.0	0.1	0.6	0.9	0.9	0.6	0.0	0.1	0.22	100.0%	15
16	1.0	1.9	1.9	1.7	1.5	1.2	0.5	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.6	1.2	0.5	0.5	0.9	0.8	0.4	1.2	1.8	0.3	1.9	1.9	0.1	0.8	0.60	100.0%	16
17	0.4	2.7	2.7	2.4	2.9	3.7	SPN	SPN	SPN	0.9	0.6	0.6	0.7	1.0	0.6	0.3	0.8	0.7	0.8	1.1	1.2	1.2	1.1	1.3	3.7	2.9	0.3	1.3	0.93	87.5%	17
18	0.7	0.8	1.0	1.0	1.5	6.3	2.7	1.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	CAL	CAL	CAL	CAL	CAL	0.7	1.9	2.0	2.0	6.3	2.7	0.0	1.3	1.43	79.2%	18
19	2.3	2.1	1.7	0.2	0.4	1.5	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	4.1	2.3	0.0	0.6	1.05	100.0%	19
20	0.4	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.1	0.15	100.0%	20
21	0.0	0.4	0.0	0.0	0.0	0.0	CAL	CAL	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.09	83.3%	21
22	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.09	100.0%	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	23

24	0.0		0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.2	0.0		0.0	0.0	0.0	0.0	0.0	0.1	**0.2**	0.1	0.2	0.2	0.0	0.0	0.0	5%	24
25	0.3	1.2	0.6	0.7	0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.4	**0.0**	0.6	QAS	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.1	**2.5**	2.5	1.2	0.0	0.3	**0.56**	95.8%	25
26	1.1	1.0	1.0	0.5	**1.2**	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.2	1.1	0.0	0.2	0.42	100.0%	26
27	0.0	0.0	0.0	0.6	0.4	**1.3**	0.8	0.7	0.9	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	1.3	0.9	0.0	0.2	0.35	100.0%	27
28	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	**0.5**	0.5	0.5	0.5	0.0	0.1	0.16	100.0%	28
29	0.7	0.5	0.8	1.0	1.1	0.3	0.0	0.5	1.2	0.6	0.7	0.6	0.2	0.0	0.1	0.0	0.1	0.1	0.2	0.6	1.0	**2.1**	1.3	0.6	2.1	1.3	0.0	0.6	0.51	100.0%	29
30	0.3	**0.3**	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.0	0.09	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
Maximum values for each day are **highlighted** within the table.																															
Hydrogen Sulfide is measured in parts per billion																															

CAMS 631 Hydrogen Sulfide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
6.3 ppb	5.6 ppb	0.0 ppb	0.53 ppb	0.84	95.7%
April 18 5:00 am	April 8 10:00 pm	April 1 11:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

CAMS 631 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Ave	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.5	0.3	0.1	0.2	0.2	0.0	0.5	0.4	0.0	0.2	0.15	87.5%	1
2	0.0	0.0	0.0	0.0	0.3	0.9	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.0	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.9	0.4	0.0	0.2	0.20	100.0%	2
3	0.1	0.2	0.3	0.3	0.4	0.5	0.4	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.1	0.3	0.3	0.3	0.6	0.5	0.1	0.3	0.13	100.0%	3
4	0.3	0.3	0.4	0.6	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.5	0.1	0.6	0.5	0.1	0.3	0.13	100.0%	4
5	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.8	0.5	0.6	0.4	0.9	0.9	0.8	0.0	0.3	0.23	100.0%	5
6	1.1	1.3	1.6	2.7	1.0	2.3	1.8	0.6	0.8	2.1	2.6	2.2	2.0	1.7	1.3	1.2	1.2	0.4	0.5	0.8	0.4	0.5	0.7	2.4	2.7	2.6	0.4	1.4	0.72	100.0%	6
7	2.6	4.8	2.4	2.5	3.2	2.5	3.6	2.4	1.8	1.9	1.9	1.5	1.4	1.3	1.5	3.3	9.7	7.3	7.2	7.3	8.2	7.5	7.6	7.6	9.7	8.2	1.3	4.2	2.69	100.0%	7
8	6.9	6.3	6.8	8.7	9.8	9.8	SPN	SPN	SPN	2.0	3.6	3.6	3.3	2.6	1.6	0.9	0.6	0.6	0.8	0.6	0.4	0.9	1.6	0.8	9.8	9.8	0.4	3.4	3.17	87.5%	8
9	0.9	0.4	0.5	1.4	0.5	0.3	0.6	1.4	1.5	1.0	0.5	0.3	0.1	0.1	0.1	0.0	0.4	0.9	0.8	0.9	0.5	1.1	2.0	1.5	2.0	1.5	0.0	0.7	0.53	100.0%	9
10	1.7	1.1	1.4	1.2	1.5	1.3	1.5	1.0	0.4	QAS	QAS	QAS	1.6	0.7	0.6	1.0	0.9	0.8	1.0	1.1	1.3				1.7	1.6	0.4	1.1	0.35	75.0%	10
11	CAL	CAL	CAL	QAS	2.5	2.2	2.0	1.7	CAL	CAL	CAL	CAL	QAS	CAL	3.6	2.2	CAL	CAL	CAL	CAL	CAL	QAS	3.6	2.4	3.6	3.6	1.7	2.5	0.66	33.3%	11
12	2.3	2.0	1.7	1.4	1.6	1.6	1.3	1.1	CAL	CAL	CAL	CAL	CAL	1.9	2.3	1.6	1.0	0.9	1.0	0.9	1.5	CAL	CAL	CAL	2.3	2.3	0.9	1.5	0.45	66.7%	12
13	CAL	3.4	2.4	1.5	0.8	1.5	1.5	2.2	1.8	0.3	0.4	0.8	1.4	1.2	1.4	1.4	1.2	1.2	1.6	1.8	1.7	2.2	2.8	2.9	3.4	2.9	0.3	1.6	0.75	95.8%	13
14	1.6	1.8	1.3	1.5	2.0	2.1	1.9	1.6	1.2	1.2	1.0	1.2	1.0	1.2	0.9	1.1	1.6	2.1	1.7	1.3	2.7	2.9	2.1	2.1	2.9	2.7	0.9	1.6	0.51	100.0%	14
15	2.2	10.5	12.9	7.8	4.0	11.2	SPN	SPN	SPN	1.8	1.8	1.6	1.7	0.7	0.6	1.0	1.7	1.4	2.4	10.7	2.4	13.2	4.9	2.9	13.2	12.9	0.6	4.6	4.28	87.5%	15
16	4.0	4.9	3.6	5.1	5.4	5.5	3.2	3.2	2.3	1.7	1.4	1.4	1.3	1.7	2.1	1.7	1.3	1.1	1.1	0.8	1.1	1.5	1.7	1.6	5.5	5.4	0.8	2.4	1.48	100.0%	16
17	1.7	1.7	1.9	2.6	3.6	2.5	2.0	2.1	1.6	1.7	1.4	1.4	1.2	1.2	0.9	0.6	0.6	0.6	0.7	0.8	1.9	2.3	1.9	1.3	3.6	2.6	0.6	1.6	0.72	100.0%	17
18	1.4	1.7	1.8	2.0	1.9	2.7	2.2	1.5	1.7	1.3	0.8	0.9	1.0	0.9	0.3	0.9	0.9	0.9	0.8	0.9	1.1	2.0	1.9	0.8	2.7	2.2	0.3	1.3	0.58	100.0%	18
19	0.6	0.7	0.8	0.7	0.6	0.5	CAL	CAL	CAL	CAL	1.4	0.1	0.3	CAL	CAL	CAL	CAL	CAL	2.8	3.2	2.9	2.7	5.7	5.0	5.7	5.0	0.1	1.9	1.70	62.5%	19
20	6.4	3.6	2.5	2.7	3.1	2.8	2.1	2.8	1.7	2.0	1.5	1.8	1.5	0.7	1.5	2.0	2.7	2.4	1.9	2.1	2.0	1.7	1.5	2.0	6.4	3.6	0.7	2.3	1.05	100.0%	20
21	1.8	2.4	2.8	4.0	3.6	3.6	3.9	4.0	4.0	3.5	2.6	2.2	2.3	2.5	2.5	2.6	2.8	2.7	4.1	2.8	3.1	3.1	3.2	2.8	4.1	4.0	1.8	3.0	0.63	100.0%	21
22	2.6	2.9	3.3	4.2	4.5	4.4	SPN	SPN	SPN	3.4	2.3	1.7	1.5	1.8	1.3	1.0	1.1	1.0	1.4	2.2	1.5	1.1	1.1	0.9	4.5	4.4	0.9	2.1	1.16	87.5%	22
23	1.4	0.9	0.6	0.6	2.5	2.8	2.8	4.0	1.9	2.1	1.5	0.9	0.6	0.6	0.6	1.0	0.8	0.6	0.7	0.7	0.2	0.2	0.4	0.7	4.0	2.8	0.2	1.2	0.96	100.0%	23
24	0.6	0.7	0.8	0.6	0.9	0.3	0.5	0.3	0.7	1.1	0.7	1.0	0.6	0.5	0.5	0.5	0.4	0.2	0.0	0.0	0.2	0.6	0.4	0.8	1.1	1.0	0.0	0.5	0.27	100.0%	24
25	1.0	1.1	1.4	1.1	0.3	0.5	1.0	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.1	0.7	0.8	0.1	0.7	1.0	1.4	1.4	1.4	0.0	0.6	0.47	100.0%	25

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
26	1.0		2.0	1.2	0.8	0.7	0.7	0.5	0.2	0.2	0.0	0.3	0.7	0.7	0	8	1.2	1.0	0.9	1.0	0.8	1.0	2.5	5.2	5.2	2.5	0.0	1.1	1.(	.0%	26
27	1.7	1.0	0.8	0.7	0.8	0.9	1.0	0.5	0.6	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.5	0.4	0.4	1.2	2.5	1.2	1.3	1.8	2.5	1.8	0.4	0.9	0.52	100.0%	27
28	1.3	1.6	2.7	1.6	1.8	1.1	0.9	1.2	0.8	0.8	0.4	0.5	0.5	0.4	0.5	0.7	1.0	0.5	0.6	0.7	0.5	0.6	0.4	0.3	2.7	1.8	0.3	0.9	0.56	100.0%	28
29	0.7	1.3	1.3	1.2	1.2	1.4	SPN	SPN	SPN	2.0	2.1	2.1	1.7	1.3	0.9	1.0	1.3	1.5	1.3	1.5	1.9	2.2	2.3	2.6	2.6	2.3	0.7	1.6	0.50	87.5%	29
30	4.1	5.1	3.1	3.7	3.9	3.3	5.0	3.2	1.5	0.9	1.0	0.6	0.3	0.3	0.1	0.4	0.7	0.8	0.9	1.2	1.4	1.6	3.2	2.6	5.1	5.0	0.1	2.0	1.55	100.0%	30
31	4.2	3.6	4.2	5.0	3.4	6.3	8.0	3.4	1.6	2.6	1.9	0.8	0.5	0.6	0.7	0.6	0.6	1.0	1.4	1.7	1.6	2.3	2.7	1.6	8.0	6.3	0.5	2.5	1.90	100.0%	31

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 631 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
13.2 ppb	12.9 ppb	0.0 ppb	1.58 ppb	1.74	92.6%
May 15 9:00 pm	May 15 2:00 am	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

NOT AN AUTO GC SITE

CAMS 632

Up River Road - FHR

Site 1.f

June 15, 2005

CAMS 632 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	136.00	161.87	272.87	179.66	99.13	94.98	121.35	109.23	155.88	91.73	94.17	131.59	76.81	54.30	102.33	154.99	216.46	319.47	**361.35**	209.95	110.93	132.78	250.67	218.50	361.35	319.47	54.30	160.71	77.30	100.0%	1
2	164.19	178.38	201.11	426.14	298.61	192.39	599.66	228.27	650.50	283.61	45.26	135.74	61.79	2.35	1.18	11.11	90.86	7.13	0.99	166.89	20.18	695.15	1238.16	**1308.85**	1308.85	1238.16	0.99	292.02	357.42	100.0%	2
3	1910.92	661.37	353.08	1683.65	**1941.94**	1868.56	1721.10	1575.00	1080.70	638.49	718.31	797.87	241.63	250.87	QAS	SPN	SPN	106.89	89.23	56.78	41.53	239.38	113.70	109.62	1941.94	1910.92	41.53	771.46	697.33	87.5%	3
4	619.00	212.93	267.13	**1003.91**	440.60	363.79	290.82	233.06	426.86	393.76	625.16	292.10	533.93	276.85	49.01	62.80	51.76	36.67	81.36	139.12	200.15	185.79	117.52	111.07	1003.91	625.16	36.67	292.30	226.82	100.0%	4
5	110.17	436.62	655.60	**1730.25**	1145.58	1589.31	1097.75	424.32	835.84	898.53	736.23	447.80	604.90	609.01	654.74	119.47	186.97	175.97	199.15	107.02	143.66	366.94	662.17	437.78	1730.25	1589.31	107.02	598.99	436.34	100.0%	5
6	251.50	40.02	114.80	587.54	**805.35**	525.52	380.07	252.97	242.74	197.76	150.03	86.25	75.06	73.36	54.28	79.78	27.74	34.10	10.56	19.95	14.39	77.26	99.08	179.19	805.35	587.54	10.56	182.47	199.60	100.0%	6
7	184.70	235.54	206.50	174.07	209.37	170.09	205.77	168.33	145.02	120.96	54.83	40.22	82.19	QAS	QAS	QAS	QAS	83.59	139.88	149.00	207.51	196.40	**300.42**	288.20	300.42	288.20	40.22	168.13	67.59	83.3%	7
8	268.45	380.40	304.63	453.71	310.63	822.56	871.53	**1338.13**	834.60	588.04	316.09	144.41	190.88	137.21	148.69	139.24	149.51	69.02	38.10	56.95	39.48	189.06	4.46	323.98	1338.13	871.53	4.46	338.32	324.39	100.0%	8
9	**440.67**	170.85	-0.58	62.24	14.72	4.56	28.05	57.95	155.02	229.74	190.37	313.57	148.17	44.98	67.50	8.70	15.95	11.64	35.66	7.54	5.69	0.18	125.87	113.95	440.67	313.57	-0.58	93.87	110.06	100.0%	9
10	66.45	194.71	212.98	125.59	166.06	134.92	293.67	366.42	468.69	699.08	**1027.33**	921.54	171.85	106.22	QAS	SPN	SPN	97.69	115.94	116.11	182.67	226.11	202.37	52.51	1027.33	921.54	52.51	283.28	267.53	87.5%	10
11	453.13	97.77	255.11	269.02	208.75	174.07	149.75	134.54	150.76	150.91	160.94	159.68	111.66	95.17	69.62	55.48	83.44	137.18	240.27	474.42	388.62	450.42	**546.53**	410.39	546.53	474.42	55.48	226.15	143.65	100.0%	11
12	265.39	187.75	279.78	393.38	443.78	837.70	629.33	**1724.10**	916.83	722.98	317.27	217.37	187.63	260.51	140.13	42.13	33.09	59.59	23.06	27.67	1013.87	1548.81	943.99	1116.12	1724.10	1548.81	23.06	513.84	477.59	100.0%	12
13	1844.44	1869.62	1228.47	180.83	264.38	136.90	207.68	250.25	400.61	246.42	329.93	381.23	358.81	368.05	325.74	262.32	161.55	208.37	306.09	1117.71	994.34	**1952.79**	1462.94	1112.04	1952.79	1869.62	136.90	665.48	595.50	100.0%	13
14	**1356.52**	777.88	355.20	445.91	511.81	179.69	273.53	262.40	286.21	124.71	123.40	59.39	140.23	227.04	156.25	183.00	107.19	48.11	60.53	72.83	586.50	1140.80	1238.70	105.48	1356.52	1238.70	48.11	367.64	377.68	100.0%	14
15	43.49	106.89	110.49	178.94	**646.49**	318.71	299.51	178.89	111.10	74.87	93.91	62.39	77.13	94.52	83.96	69.87	82.02	87.99	95.32	158.81	207.24	184.30	79.50	33.27	646.49	318.71	33.27	144.98	126.64	100.0%	15
16	145.45	69.02	166.96	125.06	28.65	103.64	117.85	67.50	38.76	32.88	56.09	70.10	87.91	67.33	23.38	30.24	53.77	36.21	29.91	2.42	-2.04	1.69	364.25	**1441.85**	1441.85	364.25	-2.04	131.62	283.19	100.0%	16
17	**984.57**	167.78	83.11	-2.06	-1.99	-2.06	2.40	2.65	22.08	57.28	183.45	-2.06	20.71	QAS	QAS	CAL	CAL	CAL	5.42	0.10	12.16	22.48	40.03	249.98	984.57	249.98	-2.06	97.16	220.97	79.2%	17
18	**1179.89**	171.10	649.20	533.80	199.74	7.81	114.33	158.70	321.07	87.40	61.08	350.08	279.14	64.98	155.08	302.56	52.95	20.98	13.20	100.73	112.35	454.74	374.24	740.35	1179.89	740.35	7.81	271.06	273.75	100.0%	18
19	538.39	549.50	685.67	140.60	67.68	69.69	**925.05**	810.58	302.00	721.34	480.17	413.22	461.54	459.73	191.26	161.27	162.00	4.08	6.25	12.42	1.23	1.82	31.84	114.60	925.05	810.58	1.23	304.66	282.60	100.0%	19
20	227.96	507.11	707.37	**970.17**	98.34	322.81	94.46	38.06	272.89	474.20	58.66	74.09	61.17	23.13	5.02	46.83	13.97	7.45	4.03	13.25	13.87	32.56	63.20	0.00	970.17	707.37	0.00	172.11	248.71	100.0%	20
21	8.79	40.02	65.58	741.59	677.30	1605.10	**1756.68**	1200.15	1131.85	728.48	705.51	538.41	256.08	51.94	QAS	QAS	CAL	CAL	12.81	11.52	3.54	0.90	8.09	699.36	1756.68	1605.10	0.90	512.18	548.99	83.3%	21
22	1402.96	**1717.53**	1069.82	1071.95	1462.83	944.82	1009.15	568.07	671.16	202.17	194.80	181.97	246.33	112.06	318.82	692.35	190.65	117.71	440.41	777.42	1485.30	1689.36	1700.49	389.11	1717.53	1700.49	112.06	777.38	549.62	100.0%	22
23	213.67	402.67	**451.74**	391.55	364.65	342.41	360.88	380.11	326.68	357.97	297.84	255.66	190.95	157.51	118.61	65.50	54.62	121.43	142.97	103.51	189.90	196.84	209.91	318.64	451.74	402.67	54.62	250.68	115.44	100.0%	23
24	**444.32**	176.84	169.60	178.54	195.93	172.17	215.77	158.76	119.92	30.73	21.93	80.93	99.31	125.62	QAS	SPN	SPN	23.04	35.13	1.17	23.48	18.18	9.21	10.86	444.32	215.77	1.17	110.07	103.64	87.5%	24
25	86.38	460.94	452.43	201.33	331.07	94.31	244.47	605.70	285.63	135.98	127.50	85.95	911.46	771.64	987.45	942.27	735.39	315.24	672.89	568.71	414.01	139.61	732.22	**1514.93**	1514.93	987.45	85.95	492.40	356.06	100.0%	25
26	732.52	**1005.72**	272.83	56.95	87.60	160.67	182.92	176.84	334.14	503.23	331.65	251.85	159.63	154.07	149.91	120.55	83.72	126.48	268.75	380.08	164.74	296.81	161.41	280.13	1005.72	732.52	56.95	268.47	211.95	100.0%	26
27	365.74	443.25	340.78	927.71	**1782.01**	856.87	973.23	295.62	179.03	240.59	307.88	506.79	QAS	QAS	415.71	129.47	314.81	209.88	124.01	72.94	131.06	314.84	220.77	181.99	1782.01	973.23	72.94	424.32	386.33	91.7%	27
28	955.32	697.55	972.48	988.60	**1632.91**	1540.75	701.87	942.47	1018.18	1045.26	873.17	494.05	396.10	654.98	274.18	265.24	181.17	187.46	100.75	169.99	560.74	845.24	1200.81	1484.30	1632.91	1540.75	100.75	757.65	438.50	100.0%	28
29	1025.62	1123.94	971.85	700.84	**1369.58**	1319.59	1045.10	1039.40	764.89	644.21	541.37	657.85	286.19	123.12	317.07	166.06	79.58	12.77	26.45	21.54	32.61	33.33	25.67	15.22	1369.58	1319.59	12.77	514.33	463.39	100.0%	29
30	12.16	279.45	150.16	281.86	381.03	422.81	**427.70**	363.94	355.36	404.83	357.89	400.10	416.81	344.50	193.20	154.28	111.26	138.44	202.17	236.30	268.83	394.02	417.47	306.03	427.70	422.81	12.16	292.53	115.73	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 632 T	Methane Organic Compounds Monthly Statistics for April 2005				
Max	SH	Min	Avg	STD	Cap
1952.79 ppb-C	1941.94 ppb-C	-2.06 ppb-C	350.40 ppb-C	399.48	96.7%
April 13 9:00 pm	April 3 4:00 am	April 17 3:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

CAMS 632 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	164.41	147.68	213.54	258.15	262.59	381.33	436.32	**437.78**	176.92	125.91	136.86	53.47	13.99	47.42	QAS	SPN	SPN	45.11	47.51	64.63	217.29	259.80	246.55	137.34	437.78	436.32	13.99	184.50	122.79	87.5%	1
2	228.12	213.31	233.32	168.74	**483.88**	69.86	137.46	151.17	70.58	QAS	QAS	QAS	QAS	CAL	CAL	CAL	6.67	-0.02	-0.05	6.33	5.24	48.18	82.66	0.00	483.88	233.32	-0.05	112.09	124.12	70.8%	2
3	77.89	160.41	122.42	68.19	250.93	70.26	310.78	**351.66**	263.97	122.08	58.96	5.58	33.99	37.58	2.98	14.63	28.18	4.79	3.13	1.91	3.82	4.42	15.30	0.00	351.66	310.78	0.00	83.91	104.60	100.0%	3
4	2.65	77.99	37.02	-0.07	11.11	-0.02	29.95	29.84	10.79	116.99	**393.74**	158.04	105.63	27.49	19.43	0.00	15.68	22.47	26.99	6.15	12.50	52.82	19.74	55.59	393.74	158.04	-0.07	51.35	81.68	100.0%	4
5	39.91	37.09	82.76	580.96	642.76	775.52	**1347.35**	72.02	9.33	88.51	32.30	56.41	119.08	137.18	115.10	105.40	134.13	68.71	36.61	24.34	3.85	16.64	14.11	9.63	1347.35	775.52	3.85	189.57	317.19	100.0%	5
6	154.92	459.25	**990.30**	103.40	781.25	929.75	679.57	148.39	292.21	34.58	30.99	84.77	41.52	18.13	29.89	13.32	37.65	5.54	7.19	11.31	10.79	15.80	11.44	18.21	990.30	929.75	5.54	204.59	308.26	100.0%	6
7	41.43	19.99	75.12	76.95	7.86	4.02	20.42	74.82	**342.09**	131.80	137.81	265.46	103.47	113.99	45.22	82.83	31.86	55.40	35.85	34.40	91.67	87.44	123.24	233.68	342.09	265.46	4.02	93.20	81.69	100.0%	7
8	354.10	521.43	328.42	78.51	31.88	8.83	11.49	0.12	37.76	25.83	56.01	159.14	438.61	159.34	QAS	SPN	SPN	63.04	250.33	3.97	176.01	34.97	398.87	**1037.98**	1037.98	521.43	0.12	198.89	245.49	87.5%	8
9	531.07	451.20	13.32	16.25	76.25	343.56	567.32	545.69	522.37	716.91	QAS	QAS	QAS	QAS	QAS	QAS	QAS	CAL	CAL	CAL	**1045.85**	55.18	-0.07	17.93	1045.85	716.91	-0.07	350.20	315.84	58.3%	9
10	53.75	230.99	425.93	1159.03	1219.44	**1288.54**	259.01	826.75	QAS	QAS	CAL	CAL	CAL	257.57	178.17	24.25	23.84	24.59	33.68	-2.47	-3.72	-7.94	-7.92	5.13	1288.54	1219.44	-7.94	315.19	440.85	79.2%	10
11	-7.79	21.20	126.74	**366.71**	-7.94	-7.90	-7.84	2.72	65.33	95.99	101.13	24.91	64.05	98.26	67.20	84.62	45.67	-1.58	4.81	-0.08	-6.02	-7.53	-2.52	28.13	366.71	126.74	-7.94	47.84	78.81	100.0%	11
12	27.44	78.97	82.18	14.28	16.88	2.14	20.82	54.23	87.59	79.03	61.85	**114.37**	103.96	58.89	0.40	19.05	13.47	-3.98	81.02	37.89	-7.26	8.44	-4.42	-2.40	114.37	103.96	-7.26	39.37	37.76	100.0%	12
13	0.44	26.10	-2.17	862.93	**951.43**	140.09	288.72	67.63	88.28	168.14	78.28	-2.79	34.14	28.66	34.20	14.36	2.64	4.66	-7.94	-7.74	-7.90	-7.94	-6.86	368.24	951.43	862.93	-7.94	129.82	252.91	100.0%	13
14	1167.79	568.01	598.08	790.81	**1212.57**	910.27	100.42	102.59	27.18	136.44	77.57	38.76	77.98	34.04	146.64	199.98	114.90	73.74	61.95	18.80	55.63	702.24	919.16	634.57	1212.57	1167.79	18.80	365.42	389.79	100.0%	14
15	394.55	1205.89	661.42	1139.77	1140.98	394.57	923.05	411.12	154.59	174.40	68.41	27.36	52.30	86.72	QAS	SPN	SPN	16.73	0.71	403.55	1014.88	**1561.25**	1060.67	216.72	1561.25	1205.89	0.71	529.03	479.10	87.5%	15
16	159.75	300.00	72.97	223.33	456.42	270.82	388.82	258.44	331.88	232.31	113.76	50.09	446.95	**1663.62**	614.24	558.21	123.83	245.87	34.66	140.68	139.49	113.66	104.46	342.31	1663.62	614.24	34.66	307.77	322.11	100.0%	16
17	132.06	205.86	482.99	1281.06	116.32	238.57	**1489.02**	151.51	321.69	509.93	340.96	200.48	0.37	-0.86	-0.82	0.08	-0.76	-0.89	-0.91	-0.91	-0.49	3.67	0.08	2.29	1489.02	1281.06	-0.91	227.97	382.83	100.0%	17
18	4.47	18.98	13.49	**68.04**	3.78	2.00	2.04	13.50	12.56	15.34	8.16	1.08	2.14	-0.17	-0.89	-0.77	-0.60	-0.35	-1.40	-0.97	-1.40	-1.38	-0.99	0.87	68.04	18.98	-1.40	6.56	14.20	100.0%	18
19	2.69	2.47	10.01	-0.27	9.54	4.88	16.53	**25.43**	16.56	21.27	12.71	5.70	7.74	2.44	-0.81	-1.33	23.18	9.53	0.09	-0.96	-1.38	-1.60	-1.50	-0.81	25.43	23.18	-1.60	6.75	8.36	100.0%	19
20	21.93	43.12	65.20	1.38	1.26	16.21	0.32	8.19	11.27	8.81	2.67	-0.84	0.71	2.42	2.35	2.30	-0.18	-1.08	-1.60	1.03	40.04	53.46	**93.90**	38.71	93.90	65.20	-1.60	17.15	24.90	100.0%	20
21	54.10	43.02	60.40	QAS	QAS	CAL	CAL	CAL	-4.33	-10.39	-5.20	55.43	119.53	62.36	89.21	174.96	41.57	18.19	457.31	1528.71	638.34	1915.00	**2924.91**	1805.01	2924.91	1915.00	-10.39	524.64	835.86	79.2%	21
22	3199.47	3535.53	6667.92	**7112.24**	629.67	1172.73	578.57	217.40	64.96	QAS	176.69	586.37	27.72	425.27	QAS	SPN	SPN	199.21	147.24	364.64	379.36	571.64	1164.94	3247.97	7112.24	6667.92	27.72	1523.48	2081.44	83.3%	22
23	QAS	QAS	CAL	CAL	CAL	2340.99	2347.58	1266.05	733.11	903.61	580.72	677.09	538.71	299.83	208.40	4.94	4.12	-5.77	37.07	74.96	288.30	752.87	**3448.89**	2083.17	3448.89	2347.58	-5.77	872.88	961.98	79.2%	23
24	3215.78	2612.82	376.44	1048.59	2417.60	**4663.86**	2230.61	2536.21	979.39	717.45	649.91	682.86	641.67	779.23	747.11	319.60	76.60	132.61	133.44	112.02	255.35	1537.87	2074.93	1772.63	4663.86	3215.78	76.60	1279.77	1156.13	100.0%	24
25	1541.99	812.18	**3615.56**	2678.71	2798.97	2555.98	1058.47	1004.10	1132.60	697.68	1154.84	513.17	499.17	728.16	255.35	481.05	45.30	-0.83	38.71	46.12	-4.95	1.64	-6.59	10.71	3615.56	2798.97	-6.59	902.42	1014.16	100.0%	25
26	1415.96	2889.58	1822.87	3321.49	260.29	278.41	224.87	649.08	47.77	4.12	7.41	28.00	32.12	166.39	589.77	258.64	238.05	191.10	68.36	50.24	9.06	147.44	4736.91	**7139.15**	7139.15	4736.91	4.12	1024.05	1757.52	100.0%	26
27	2946.16	314.65	330.31	335.25	84.02	132.61	306.42	168.86	200.16	177.92	398.67	220.75	177.09	302.30	347.60	460.45	545.29	66.72	41.18	33.77	42.83	350.07	1355.83	**4415.92**	4415.92	2946.16	33.77	573.12	995.13	100.0%	27
28	2287.45	2307.22	59.30	110.37	1841.82	851.72	**3623.51**	759.46	1706.73	775.11	850.07	742.16	1037.05	621.08	416.80	713.33	139.20	101.31	70.84	65.07	30.47	28.00	64.25	805.59	3623.51	2307.22	28.00	833.66	897.69	100.0%	28
29	1093.89	260.29	157.33	32.95	124.38	106.26	**2093.05**	420.91	24.71	153.21	136.73	357.49	542.00	92.25	QAS	SPN	SPN	319.60	730.63	794.06	317.95	154.86	118.61	630.14	2093.05	1093.89	24.71	412.44	466.92	87.5%	29
30	1820.40	672.15	1083.18	738.05	1088.12	347.61	678.74	236.41	121.09	53.54	29.65	37.07	0.00	7.41	27.18	46.95	28.83	124.38	95.55	1871.47	2852.52	2645.76	**3106.22**	529.65	3106.22	2852.52	0.00	760.08	958.65	100.0%	30
31	1122.72	238.05	104.61	133.44	373.96	55.19	62.60	60.13	36.24	84.02	63.43	56.01	79.08	77.43	127.67	150.74	176.27	133.44	121.91	153.21	1214.15	**1446.44**	938.21	902.79	1446.44	1214.15	36.24	329.66	423.47	100.0%	31
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 632 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
7139.15 ppb-C	7112.24 ppb-C	-10.39 ppb-C	398.02 ppb-C	809.56	93.5%
May 26 11:00 pm	May 22 3:00 am	May 21 9:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 7, 2005

Texas Natural Resource Conservation Commission

CAMS 632 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	2.2	0.7	0.8	1.9	1.6	1.1	1.1	0.7	1.4	1.7	2.1	2.2	1.4	2.0	1.6	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0	1.0	0.79	100.0%	1
2	0.0	0.0	0.0	0.4	0.2	0.0	0.7	0.0	0.4	0.3	1.0	2.3	2.5	2.0	1.2	3.2	13.6	5.5	0.6	SPN	0.2	0.1	0.2	0.0	13.6	5.5	0.0	1.5	2.90	95.8%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.08	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.06	100.0%	5
6	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	2.1	3.3	1.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.4	0.7	3.3	2.1	0.0	0.4	0.76	100.0%	6
7	0.6	0.3	0.0	0.8	0.7	0.6	1.7	0.6	1.0	1.7	2.1	1.3	0.9	QAS	QAS	QAS	QAS	0.7	0.6	0.5	0.5	0.5	0.2	0.6	2.1	1.7	0.0	0.8	0.51	83.3%	7
8	0.3	0.3	0.1	0.1	0.0	0.3	0.4	1.5	2.9	11.7	7.9	4.0	7.9	3.4	8.6	6.9	3.3	1.2	1.4	0.4	0.3	0.2	0.1	0.0	11.7	8.6	0.0	2.6	3.35	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.04	95.8%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	7.9	19.4	11.5	10.7	5.6	13.5	10.0	8.7	0.8	19.4	13.5	0.0	4.0	5.63	100.0%	10
11	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.8	2.4	2.3	1.4	2.1	0.9	1.1	1.5	0.9	0.0	0.7	0.2	0.6	3.7	4.4	4.4	3.7	0.0	1.1	1.19	100.0%	11
12	4.1	0.5	0.1	0.4	0.3	0.5	1.4	2.2	4.7	19.1	1.7	5.9	5.4	13.5	4.4	1.0	1.1	6.2	7.7	0.4	0.1	0.0	0.0	0.0	19.1	13.5	0.0	3.4	4.61	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	4.0	16.4	21.3	14.0	12.2	9.3	5.8	7.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	21.3	16.4	0.0	3.9	6.09	100.0%	13
14	0.0	0.1	0.4	0.6	1.5	1.6	1.5	2.0	1.6	0.9	1.0	2.3	4.5	5.5	8.2	6.6	5.6	2.8	2.0	0.4	0.3	0.2	0.2	0.2	8.2	6.6	0.0	2.1	2.26	100.0%	14
15	0.2	0.3	0.2	0.3	0.1	0.1	0.5	1.9	1.7	1.5	1.4	1.3	1.4	2.5	2.4	2.0	1.4	1.2	0.9	0.8	1.0	2.0	0.2	0.0	2.5	2.4	0.0	1.1	0.77	100.0%	15
16	0.0	0.0	0.1	0.0	0.1	0.2	0.3	0.5	0.4	0.4	0.4	0.6	0.7	0.7	0.4	0.5	0.5	0.3	0.3	SPN	0.2	0.0	0.0	0.0	0.7	0.7	0.0	0.3	0.24	95.8%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	0.0	0.0	0.0	0.0	0.00	95.8%	17
18	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	95.8%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	0.3	1.1	1.7	CAL	CAL	1.8	1.0	0.1	1.8	1.7	0.0	0.3	0.58	83.3%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.5	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.6	0.0	0.2	0.64	100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	2.7	1.3	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.2	0.62	100.0%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.0		4.0	4.3	2.0	0.8	1.5	2.5	6.4	**6.8**	5.4	2.5	0.6	1.0	0.8		0.5	0.0	0.0	SPN	0.0	0.0	0.0	0.5	6.8	6.4	0.0	1.7	2.1.	%%	23
24	**5.6**	4.5	2.4	2.4	0.6	0.7	2.3	3.1	1.7	1.5	1.4	2.1	2.0	2.1	2.5	1.9	1.4	0.5	0.5	0.5	0.3	0.4	0.8	0.2	5.6	4.5	0.2	1.7	1.31	100.0%	24
25	1.7	1.7	0.0	0.0	1.7	**11.0**	0.9	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.7	0.6	0.2	0.2	11.0	1.7	0.0	0.9	2.19	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.7	1.4	0.6	0.8	0.7	0.4	0.5	0.3	0.2	0.2	0.6	2.3	6.4	**6.7**	4.4	0.9	6.7	6.4	0.0	1.1	1.88	100.0%	26
27	0.3	0.1	0.5	0.1	0.1	0.2	1.0	**2.8**	2.1	1.1	0.7	0.5	QAS	QAS	QAS	0.0	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.1	2.8	2.1	0.0	0.5	0.71	87.5%	27
28	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	**0.3**	0.1	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.0	0.1	0.07	100.0%	28
29	0.2	0.0	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.2	**2.5**	0.5	0.2	0.0	0.2	0.1	0.3	0.1	0.0	0.0	2.5	0.5	0.0	0.2	0.48	100.0%	29
30	0.1	0.1	0.5	0.5	0.6	2.0	1.1	1.3	0.5	0.6	0.6	1.1	1.5	1.9	0.5	0.3	0.3	0.2	0.3	SPN	1.1	2.5	2.7	**4.5**	4.5	2.7	0.1	1.1	1.04	95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 632 Sulfur Dioxide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
21.3 ppb	19.4 ppb	0.0 ppb	1.02 ppb	2.44	97.5%
April 13 11:00 am	April 10 4:00 pm	April 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 632 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	4.1	1.9	3.2	1.9	0.6	0.3	0.2	1.3	2.7	1.9	1.5	1.4	0.6	1.4	5.7	3.8	2.9	2.7	3.1	3.3	1.3	1.3	1.7	1.6	5.7	4.1	0.2	2.1	1.29	100.0%	1
2	0.9	0.8	0.9	1.5	0.7	0.8	0.8	1.6	1.1	1.1	1.1	1.6	1.6	1.1	1.2	2.0	1.2	1.3	0.7	0.2	0.4	0.8	0.7	0.2	2.0	1.6	0.2	1.0	0.44	100.0%	2
3	7.3	3.5	5.7	3.6	5.4	1.4	3.0	3.1	3.4	1.6	1.2	1.6	2.1	3.1	2.7	2.8	2.6	1.3	0.5	0.4	0.4	0.5	0.6	0.4	7.3	5.7	0.4	2.4	1.79	100.0%	3
4	0.8	1.0	0.9	0.5	0.7	0.3	0.4	0.5	1.0	0.7	1.3	0.7	0.5	1.0	2.5	2.3	3.6	3.7	4.6	3.2	3.2	3.1	1.6	4.6	4.6	4.6	0.3	1.8	1.38	100.0%	4
5	1.8	0.5	0.7	0.4	0.3	0.4	0.6	1.2	0.7	1.0	1.0	1.4	1.7	1.3	1.7	3.1	2.9	1.7	1.0	13.6	2.1	2.1	0.6	0.3	13.6	3.1	0.3	1.7	2.59	100.0%	5
6	0.2	0.3	0.1	0.2	0.2	0.2	0.6	0.4	0.3	0.3	0.6	2.7	1.8	1.7	2.4	1.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	2.7	2.4	0.0	0.6	0.76	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.03	95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.9	1.2	0.0	0.1	1.8	2.1	1.8	0.0	0.3	0.58	100.0%	8
9	1.1	1.4	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.8	0.7	0.2	1.3	0.6	0.7	0.1	0.0	1.4	1.3	0.0	0.3	0.42	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.7	4.3	0.5	0.0	0.0	4.3	1.7	0.0	0.3	0.90	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.3	2.8	0.7	0.0	0.0	0.0	2.8	1.3	0.0	0.2	0.63	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	11.8	5.5	2.4	2.0	0.5	0.1	0.1	0.0	0.0	0.0	11.8	5.5	0.0	1.0	2.55	100.0%	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	0.3	0.4	0.5	1.0	1.6	3.1	2.2	5.1	5.2	1.2	0.8	SPN	0.1	0.0	0.0	0.0	5.2	5.1	0.0	1.0	1.51	95.8%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0	1.3	1.2	0.4	0.3	1.8	2.8	1.3	0.8	1.0	0.5	0.2	0.1	0.1	0.1	0.4	2.8	1.8	0.0	0.5	0.70	100.0%	15
16	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.4	0.9	0.3	1.3	0.4	1.0	0.8	4.5	1.5	0.3	0.2	0.1	0.1	0.5	4.5	1.5	0.0	0.6	0.92	100.0%	16
17	1.1	1.7	0.3	0.1	0.0	0.0	0.2	0.2	0.0	0.0	1.1	0.5	0.6	0.9	1.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.4	0.0	0.4	0.49	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.5	5.4	6.0	4.7	4.8	CAL	CAL	0.3	0.0	0.0	6.0	5.4	0.0	1.0	2.01	91.7%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.6	0.5	0.9	1.8	0.6	0.1	0.0	0.0	1.8	0.9	0.0	0.2	0.41	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	3.4	4.9	6.0	7.3	1.9	0.8	1.4	0.3	0.2	0.0	0.0	0.0	7.3	6.0	0.0	1.1	2.05	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.8	1.9	2.7	7.0	3.3	1.0	0.2	SPN	0.0	0.0	0.0	0.0	7.0	3.3	0.0	0.8	1.64	95.8%	21

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
22	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.7		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.0	0.1	0.31	)%	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.7	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.2	0.0	0.1	0.15	100.0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	1.2	1.9	0.5	0.3	0.2	0.1	1.9	1.7	0.0	0.3	0.52	100.0%	25
26	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.1	1.0	1.4	0.9	2.8	3.6	4.0	4.5	8.6	13.5	5.5	1.1	0.6	0.9	0.4	0.4	0.5	13.5	8.6	0.0	2.1	3.19	100.0%	26
27	0.7	0.3	0.7	1.0	0.6	0.7	1.5	1.4	0.7	2.7	2.4	4.8	2.8	1.1	4.3	3.5	3.9	3.0	3.5	0.9	0.6	0.2	0.2	0.1	4.8	4.3	0.1	1.7	1.43	100.0%	27
28	0.1	0.0	0.1	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	SPN	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.1	0.09	95.8%	28
29	0.0	0.1	0.1	0.0	0.0	0.9	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.9	0.3	0.0	0.1	0.19	100.0%	29
30	0.2	0.1	0.0	0.2	0.4	0.4	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.8	0.4	0.1	0.2	0.0	0.0	0.0	0.8	0.4	0.0	0.2	0.17	100.0%	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.3	0.2	0.1	0.1	0.6	0.6	0.0	0.2	0.20	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 632 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
13.6 ppb	13.5 ppb	0.0 ppb	0.72 ppb	1.45	99.2%
May 5 7:00 pm	May 26 4:00 pm	May 6 9:00 pm	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 632 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.4	0.7	0.4	0.8	0.2	0.1	0.2	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.7	0.0	0.2	0.22	100.0%	1
2	0.0	0.4	0.6	0.2	0.6	0.0	0.2	0.3	6.0	3.9	0.4	0.0	0.0	0.0	0.0	0.1	0.9	0.1	0.1	0.1	0.0	0.0	0.7	0.1	6.0	3.9	0.0	0.6	1.37	100.0%	2
3	0.4	0.1	0.1	1.8	1.0	1.2	SPN	SPN	SPN	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	1.8	1.2	0.0	0.2	0.47	87.5%	3
4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.05	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	5
6	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.3	0.0	0.1	0.13	100.0%	6
7	0.0	0.2	0.1	0.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.4	0.3	0.3	1.9	1.9	0.5	0.0	0.2	0.42	83.3%	7
8	2.0	2.5	2.2	3.4	2.5	3.3	4.3	5.6	3.6	1.2	0.6	0.3	1.0	0.2	0.3	0.2	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0	5.6	4.3	0.0	1.4	1.60	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.5	0.0	0.0	0.0	0.7	0.3	1.4	0.3	0.0	0.1	0.1	0.3	0.2	0.4	1.4	0.7	0.0	0.2	0.33	87.5%	10
11	0.3	0.1	0.3	0.6	0.7	0.0	0.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.7	0.4	0.2	0.0	1.5	1.1	0.0	0.3	0.39	100.0%	11
12	0.2	0.0	0.3	0.0	0.4	1.7	3.4	1.7	0.5	1.1	0.4	0.6	0.0	0.0	0.0	0.0	0.5	1.1	0.0	0.0	0.0	0.0	3.6	0.6	3.6	3.4	0.0	0.7	1.00	100.0%	12
13	6.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.3	1.0	1.0	0.3	0.4	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.1	6.0	3.4	0.0	0.6	1.34	100.0%	13
14	0.3	3.6	0.1	0.8	1.2	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	3.6	1.2	0.0	0.3	0.75	100.0%	14
15	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	0.0	0.0	0.7	0.6	0.0	0.1	0.19	100.0%	15
16	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.07	100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.4	0.0	0.0	0.0	0.4	0.2	1.3	0.0	0.0	CAL	CAL	CAL	CAL	0.0	0.0	1.3	0.4	0.0	0.1	0.32	70.8%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		91.7%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	CAL	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		83.3%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	22
23	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.09	100.0%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.0		0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.2	0.3	0.8	0.9	1.4	0.8			0.8	0.8	0.7	1.1	0.5	0.5	0.5	0.6	1.4	1.1	0.0	0.5	0.4	5%	24
25	0.8	1.1	0.3	0.4	0.5	0.6	0.5	0.5	0.4	0.3	0.3	0.1	0.3	0.1	0.5	0.0	0.0	0.2	0.4	1.0	1.3	0.4	0.2	0.1	1.3	1.1	0.0	0.4	0.32	100.0%	25
26	0.2	0.3	0.5	0.1	0.1	0.3	0.3	0.2	1.1	1.3	2.3	1.3	0.6	1.2	1.2	0.5	0.0	0.0	0.0	0.4	1.0	1.4	0.5	0.1	2.3	1.4	0.0	0.6	0.57	100.0%	26
27	0.1	0.2	0.4	0.9	1.0	1.1	1.2	1.2	0.3	0.0	0.0	0.0	QAS	QAS	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.7	1.2	1.2	0.0	0.4	0.42	91.7%	27
28	0.1	0.3	0.1	0.1	0.2	0.7	0.0	0.1	0.0	0.1	0.3	0.4	0.3	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.1	0.17	100.0%	28
29	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.3	0.9	0.9	0.6	0.6	0.6	0.7	0.9	0.9	0.0	0.3	0.31	100.0%	29
30	0.5	0.8	0.5	0.7	0.6	0.7	0.5	0.8	1.0	2.8	3.0	3.7	3.6	2.2	0.3	0.3	0.5	0.0	0.0	0.1	0.2	0.2	0.5	0.5	3.7	3.6	0.0	1.0	1.11	100.0%	30

Maximum values for each day are highlighted within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 632 Hydrogen Sulfide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
6.0 ppb	6.0 ppb	0.0 ppb	0.28 ppb	0.70	96.1%
April 2 8:00 am	April 13 Mid	April 1 8:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

CAMS 632 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.3	0.0	0.3	0.5	0.5	1.7	SPN	SPN	SPN	0.3	0.1	0.5	0.0	0.1	0.8	0.6	0.3	0.8	0.5	0.6	0.8	1.0	1.3	1.3	1.7	1.3	0.0	0.6	0.44	87.5%	1
2	0.5	0.5	0.5	0.4	0.3	0.3	0.7	0.3	0.2	0.3	0.5	0.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.2	0.25	100.0%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.07	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3	0.2	0.1	0.3	0.4	0.3	0.7	0.2	0.2	0.1	0.2	0.2	0.9	0.9	0.7	0.0	0.2	0.23	100.0%	4
5	0.2	0.2	0.2	0.3	0.4	0.7	0.3	0.2	0.2	0.2	0.3	0.4	0.6	0.2	0.4	0.4	2.9	1.1	1.1	1.3	1.2	1.6	1.8	1.5	2.9	1.8	0.2	0.7	0.69	100.0%	5
6	1.1	1.1	1.2	1.7	1.5	2.2	1.4	1.2	1.1	1.3	1.5	2.3	1.2	1.2	1.2	1.3	1.7	2.2	1.1	1.2	1.1	1.1	1.6	1.7	2.3	2.2	1.1	1.4	0.37	100.0%	6
7	1.6	1.0	1.0	1.0	1.5	1.4	2.0	0.9	0.9	0.8	1.1	1.3	1.7	0.7	0.8	0.7	0.9	1.3	2.0	1.2	0.9	0.8	0.9	1.4	2.0	2.0	0.7	1.2	0.37	100.0%	7
8	1.5	1.5	0.9	0.9	0.9	1.3	SPN	SPN	SPN	0.4	1.0	1.4	1.5	1.8	0.5	0.3	0.1	0.1	1.1	1.2	0.7	0.0	0.2	0.7	1.8	1.5	0.0	0.9	0.51	87.5%	8
9	0.7	0.9	0.8	0.0	0.0	0.0	0.4	0.4	0.9	0.0	0.0	1.2	0.0	0.6	1.8	0.4	0.6	0.6	1.7	1.3	1.4	0.3	0.2	0.2	1.8	1.7	0.0	0.6	0.55	100.0%	9
10	0.3	0.7	1.1	0.2	0.1	0.2	0.4	0.5	0.9	1.2	1.4	1.8	0.0	0.0	0.0	0.1	0.3	1.0	0.0	0.1	0.0	0.1	0.4	0.9	1.8	1.4	0.0	0.5	0.50	100.0%	10
11	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.0	0.0	0.0	0.2	0.1	0.7	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.1	0.7	0.5	0.0	0.1	0.20	100.0%	11
12	0.6	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.1	0.15	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.0	0.17	100.0%	14
15	0.0	0.0	0.0	0.0	0.3	1.8	SPN	SPN	SPN	0.8	1.0	0.3	0.5	0.8	1.9	1.3	0.8	0.0	0.0	0.3	0.8	0.8	0.7	0.4	1.9	1.8	0.0	0.6	0.55	87.5%	15
16	0.6	0.9	0.3	0.7	2.9	1.0	1.5	1.5	1.6	1.4	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.2	2.9	1.6	0.0	0.6	0.72	100.0%	16
17	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.04	100.0%	17
18	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.09	100.0%	18
19	0.0	0.0	0.0	0.0	0.0	0.3	CAL	CAL	CAL	CAL	0.3	1.5	1.2	1.5	1.0	1.0	0.6	1.6	0.1	0.4	0.0	0.0	0.0	0.0	1.6	1.5	0.0	0.5	0.58	83.3%	19
20	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.3	0.3	0.4	0.0	0.1	0.2	0.4	0.4	0.0	0.1	0.14	100.0%	20
21	0.3	0.1	0.3	0.5	1.2	1.5	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.0	1.5	1.2	0.0	0.2	0.40	100.0%	21
22	0.0	0.0	1.1	1.2	0.6	0.1	SPN	SPN	SPN	0.4	1.0	0.6	0.9	0.3	0.6	0.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.1	0.0	0.4	0.40	87.5%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.5		0.0	0.1	0.0	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.0	0.1	0.22	0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	25
26	0.0	0.0	0.0	0.1	0.2	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.5	0.0	0.1	0.16	100.0%	26
27	1.8	0.8	0.4	0.5	0.0	0.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.8	0.0	0.2	0.41	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	28
29	0.0	0.0	0.2	0.0	0.0	0.0	SPN	SPN	SPN	0.7	1.4	1.6	1.1	0.3	0.0	1.0	0.8	0.5	0.2	0.3	0.5	0.8	0.5	0.3	1.6	1.4	0.0	0.5	0.47	87.5%	29
30	0.5	0.3	0.3	2.5	2.5	1.1	2.2	1.9	1.0	0.7	0.6	0.6	0.6	0.0	0.2	0.5	0.4	0.4	0.3	0.4	0.0	0.0	0.4	0.5	2.5	2.5	0.0	0.7	0.75	100.0%	30
31	0.2	0.5	0.5	0.5	0.9	1.0	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.1	0.1	1.0	0.9	0.0	0.2	0.30	100.0%	31

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 632 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
2.9 ppb	2.9 ppb	0.0 ppb	0.35 ppb	0.52	97.4%
May 5 4:00 pm	May 16 4:00 am	May 1 1:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

NOT AN AUTO GC SITE

CAMS 633

Solar Estates Park

Site 1.g

AUTO GC SITE

June 15, 2005

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	71.71	24.75	3.95	1.71	3.18	0.70	0.42	5.31	3.84	88.69	QAS	QAS	QAS	QAS	QAS	QAS	13.62	18.55	55.07	89.07	0.75	16.35	8.44	84.65	89.07	88.69	0.42	27.26	32.76	75.0%	1
2	34.25	52.81	14.30	48.10	45.51	53.53	69.44	48.99	148.78	13.54	45.44	24.40	5.69	18.30	31.89	67.00	121.26	14.91	13.94	190.73	356.14	274.63	164.03	119.00	356.14	274.63	5.69	82.36	86.97	100.0%	2
3	216.56	277.95	76.50	123.35	277.10	284.31	285.20	235.78	119.06	19.88	7.81	7.96	10.39	4.37	QAS	SPN	SPN	LIM	LIM	LIM	LIM	LIM	LIM	LIM	285.20	284.31	4.37	139.02	114.65	58.3%	3
4	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	4
5	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	5
6	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	6
7	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	QAS	QAS	QAS	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	7
8	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	8
9	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	9
10	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	QAS	SPN	SPN	LIM	LIM	LIM	LIM	LIM	LIM	LIM						0.0%	10
11	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	QAS	QAS	QAS	QAS	QAS	QAS	QAS	CAL	CAL	CAL	36.31	115.51	173.88	273.05	176.92	174.37	273.05	176.92	36.31	158.34	71.56	25.0%	11
12	245.16	276.25	292.55	440.52	170.94	227.71	302.39	476.19	308.05	645.24	171.31	106.77	89.21	131.21	60.37	13.40	16.90	90.64	49.84	100.18	397.11	329.26	211.38	131.38	645.24	476.19	13.40	220.16	155.73	100.0%	12
13	412.36	957.01	352.07	139.58	207.43	154.35	112.47	132.82	215.82	204.14	203.71	264.61	270.66	264.32	222.63	119.58	90.33	14.30	4.51	48.70	192.51	189.50	84.98	94.25	957.01	412.36	4.51	206.36	183.83	100.0%	13
14	53.84	108.78	482.25	441.99	427.00	446.36	441.60	370.33	195.75	80.13	45.84	56.31	113.67	147.12	107.90	92.59	43.20	26.35	60.03	26.99	176.32	332.25	267.63	60.54	482.25	446.36	26.35	191.86	158.29	100.0%	14
15	118.59	112.15	55.23	28.86	21.89	39.61	185.47	150.83	67.92	38.95	34.47	35.15	31.02	51.41	56.38	61.43	83.46	57.11	101.74	91.55	182.55	180.71	9.41	170.76	185.47	182.55	9.41	81.94	54.72	100.0%	15
16	158.57	72.40	224.54	293.49	216.95	98.59	156.41	32.01	37.36	37.77	40.81	49.99	59.73	48.31	32.65	44.08	41.41	71.02	43.13	22.21	20.30	76.75	90.10	162.99	293.49	224.54	20.30	88.82	72.43	100.0%	16
17	43.68	301.74	56.31	10.25	17.93	6.97	24.17	115.60	7.88	8.48	13.11	6.97	8.16	QAS	QAS	CAL	CAL	CAL	20.31	17.59	6.01	71.78	136.11	111.02	301.74	136.11	6.01	51.79	71.36	79.2%	17
18	71.99	142.60	37.16	26.86	332.10	100.70	178.50	63.20	6.87	6.71	9.48	7.38	11.26	7.64	1.95	13.44	1.75	4.30	24.90	22.22	6.45	10.60	8.76	31.84	332.10	178.50	1.75	47.03	74.67	100.0%	18
19	25.42	12.94	130.88	55.23	226.57	246.76	128.85	18.98	5.92	4.51	14.18	3.01	5.23	3.89	7.66	8.81	2.32	7.66	7.50	5.52	13.29	58.29	36.09	146.84	246.76	226.57	2.32	49.01	70.58	100.0%	19
20	173.34	27.90	24.59	22.53	198.86	119.14	99.78	43.51	13.97	7.33	20.36	3.79	13.04	18.17	8.14	18.41	12.22	13.03	62.42	49.62	63.66	73.44	98.05	48.62	198.86	173.34	3.79	51.41	51.55	100.0%	20
21	11.62	255.50	436.15	48.05	35.61	91.08	84.91	64.95	44.52	22.68	8.31	20.19	19.69	4.17	QAS	QAS	CAL	CAL	39.97	8.45	37.35	93.28	28.14	81.91	436.15	255.50	4.17	71.83	99.60	83.3%	21
22	88.12	109.78	133.31	58.06	47.98	459.00	438.88	307.90	124.88	18.55	49.03	144.18	167.71	56.68	45.00	33.12	34.50	35.72	48.12	46.24	162.43	84.06	212.53	159.92	459.00	438.88	18.55	127.74	118.05	100.0%	22
23	107.25	177.70	146.19	142.07	100.95	106.05	91.36	194.57	154.76	123.39	89.12	45.82	31.41	17.21	21.80	6.10	16.19	42.74	50.43	2.64	10.69	39.06	141.51	219.76	219.76	194.57	2.64	86.62	63.85	100.0%	23
24	380.66	324.13	265.95	313.84	440.45	494.08	322.96	261.00	205.47	41.43	44.26	81.12	66.06	81.19	QAS	SPN	SPN	8.75	10.55	49.82	31.00	95.27	74.38	241.95	494.08	440.45	8.75	182.59	149.58	87.5%	24
25	92.39	59.53	149.47	87.44	56.63	192.29	305.44	248.18	179.64	146.38	114.50	81.36	43.86	28.00	3.81	4.94	17.00	50.12	105.58	89.92	138.73	191.17	221.53	130.08	305.44	248.18	3.81	114.08	77.67	100.0%	25
26	53.00	100.56	70.43	84.02	72.39	105.51	142.45	158.14	136.06	126.28	112.44	74.87	90.54	65.61	72.02	54.41	56.26	37.68	39.60	93.21	270.21	210.40	195.74	298.61	298.61	270.21	37.68	113.35	68.07	100.0%	26
27	284.38	320.29	343.19	383.09	350.21	422.46	753.93	237.77	85.98	42.48	20.19	35.65	16.07	16.07	17.41	14.95	25.17	18.10	36.42	73.96	96.88	9.00	24.32	22.39	753.93	422.46	9.00	152.10	188.09	100.0%	27
28	52.58	65.19	20.54	53.26	79.78	62.20	27.27	14.25	27.18	29.31	51.97	30.73	28.65	16.52	16.52	11.21	5.87	6.36	11.86	6.74	12.52	16.52	22.52	39.41	79.78	65.19	5.87	29.54	20.41	100.0%	28
29	8.84	23.84	60.70	14.10	31.53	95.57	45.47	30.20	11.28	14.97	6.22	19.35	23.79	15.42	187.03	50.95	22.53	22.55	27.74	56.84	105.82	97.56	82.08	20.75	187.03	105.82	6.22	44.80	41.59	100.0%	29
30	23.91	18.55	158.91	152.20	132.86	213.42	165.85	142.97	139.13	144.70	121.75	104.25	84.61	73.75	131.43	29.22	43.70	52.84	87.04	54.88	159.62	203.92	218.49	224.83	224.83	218.49	18.55	120.12	61.76	100.0%	30
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	

Day	Morning	Afternoon	Statistics	Day

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 633 Total Non-Methane Organic Compounds Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
957.01 ppb-C	753.93 ppb-C	0.42 ppb-C	104.78 ppb-C	117.81	70.3%
April 13 1:00 am	April 27 6:00 am	April 1 6:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	230.10	**324.36**	284.99	214.68	179.64	212.04	258.38	188.55	143.43	133.86	114.82	77.16	37.01	69.94	QAS	SPN	SPN	70.87	91.67	78.94	120.16	153.28	213.37	43.91	324.36	284.99	37.01	154.34	79.79	87.5%	1
2	142.66	**237.37**	215.78	75.08	7.21	207.88	219.90	109.87	92.65	82.13	16.49	49.80	40.77	43.70	32.98	57.17	37.52	10.08	15.65	24.28	17.41	90.52	66.45	24.40	237.37	219.90	7.21	79.91	71.07	100.0%	2
3	59.86	60.25	60.86	101.00	**219.38**	182.92	162.76	145.72	168.22	102.38	44.44	38.92	46.08	43.11	33.03	37.35	37.98	22.01	32.09	18.27	26.69	20.54	20.14	46.34	219.38	182.92	18.27	72.10	58.24	100.0%	3
4	93.75	128.55	145.12	51.15	129.24	50.06	68.42	47.51	65.96	58.12	61.77	65.19	61.31	61.54	26.05	22.93	20.91	56.16	95.81	11.98	18.25	22.92	30.48	**229.47**	229.47	145.12	11.98	67.61	48.88	100.0%	4
5	51.34	53.10	**191.62**	35.35	15.98	88.96	105.07	81.87	52.58	71.09	51.93	77.85	76.65	81.77	97.70	75.95	55.39	32.80	44.33	24.40	53.68	40.49	45.89	4.84	191.62	105.07	4.84	62.94	36.55	100.0%	5
6	51.77	89.58	**1043.48**	198.09	353.55	348.01	511.51	84.47	12.11	15.90	9.24	75.32	77.68	40.07	33.26	8.14	11.69	9.48	1.97	5.26	8.45	7.23	15.18	130.78	1043.48	511.51	1.97	130.93	230.49	100.0%	6
7	**214.31**	142.87	177.21	196.01	154.22	21.71	93.05	41.47	15.91	5.68	8.77	8.30	8.77	10.79	7.58	17.75	24.49	27.58	42.64	55.30	69.84	46.88	14.36	12.49	214.31	196.01	5.68	59.08	65.09	100.0%	7
8	1.12	9.22	-0.54	14.81	105.72	45.08	21.19	13.10	50.03	49.35	36.05	12.86	12.75	13.70	QAS	SPN	SPN	47.81	176.62	86.61	104.49	43.06	280.52	**1375.52**	1375.52	280.52	-0.54	119.00	288.51	87.5%	8
9	**624.02**	310.51	211.78	49.78	338.32	62.48	61.16	112.96	58.27	57.49	46.03	36.40	30.64	23.72	12.73	66.66	90.83	160.91	203.33	51.93	461.50	29.33	47.41	19.14	624.02	461.50	12.73	131.97	152.87	100.0%	9
10	67.83	54.40	17.10	27.14	14.27	68.33	37.45	**80.33**	34.90	13.55	9.14	24.61	15.70	23.11	28.79	22.86	5.57	8.09	28.49	69.28	44.82	22.78	5.15	23.44	80.33	69.28	5.15	31.13	21.50	100.0%	10
11	2.48	44.54	**134.24**	32.73	22.10	12.21	5.80	12.44	5.19	8.26	6.11	3.93	7.56	6.78	QAS	6.22	12.86	4.09	4.98	4.58	8.35	10.29	15.86	24.35	134.24	44.54	2.48	17.22	26.89	95.8%	11
12	89.72	**173.21**	146.40	101.16	94.06	21.71	126.47	37.47	44.21	17.85	9.19	6.52	9.10	18.66	8.42	10.57	5.85	15.56	77.98	66.90	14.39	5.70	15.67	11.25	173.21	146.40	5.70	47.00	49.11	100.0%	12
13	34.05	14.27	9.62	26.32	26.62	222.89	**306.67**	81.79	12.21	11.67	20.30	15.06	21.82	42.34	53.38	31.55	41.21	38.01	21.61	36.80	7.91	22.52	10.18	73.45	306.67	222.89	7.91	49.26	68.65	100.0%	13
14	15.77	113.09	205.79	52.46	346.48	97.87	**386.25**	102.19	44.19	94.87	81.38	53.80	121.51	45.96	110.27	240.48	167.46	42.06	94.17	51.86	59.69	234.19	79.81	206.59	386.25	346.48	15.77	127.01	94.96	100.0%	14
15	187.17	148.88	154.24	285.76	305.18	164.09	**319.91**	297.39	120.67	167.46	117.92	132.63	98.97	129.72	QAS	SPN	50.56	49.26	44.14	63.27	108.42	200.91	121.72	120.74	319.91	305.18	44.14	154.05	81.07	91.7%	15
16	142.82	45.71	110.62	150.56	217.25	131.87	120.41	112.04	99.18	90.26	97.47	55.88	100.91	311.52	135.66	176.48	187.15	159.60	160.84	227.36	168.98	109.10	232.86	**338.47**	338.47	311.52	45.71	153.46	70.28	100.0%	16
17	208.22	**598.48**	503.21	455.30	141.72	105.26	278.40	134.50	30.55	12.96	60.25	3.39	0.58	0.12	0.31	0.17	0.24	0.23	0.19	0.23	1.29	0.49	1.00	0.17	598.48	503.21	0.12	105.72	173.84	100.0%	17
18	0.42	0.65	0.84	4.35	**5.97**	2.03	2.39	0.40	0.33	0.26	0.28	0.21	0.14	0.31	0.80	0.70	0.51	0.21	0.14	0.26	-0.30	-0.19	-0.02	-0.26	5.97	4.35	-0.30	0.85	1.45	100.0%	18
19	-0.21	1.31	1.90	2.39	1.40	2.11	1.92	0.16	0.02	-0.16	-0.37	-0.42	-0.33	0.82	-0.42	-0.42	**21.60**	6.72	1.01	0.45	-0.23	0.00	-0.42	1.21	21.60	6.72	-0.42	1.67	4.43	100.0%	19
20	1.03	0.86	0.52	1.29	6.01	2.57	4.75	-0.05	-0.40	0.02	1.59	1.49	2.85	2.78	3.70	4.09	1.94	0.47	1.07	0.38	2.39	3.32	4.42	**6.32**	6.32	6.01	-0.40	2.22	1.86	100.0%	20
21	6.24	0.61	0.12	QAS	QAS	CAL	CAL	CAL	0.88	1.75	QAS	QAS	QAS	QAS	CAL	CAL	CAL	20.67	84.32	63.65	12.40	26.45	**309.16**	288.49	309.16	288.49	0.12	67.89	106.45	50.0%	21
22	162.02	134.74	178.55	**186.82**	178.55	109.94	124.82	90.93	29.76	14.88	23.97	21.49	91.76	8.27	QAS	SPN	SPN	2.48	6.61	66.13	23.97	2.48	31.41	127.30	186.82	178.55	2.48	76.99	64.49	87.5%	22
23	121.52	61.17	323.21	**492.67**	235.59	102.50	173.59	95.89	14.88	6.61	9.09	20.67	9.09	-1.65	18.19	2.48	14.88	7.44	31.41	67.78	-2.48	14.88	11.57	139.70	492.67	323.21	-2.48	82.11	118.35	100.0%	23
24	204.18	310.81	**546.40**	197.56	424.06	500.94	421.58	150.45	20.67	11.57	4.96	5.79	5.79	4.96	3.31	1.66	32.24	44.64	28.93	55.39	2.48	50.43	36.38	114.91	546.40	500.94	1.66	132.50	172.04	100.0%	24
25	128.96	138.88	81.01	95.89	265.35	**273.62**	200.87	60.35	10.75	0.83	2.48	7.44	22.32	5.79	5.79	14.06	27.28	68.61	95.07	81.84	38.85	58.69	39.68	30.59	273.62	265.35	0.83	73.13	76.97	100.0%	25
26	151.28	112.42	173.59	214.10	352.97	333.13	221.54	292.63	101.68	99.20	64.48	104.16	97.55	104.98	57.04	110.77	181.86	125.65	235.59	93.41	120.69	343.88	342.23	**708.42**	708.42	352.97	57.04	197.64	141.49	100.0%	26
27	320.74	179.38	238.90	245.51	299.24	298.42	159.54	**327.35**	272.79	160.37	108.29	84.32	48.77	58.69	138.05	23.15	20.67	12.40	107.47	44.64	89.28	53.73	99.20	70.27	327.35	320.74	12.40	144.22	101.78	100.0%	27
28	209.97	**306.68**	131.44	58.69	119.86	99.20	92.59	57.04	50.43	-1.65	-1.65	-3.30	0.83	-3.30	1.66	0.00	7.44	28.11	21.50	81.84	83.49	30.59	113.25	41.34	306.68	209.97	-3.30	63.59	73.85	100.0%	28
29	38.85	6.62	80.19	224.02	274.44	**293.46**	169.46	164.50	8.27	28.93	5.79	-14.05	-4.96	-7.44	QAS	SPN	SPN	50.42	24.80	23.97	83.49	181.03	35.55	185.99	293.46	274.44	-14.05	88.25	95.71	87.5%	29
30	138.05	93.41	109.94	134.74	**299.24**	95.06	71.09	128.13	91.76	57.86	74.40	71.92	18.19	22.32	39.68	44.64	15.71	61.17	104.98	188.47	182.69	192.60	175.25	176.90	299.24	192.60	15.71	107.84	67.34	100.0%	30
31	178.55	137.22	96.72	141.35	210.79	195.09	152.10	96.72	110.77	28.11	37.20	23.97	56.21	54.56	28.11	38.85	128.13	72.74	104.98	119.03	104.98	188.47	**806.79**	605.09	806.79	605.09	23.97	154.86	177.18	100.0%	31

Day	Mid	[illegible]	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:[illegible]	[illegible]	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	[illegible]	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 633 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
1375.52 ppb-C	1043.48 ppb-C	-14.05 ppb-C	88.84 ppb-C	122.18	96.4%
May 8 11:00 pm	May 6 2:00 am	May 29 11:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 7, 2005

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.1	0.1	0.0	0.1	0.5	0.1	0.1	0.2	0.6	QAS	QAS	QAS	QAS	QAS	QAS	0.1	0.2	0.5	0.2	0.2	0.2	0.1	0.1	0.6	0.5	0.0	0.2	0.15	75.0%	1
2	0.0	0.1	0.2	0.1	0.1	0.2	0.6	0.4	0.4	0.2	1.0	1.9	2.3	1.5	4.3	4.7	14.8	4.2	0.8	SPN	0.3	0.6	0.3	0.1	14.8	4.7	0.0	1.7	3.13	95.8%	2
3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.08	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.10	100.0%	4
5	0.0	0.0	0.0	0.0	0.8	1.0	5.3	43.2	0.0	0.0	0.1	0.2	1.3	8.9	6.0	8.9	16.2	23.9	5.3	0.6	0.1	0.0	0.0	0.1	43.2	23.9	0.0	5.1	9.86	100.0%	5
6	0.0	0.1	0.0	0.6	0.5	0.3	0.4	0.3	1.2	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.3	0.8	1.5	1.2	0.0	0.3	0.38	100.0%	6
7	0.8	0.4	0.2	0.1	0.4	0.5	0.6	QAS	QAS	QAS	QAS	QAS	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.5	0.5	0.5	0.5	0.8	0.6	0.1	0.4	0.16	79.2%	7
8	0.4	0.5	0.5	0.5	0.5	0.8	0.9	1.3	1.4	6.4	14.5	10.2	8.3	2.0	3.8	1.6	2.3	0.7	0.5	0.7	1.0	1.0	0.8	0.7	14.5	10.2	0.4	2.6	3.56	100.0%	8
9	0.5	0.6	0.5	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.2	0.1	0.3	0.2	0.6	0.6	0.0	0.3	0.21	95.8%	9
10	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.1	5.2	2.6	2.8	4.5	10.2	8.0	8.2	11.3	4.2	0.5	11.3	10.2	0.1	2.6	3.44	100.0%	10
11	1.0	1.0	1.0	0.7	0.5	0.4	0.6	0.8	QAS	QAS	QAS	QAS	QAS	0.5	0.2	0.1	0.3	0.4	0.5	0.4	0.6	0.6	0.4	0.3	1.0	1.0	0.1	0.5	0.26	79.2%	11
12	0.3	0.9	1.3	0.8	0.4	1.6	2.0	13.0	17.2	22.2	2.0	2.0	1.4	8.1	5.5	2.8	0.7	2.5	1.4	0.4	0.7	0.3	0.2	0.2	22.2	17.2	0.2	3.7	5.66	100.0%	12
13	0.2	0.2	0.1	0.1	0.2	0.2	0.3	1.3	1.2	1.9	13.1	17.5	11.3	11.5	8.9	5.1	4.0	9.1	35.3	10.0	0.4	0.2	0.2	0.2	35.3	17.5	0.1	5.5	8.07	100.0%	13
14	0.2	0.1	1.0	1.0	0.8	1.2	1.4	1.7	3.6	1.3	1.3	2.6	3.6	4.6	10.9	4.5	1.9	0.9	0.7	0.6	1.3	1.0	1.3	1.0	10.9	4.6	0.1	2.0	2.21	100.0%	14
15	1.0	1.2	1.4	1.2	0.8	5.2	93.7	2.0	2.6	2.0	1.3	1.4	1.9	3.0	2.7	3.6	2.0	1.9	1.7	1.3	1.1	1.8	0.3	0.3	93.7	5.2	0.3	5.6	18.40	100.0%	15
16	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.6	0.1	0.2	0.3	0.3	0.1	SPN	0.2	0.1	0.2	0.0	0.6	0.6	0.0	0.3	0.17	95.8%	16
17	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	CAL	0.4	0.2	0.0	0.1	0.09	95.8%	17
18	CAL	0.1	0.0	0.0	0.0	0.0	1.1	8.4	17.2	6.3	1.7	8.2	15.9	0.9	1.6	6.8	12.0	0.2	6.8	0.0	0.0	0.0	0.0	0.0	17.2	15.9	0.0	3.8	5.27	95.8%	18
19	0.0	0.0	0.0	0.0	0.0	0.4	29.0	46.4	30.0	5.9	13.6	4.4	12.5	9.7	4.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.4	30.0	0.0	6.7	11.80	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	4.0	0.1	3.3	12.6	9.9	2.7	0.5	QAS	QAS	0.1	0.1	0.1	0.0	0.0	CAL	CAL	0.1	0.0	0.0	12.6	9.9	0.0	1.7	3.44	83.3%	20
21	0.0	0.1	0.1	0.3	1.0	0.9	0.8	3.3	11.5	6.9	5.1	3.3	3.1	0.8	2.1	5.7	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	6.9	0.0	2.0	2.80	100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.3	16.8	0.9	2.7	1.0	0.9	2.2	4.9	1.8	4.1	3.4	4.2	3.6	17.4	0.8	0.5	0.2	0.1	0.2	17.4	16.8	0.0	2.8	4.59	100.0%	22
23	0.2	0.3	0.1	0.0	0.2	0.4	1.2	2.1	1.7	1.3	0.7	1.6	0.6	1.1	1.0	0.7	0.5	0.4	0.4	SPN	0.2	0.3	0.2	0.3	2.1	1.7	0.0	0.7	0.56	95.8%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.6		6.1	1.2	1.0	1.1	0.6	2.3	3.7	1.8	1.9	3.0	2.6	2.1	1.	4	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	6.1	3.7	0.3	1.5	1.3(	.0%	24
25	0.4	1.6	0.2	0.2	2.1	23.7	1.4	0.9	1.0	2.5	0.2	4.0	13.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	23.7	13.3	0.0	2.2	5.23	100.0%	25
26	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	1.1	0.9	3.3	9.7	9.7	3.3	0.0	0.7	1.99	100.0%	26
27	4.7	2.4	3.8	0.8	0.3	0.6	9.1	1.7	6.2	8.1	4.5	4.8	8.1	5.9	4.8	6.5	11.6	13.9	12.4	2.9	0.5	0.3	0.3	0.2	13.9	12.4	0.2	4.8	4.01	100.0%	27
28	0.1	0.1	0.1	0.1	0.1	0.2	8.7	5.0	2.3	0.2	0.2	0.5	10.9	11.4	6.4	16.8	16.5	5.2	1.3	0.0	0.1	0.0	0.0	0.0	16.8	16.5	0.0	3.6	5.28	100.0%	28
29	0.0	0.2	0.3	0.6	0.6	0.6	0.6	0.8	0.9	1.0	1.0	1.0	1.0	1.0	3.3	1.6	2.4	1.7	1.2	1.3	1.2	1.2	1.0	1.0	3.3	2.4	0.0	1.1	0.68	100.0%	29
30	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.9	0.3	0.2	0.2	0.3	0.2	0.4	0.1	0.1	0.1	0.2	0.2	SPN	0.3	0.1	0.1	0.3	1.0	1.0	0.1	0.5	0.36	95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 633 Sulfur Dioxide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
93.7 ppb	46.4 ppb	0.0 ppb	2.15 ppb	5.77	96.2%
April 15 6:00 am	April 19 7:00 am	April 3 3:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.6	0.3	0.3	0.2	0.3	0.3	0.5	0.6	0.8	0.9	0.7	0.7	0.7	1.1	**4.5**	3.5	2.6	2.9	2.9	2.5	1.4	1.5	1.5	1.0	4.5	3.5	0.2	1.3	1.16	100.0%	1
2	2.1	2.0	0.7	**3.1**	0.6	0.3	1.2	1.3	1.0	0.9	1.5	1.7	2.1	1.6	1.9	3.1	2.6	1.3	0.9	0.7	1.2	1.1	1.0	0.4	3.1	3.1	0.3	1.4	0.76	100.0%	2
3	4.5	**9.4**	1.6	2.0	4.0	1.4	0.6	0.4	0.7	1.7	1.4	1.6	2.2	3.6	3.0	2.9	3.3	1.6	1.3	1.1	1.0	0.7	1.0	0.9	9.4	4.5	0.4	2.2	1.87	100.0%	3
4	1.3	1.2	1.2	1.7	1.3	1.6	2.0	2.0	2.2	1.6	1.7	1.6	1.7	1.8	2.4	2.5	3.2	3.4	**3.8**	2.9	2.5	3.1	1.9	3.2	3.8	3.4	1.2	2.1	0.76	100.0%	4
5	0.7	0.4	0.4	0.3	0.5	32.1	**81.7**	1.0	1.7	2.0	1.8	2.5	3.6	2.7	2.7	2.3	2.0	1.0	0.8	2.5	0.3	0.3	0.3	0.3	81.7	32.1	0.3	6.0	16.96	100.0%	5
6	0.2	0.3	0.5	0.2	0.5	0.5	**19.5**	2.4	2.8	0.9	0.6	1.6	1.5	0.9	1.1	2.9	1.9	0.2	0.2	0.1	0.2	0.0	0.0	0.1	19.5	2.9	0.0	1.6	3.82	100.0%	6
7	**0.1**	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	SPN	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.05	95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	**0.7**	0.7	0.6	0.0	0.0	0.6	0.7	0.7	0.0	0.1	0.23	100.0%	8
9	0.8	1.3	0.2	0.2	1.8	**5.9**	0.3	0.4	0.5	0.7	1.2	3.6	3.5	4.5	1.6	1.4	1.5	1.9	1.0	0.3	1.7	0.4	0.0	0.0	5.9	4.5	0.0	1.4	1.47	100.0%	9
10	0.0	0.0	0.1	0.2	0.2	8.6	27.8	47.8	**59.9**	11.5	13.3	5.8	7.9	8.6	5.6	2.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	59.9	47.8	0.0	8.4	15.21	100.0%	10
11	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	2.9	1.8	1.7	2.5	**3.6**	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.9	0.0	0.6	1.05	95.8%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**1.0**	0.8	0.1	0.0	0.0	0.0	1.0	0.8	0.0	0.1	0.25	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**1.0**	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2	0.0	0.1	0.20	100.0%	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	1.0	0.8	2.3	1.9	2.1	**4.6**	4.3	0.5	0.3	SPN	0.0	0.0	0.0	0.0	4.6	4.3	0.0	0.8	1.32	95.8%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.0	0.5	0.3	**2.3**	1.1	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.7	0.0	0.3	0.60	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	1.1	0.8	1.1	1.0	0.1	0.7	**1.5**	0.7	0.5	0.3	0.3	1.5	1.1	0.0	0.4	0.44	100.0%	16
17	0.7	**1.9**	0.5	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.2	0.43	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.2**	0.0	0.0	0.0	CAL	CAL	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.03	91.7%	18
19	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	**2.6**	2.2	2.4	0.7	0.0	0.0	0.0	0.0	2.6	2.4	0.0	0.4	0.78	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	2.9	3.3	**6.9**	5.5	3.0	1.7	0.2	0.0	0.1	0.0	0.0	0.0	6.9	5.5	0.0	1.0	1.88	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	3.1	4.7	**6.5**	1.0	0.4	0.3	SPN	0.0	0.0	0.0	0.0	6.5	4.7	0.0	0.8	1.67	95.8%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**1.1**	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.0	1.1	0.2	0.0	0.1	0.23	100.0%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.03	0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.04	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	1.6	0.4	0.2	0.0	0.0	0.0	1.6	1.5	0.0	0.2	0.42	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.6	0.2	1.2	1.5	3.5	2.9	3.2	3.2	3.5	2.6	6.5	7.4	1.3	0.9	0.5	1.2	0.8	0.6	0.5	7.4	6.5	0.0	1.8	1.96	100.0%	26
27	0.2	0.1	0.1	0.1	0.0	0.2	0.1	0.4	4.0	3.9	1.6	2.0	1.4	0.3	3.0	0.9	0.4	0.0	0.0	0.0	0.3	0.2	0.0	0.0	4.0	3.9	0.0	0.8	1.20	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	SPN	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.05	95.8%	28
29	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.07	100.0%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.04	100.0%	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	1.1	0.0	0.1	0.0	0.0	0.0	2.0	1.5	0.0	0.2	0.53	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 633 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
81.7 ppb	59.9 ppb	0.0 ppb	1.05 ppb	4.62	99.1%
May 5 6:00 am	May 10 8:00 am	May 7 3:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 8, 2005

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.3	0.5	0.1	0.1	0.1	0.3	0.2	0.0	0.0	0.0	QAS	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.3	0.0	0.1	0.14	75.0%	1
2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.12	100.0%	2
3	0.6	0.0	0.0	0.0	0.1	0.5	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.0	0.1	0.15	87.5%	3
4	0.2	0.4	0.9	0.5	1.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	0.0	0.2	0.33	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	5
6	0.0	0.0	0.2	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.09	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.2	0.2	0.1	0.3	0.2	0.0	0.0	0.09	79.2%	7
8	0.0	0.1	0.1	0.2	0.4	0.3	0.8	0.9	0.7	0.9	0.4	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.4	0.5	0.8	0.9	0.9	0.0	0.3	0.31	100.0%	8
9	1.5	1.0	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.4	1.3	1.3	1.4	1.1	1.0	1.0	1.0	1.5	1.4	0.3	0.9	0.39	100.0%	9
10	0.9	0.8	0.8	0.7	1.0	0.7	SPN	SPN	SPN	0.0	0.1	0.1	0.1	0.3	0.9	0.8	0.8	0.9	0.9	0.9	0.7	0.7	0.4	0.3	1.0	0.9	0.0	0.6	0.31	87.5%	10
11	0.4	0.5	0.6	0.6	0.7	0.4	0.4	0.4	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.0	0.2	0.26	79.2%	11
12	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.13	100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.02	100.0%	13
14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.03	100.0%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	CAL	CAL	CAL	CAL	0.2	0.8	0.8	0.2	0.0	0.1	0.18	70.8%	17
18	1.0	0.6	0.7	1.6	0.4	0.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.6	1.0	0.0	0.2	0.39	100.0%	18
19	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	19
20	0.0	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.1	0.08	91.7%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	CAL	CAL	0.6	0.9	0.9	0.7	0.8	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.3	0.34	83.3%	21
22	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.3	0.3	0.0	0.0	0.10	100.0%	22
23	0.4	0.5	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.3	0.5	0.4	0.0	0.1	0.15	100.0%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.2		0.2	0.6	**0.7**	0.7	SPN	SPN	SPN	0.4	0.4	0.5	0.3	0.5	0.	3	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.7	0.7	0.0	0.3	0.2	5%	24
25	0.1	0.1	0.0	0.0	0.2	**1.2**	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	1.2	0.6	0.0	0.1	0.25	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.3**	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.07	100.0%	26
27	0.1	0.3	0.3	0.2	0.1	0.1	**0.8**	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.3	0.8	0.4	0.0	0.1	0.19	100.0%	27
28	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.3	0.0	0.1	0.10	100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.0	0.3	0.2	0.0	0.0	0.08	100.0%	29
30	0.1	0.0	0.0	0.1	0.1	0.0	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	0.1	0.4	0.3	0.0	0.1	0.12	100.0%	30

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 633 Hydrogen Sulfide Monthly Statistics for April 2005

Max	SH	Min	Avg	STD	Cap
1.6 ppb	1.5 ppb	0.0 ppb	0.14 ppb	0.27	94.7%
April 18 3:00 am	April 9 Mid	April 1 7:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

CAMS 633 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.5	0.5	0.4	0.4	0.5	0.4	SPN	SPN	SPN	0.3	0.3	0.2	0.1	0.0	0.6	0.6	0.5	0.2	0.3	0.1	0.0	0.5	0.7	0.0	0.7	0.6	0.0	0.3	0.19	87.5%	1
2	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.6	0.2	0.0	0.1	0.12	100.0%	2
3	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.5	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.4	0.2	0.2	0.2	0.3	0.5	0.4	0.0	0.1	0.13	100.0%	3
4	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.0	0.1	0.10	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.04	100.0%	5
6	0.0	0.0	0.2	0.0	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.1	0.09	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.03	100.0%	7
8	0.0	0.0	0.1	0.0	0.0	0.0	SPN	SPN	SPN	0.6	1.2	1.3	1.0	0.8	0.4	0.3	0.3	0.1	0.2	0.7	0.0	0.0	0.0	0.5	1.3	1.2	0.0	0.4	0.40	87.5%	8
9	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.05	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.03	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.07	95.8%	11
12	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.3	0.2	0.0	0.1	0.08	100.0%	12
13	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.1	0.07	100.0%	13
14	0.2	0.1	1.0	0.9	0.3	0.6	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.0	0.1	0.2	0.1	0.1	0.0	0.0	1.0	0.9	0.0	0.2	0.25	100.0%	14
15	0.1	0.2	0.1	1.6	3.4	3.4	SPN	SPN	SPN	0.7	0.6	0.7	0.5	0.5	0.5	0.3	0.2	0.0	0.0	0.1	0.0	0.1	0.5	0.6	3.4	3.4	0.0	0.7	0.96	87.5%	15
16	0.2	0.7	0.0	0.0	1.7	1.3	0.8	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	1.7	1.3	0.0	0.3	0.44	100.0%	16
17	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.03	100.0%	17
18	0.2	0.4	0.3	0.1	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.1	0.16	100.0%	18
19	0.0	0.0	0.0	0.0	0.3	0.7	CAL	CAL	CAL	CAL	0.3	0.9	1.1	1.0	0.8	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.3	0.38	83.3%	19
20	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	1.3	0.2	0.0	1.3	0.5	0.0	0.1	0.27	100.0%	20
21	0.0	0.0	0.0	0.4	0.4	0.7	0.6	0.1	0.0	0.0	0.0	0.3	0.5	0.3	0.4	0.6	0.0	0.0	0.0	0.4	0.3	0.4	0.1	0.1	0.7	0.6	0.0	0.2	0.21	100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.3	0.6	0.4	0.4	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.4	0.0	0.1	0.18	87.5%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0%	23
24	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.05	100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.05	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.4	0.3	0.0	0.1	0.10	100.0%	26
27	1.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.2	0.2	0.0	0.1	0.25	100.0%	27
28	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.05	100.0%	28
29	0.0	0.0	0.2	0.4	0.2	0.0	SPN	SPN	SPN	0.4	0.9	0.9	0.8	0.5	0.3	0.3	0.3	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.9	0.9	0.0	0.3	0.27	87.5%	29
30	0.0	0.0	0.0	0.9	2.4	1.1	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.1	0.1	2.4	1.1	0.0	0.3	0.54	100.0%	30
31	0.0	0.2	0.3	0.7	2.0	1.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.3	0.2	0.2	2.0	1.2	0.0	0.3	0.47	100.0%	31

Maximum values for each day are highlighted within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 633 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
3.4 ppb	3.4 ppb	0.0 ppb	0.14 ppb	0.31	97.3%
May 15 5:00 am	May 15 4:00 am	May 2 3:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 8, 2005

Solar Estates [33] Daily Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: April 13 2005

Select a Site: Solar Estates [33]

Measured in: (•) ppb-Volume ( ) ppb-Carbon

Report Format: (•) Tabular (webified) ( ) Comma-delimited

Generate Report

The table below contains hourly averages for **Wednesday, April 13, 2005**. All times shown are in Local Standard Time regardless of Daylight Savings Time Observance.

Parameter	Morning												Afternoon												Parameter
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	11:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Ethane	25.29	66.23	ST	BL	15.40	7.05	7.25	9.46	17.83	14.71	10.71	12.78	13.01	11.49	11.21	7.82	7.37	4.97	3.72	4.36	28.86	13.27	8.32	9.70	Ethane
Ethylene	0.22	0.31	ST	BL	0.41	0.39	0.88	0.81	0.94	0.67	1.01	1.42	1.39	1.77	1.99	0.91	0.89	0.24	0.23	0.63	0.21	0.17	0.18	0.19	Ethylene
Propane	22.06	66.45	ST	BL	8.58	4.07	4.32	5.11	5.72	6.25	6.79	14.13	15.39	15.49	15.17	7.06	6.47	3.05	1.69	1.97	15.64	11.32	4.35	5.24	Propane
Propylene	0.18	0.44	ST	BL	0.20	0.21	0.30	0.29	0.46	0.46	0.46	0.66	0.74	0.88	0.96	0.43	0.42	0.12	0.09	0.17	0.18	0.12	0.09	0.11	Propylene
Isobutane	10.24	31.89	ST	BL	3.39	2.04	1.40	1.31	1.60	1.95	2.55	3.99	4.13	3.61	3.22	1.99	1.58	1.01	0.42	0.65	4.53	5.08	1.48	1.78	Isobutane
n-Butane	10.33	32.25	ST	BL	9.10	9.54	2.50	3.30	2.81	2.92	3.92	6.35	6.60	6.16	5.60	3.11	2.70	1.54	0.64	1.04	5.12	5.38	1.72	2.03	n-Butane
Acetylene	0.22	0.25	ST	BL	0.21	0.23	0.53	0.43	0.35	0.33	0.36	0.31	0.34	0.38	0.33	0.33	0.46	0.20	0.41	2.99	0.25	0.22	0.19	0.20	Acetylene
t-2-Butene	0.17	0.17	ST	BL	0.29	0.34	0.20	0.22	0.22	0.20	0.16	0.13	0.12	0.13	0.13	0.10	0.11	0.10	0.11	0.14	0.14	0.14	0.14	0.15	t-2-Butene
1-Butene	0.02	0.02	ST	BL	0.07	0.08	0.06	0.08	0.09	0.10	0.09	0.08	0.10	0.11	0.11	0.06	0.05	0.02	0.02	0.03	0.02	0.02	0.02	0.02	1-Butene
c-2-Butene	0.05	0.05	ST	BL	0.17	0.21	0.07	0.11	0.12	0.11	0.08	0.05	0.05	0.06	0.07	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	c-2-Butene
Cyclopentane	0.30	0.67	ST	BL	0.30	0.25	0.22	0.31	0.52	0.64	0.68	0.69	0.68	0.68	0.67	0.55	0.54	0.40	0.23	0.18	0.23	0.20	0.17	0.19	Cyclopentane
Isopentane	6.79	19.07	ST	BL	5.92	6.05	3.11	4.21	5.65	6.61	6.79	8.00	8.29	8.22	8.27	5.98	6.14	4.34	2.45	2.07	3.70	3.84	2.17	2.69	Isopentane
n-Pentane	4.01	11.78	ST	BL	2.59	2.22	1.39	1.92	3.04	3.60	3.90	4.35	4.38	4.28	3.95	2.54	2.50	1.69	0.93	0.94	2.22	2.20	0.99	1.23	n-Pentane
1,3-Butadiene	0.03	0.04	ST	BL	0.03	0.03	0.07	0.19	0.14	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.04	0.06	0.04	0.04	0.03	0.04	1,3-Butadiene
t-2-Pentene	0.01	0.01	ST	BL	0.26	0.37	0.07	0.09	0.09	0.10	0.04	0.02	0.02	0.03	0.03	0.02	0.03	0.01	0.01	0.03	0.01	0.01	0.01	0.02	t-2-Pentene
1-Pentene	0.01	0.01	ST	BL	0.12	0.16	0.04	0.07	0.04	0.06	0.03	0.04	0.04	0.05	0.04	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.01	1-Pentene
c-2-Pentene	0.00	0.00	ST	BL	0.11	0.15	0.03	0.04	0.04	0.04	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	c-2-Pentene

2,2-Dime tane	0.32	1.10	ST	BL	0.13	0.09	0.07	0.08	0.10	0.11	0.13	0.1	25	0.23	0.21	0.12	0.12	0.08	0.04	0.04	0.10	0.12	0.04	0.07	2,2-Di ibutane
2-Methylpentane	AQI	AQI	ST	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2-Methylpentane
Isoprene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Isoprene
n-Hexane	0.00	4.01	ST	BL	0.00	0.00	0.00	0.77	0.71	0.60	0.64	0.80	0.94	0.82	0.70	0.33	0.31	0.15	0.10	0.00	0.83	0.70	0.27	0.34	n-Hexane
Methylcyclopentane	0.10	0.29	ST	BL	0.03	0.02	0.02	0.00	0.32	0.23	0.26	0.30	0.40	0.35	0.23	0.12	0.14	0.00	0.00	0.00	0.03	0.03	0.00	0.00	Methylcyclopentane
2,4-Dimethylpentane	0.00	1.68	ST	BL	0.33	0.00	0.18	0.21	0.00	0.00	0.00	0.00	0.09	0.08	0.00	0.00	0.00	0.05	0.04	0.09	0.29	0.21	0.10	0.12	2,4-Dimethylpentane
Benzene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.40	0.85	0.93	0.83	1.13	0.84	0.62	0.34	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Benzene
Cyclohexane	0.08	0.19	ST	BL	0.04	0.05	0.00	0.00	0.32	0.23	0.30	0.34	0.35	0.27	0.23	0.11	0.13	0.00	0.00	0.00	0.04	0.00	0.00	0.00	Cyclohexane
2-Methylhexane	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.16	0.08	0.14	0.18	0.21	0.20	0.11	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylhexane
2,3-Dimethylpentane	0.00	0.78	ST	BL	0.00	0.00	0.00	0.06	0.08	0.00	0.06	0.09	0.11	0.10	0.00	0.00	0.00	0.03	0.00	0.04	0.10	0.10	0.00	0.00	2,3-Dimethylpentane
3-Methylhexane	0.05	0.16	ST	BL	0.00	0.00	0.00	0.00	0.19	0.14	0.16	0.20	0.24	0.21	0.18	0.09	0.10	0.00	0.00	0.00	0.03	0.02	0.00	0.00	3-Methylhexane
2,2,4-Trimethylpentane	0.13	0.26	ST	BL	0.09	0.03	0.06	0.05	0.16	0.17	0.13	0.20	0.28	0.22	0.17	0.09	0.08	0.00	0.02	0.00	0.07	0.06	0.03	0.05	2,2,4-Trimethylpentane
n-Heptane	0.00	1.36	ST	BL	0.26	0.00	0.00	0.11	0.39	0.24	0.26	0.32	0.35	0.29	0.24	0.12	0.12	0.05	0.04	0.11	0.24	0.23	0.12	0.12	n-Heptane
Methylcyclohexane	0.00	0.00	ST	BL	0.45	0.17	0.20	0.14	0.62	0.31	0.37	0.36	0.30	0.25	0.19	0.10	0.12	0.05	0.03	0.12	0.39	0.35	0.21	0.23	Methylcyclohexane
2,3,4-Trimethylpentane	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.03	0.02	0.02	0.04	0.02	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,3,4-Trimethylpentane
Toluene	0.02	0.04	ST	BL	0.01	0.02	0.03	0.02	0.03	0.03	0.66	0.76	0.06	0.82	0.68	0.02	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	Toluene
2-Methylheptane	0.01	0.10	ST	BL	0.01	0.00	0.00	0.00	0.03	0.01	0.11	0.12	0.02	0.06	0.09	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylheptane
3-Methylheptane	0.11	0.17	ST	BL	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.08	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3-Methylheptane
n-Octane	0.00	0.02	ST	BL	0.02	0.01	0.02	0.01	0.07	0.04	0.18	0.19	0.03	0.17	0.15	0.01	0.01	0.02	0.02	0.04	0.02	0.01	0.01	0.01	n-Octane
Ethyl Benzene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.15	0.17	0.15	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Ethyl Benzene
p–Xylene + m-Xylene	0.07	0.11	ST	BL	0.07	0.06	0.09	0.10	0.60	0.16	0.16	0.16	0.37	0.47	0.40	0.28	0.30	0.07	0.05	0.06	0.07	0.05	0.05	0.05	p-Xylene + m-Xylene
Styrene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.13	0.15	0.17	0.14	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Styrene
o-Xylene	0.03	0.06	ST	BL	0.02	0.02	0.02	0.02	0.16	0.05	0.05	0.05	0.13	0.20	0.15	0.11	0.12	0.00	0.00	0.02	0.01	0.02	0.01	0.00	o-Xylene
n-Nonane	0.01	0.01	ST	BL	0.01	0.00	0.00	0.00	0.26	0.02	0.01	0.01	0.10	0.10	0.08	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Nonane
Isopropyl Benzene - Cumene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.04	0.04	0.03	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Isopropyl Benzene - Cumene
n-Propylbenzene	0.01	0.01	ST	BL	0.01	0.00	0.01	0.01	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.00	0.00	n-Propylbenzene
1,3,5-Trimethylbenzene	0.00	0.00	ST	BL	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.03	0.03	0.03	0.03	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene	0.03	0.03	ST	BL	0.03	0.03	0.05	0.04	0.19	0.06	0.06	0.05	0.07	0.09	0.12	0.09	0.11	0.02	0.02	0.03	0.02	0.02	0.02	0.02	1,2,4-Trimethylbenzene
n-Decane	0.07	0.07	ST	BL	0.10	0.09	0.20	0.13	0.16	0.12	0.09	0.08	0.09	0.10	0.11	0.09	0.09	0.04	0.04	0.08	0.04	0.05	0.05	0.05	n-Decane

1,2,3-Trimethylbenzene	0.05	0.07	ST	BL	0.04	0.03	0.01	0.02	0.08	0.15	**0.16**	0.1	.01	0.01	0.01	0.01	0.01	0.06	0.04	0.03	0.03	0.03	0.03	0.03	1,2,3-Trimethylbenzene
Parameter	**Mid**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Noon**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Parameter**

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-Carbon.

Maximum values for the day are **bold** within the table.

Compounds measured in parts per billion - Volume

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

Advanced Options

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Clear All checkboxes

Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]
☑ Acetylene [P] *	☑ 3-Methylhexane [BP] *	☑ t-2-Hexene [BP]
☑ t-2-Butene [P] *	☑ 2,2,4-Trimethylpentane [BP] *	☑ 3-Methyl-1-Butene+Cyclopentene [P]
☑ 1-Butene [P] *	☑ n-Heptane [BP] *	☑ b-Pinene [BP]
☑ c-2-Butene [P] *	☑ Methylcyclohexane [BP] *	☑ 4-Methyl-1-Pentene [P]
☑ Cyclopentane [P] *	☑ 2,3,4-Trimethylpentane [BP] *	☑ 1-Hexene [P]
☑ Isopentane [P] *	☑ Toluene [BP] *	☑ Isobutene [P]
☑ n-Pentane [P] *	☑ 2-Methylheptane [BP] *	☑ 2-Methyl-1-Pentene [P]
☑ 1,3-Butadiene [P] *	☑ 3-Methylheptane [BP] *	☑ a-Pinene [BP]
☑ 2-Methyl-2-Butene [P]	☑ n-Octane [BP] *	☑ c-2-Hexene [BP]
☑ Cyclopentene [P]	☑ Ethyl Benzene [BP] *	☐ Wind Speed
☑ t-2-Pentene [P] *	☑ p-Xylene + m-Xylene [BP] *	☐ Resultant Wind Speed
☑ 3-Methyl-1-Butene [P]	☑ Styrene [BP] *	☐ Resultant Wind Direction
☑ 1-Pentene [P] *	☑ o-Xylene [BP] *	
☑ c-2-Pentene [P] *	☑ n-Nonane [BP] *	

☑ imethylbutane [P] *	☑ Isopropyl Benzene - Cumene [BP] *
☑ 2,3-Dimethylbutane [P]	☑ n-Propylbenzene [BP] *
☑ 2-Methylpentane [P]	☑ m-Ethyltoluene [BP]
☑ 3-Methylpentane [P]	☑ p-Ethyltoluene [BP]
☑ Isoprene [P] *	☑ 1,3,5-Trimethylbenzene [BP] *
☑ n-Hexane [BP] *	☑ o-ethyltoluene [BP]

* - Target Compounds effective April 1998

Generate Report

Reset to Defaults

Last Modified: June 10, 2005

Solar Estates [33] Daily Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: May 8 2005

Select a Site: Solar Estates [33]

Measured in: (•) ppb-Volume ( ) ppb-Carbon

Report Format: (•) Tabular (webified) ( ) Comma-delimited

Generate Report

The table below contains hourly averages for **Sunday, May 8, 2005**. All times shown are in Local Standard Time regardless of Daylight Savings Time Observance.

Parameter	Morning												Afternoon												Parameter
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	11:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Ethane	ST	ST	BL	1.83	8.83	5.22	2.94	2.40	4.19	4.83	3.62	1.82	1.50	1.75	1.34	1.36	1.70	3.02	4.54	7.04	6.71	3.92	IQ	**45.20**	Ethane
Ethylene	ST	ST	BL	0.08	0.09	0.11	0.03	0.03	0.13	0.10	0.06	0.11	0.09	0.07	0.05	0.05	0.07	0.07	0.38	0.31	0.55	0.12	IQ	**3.38**	Ethylene
Propane	ST	ST	BL	0.63	6.50	3.59	1.43	1.23	2.59	3.42	2.27	0.72	0.35	0.58	0.26	0.35	0.71	1.55	3.78	3.94	7.93	2.35	IQ	**108.50**	Propane
Propylene	ST	ST	BL	0.04	0.05	0.03	0.05	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.03	0.04	0.04	0.54	0.85	0.39	0.07	IQ	**1.67**	Propylene
Isobutane	ST	ST	BL	0.25	2.52	1.32	0.53	0.51	1.10	1.26	0.95	0.29	0.12	0.23	0.08	0.12	0.27	0.58	2.04	1.35	3.05	0.97	IQ	**59.43**	Isobutane
n-Butane	ST	ST	BL	0.31	2.88	1.36	0.49	0.56	1.36	1.41	1.11	0.34	0.14	0.28	0.10	0.15	0.31	0.64	2.94	1.15	4.43	1.13	IQ	**84.94**	n-Butane
Acetylene	ST	ST	BL	0.10	0.13	0.09	0.11	0.11	0.12	0.11	0.11	0.10	0.10	0.11	0.10	0.08	0.09	0.10	0.24	0.40	0.18	0.12	IQ	**0.68**	Acetylene
t-2-Butene	ST	ST	BL	0.11	0.11	0.11	0.12	0.12	0.12	0.11	0.12	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.25	**0.33**	0.14	0.12	IQ	0.26	t-2-Butene
1-Butene	ST	ST	BL	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.10	**0.17**	0.05	0.01	IQ	0.16	1-Butene
c-2-Butene	ST	ST	BL	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.14	**0.20**	0.05	0.03	IQ	0.16	c-2-Butene
Cyclopentane	ST	ST	BL	0.06	0.15	0.14	0.15	0.16	0.18	0.14	0.11	0.07	0.05	0.05	0.04	0.04	0.05	0.06	0.20	0.17	0.25	0.16	IQ	**1.78**	Cyclopentane
Isopentane	ST	ST	BL	0.67	2.19	1.78	1.63	1.88	2.27	1.81	1.37	0.80	0.51	0.52	0.35	0.32	0.42	0.63	4.52	2.56	3.31	2.02	IQ	**30.89**	Isopentane
n-Pentane	ST	ST	BL	0.31	1.34	0.77	0.59	0.69	0.99	0.83	0.70	0.33	0.20	0.25	0.14	0.15	0.23	0.34	2.02	0.99	1.86	0.91	IQ	**20.93**	n-Pentane
1,3-Butadiene	ST	ST	BL	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.03	IQ	**0.09**	1,3-Butadiene
t-2-Pentene	ST	ST	BL	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.22**	0.11	0.03	0.00	IQ	0.19	t-2-Pentene

ntene	ST	ST	BL	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.0(	0	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.02	0.00	IQ	0.12	1-Pent
c-2-Pentene	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.04	0.01	0.00	IQ	0.10	c-2-Pentene
2,2-Dimethylbutane	ST	ST	BL	0.01	0.07	0.03	0.02	0.03	0.04	0.03	0.03	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.09	0.04	0.06	0.04	IQ	0.77	2,2-Dimethylbutane
2-Methylpentane	ST	ST	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2-Methylpentane
Isoprene	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.08	0.15	0.11	0.12	0.09	0.11	0.09	0.01	0.01	0.00	0.00	IQ	0.01	Isoprene
n-Hexane	ST	ST	BL	0.09	0.44	0.15	0.07	0.09	0.22	0.20	0.20	0.08	0.04	0.06	0.02	0.03	0.06	0.10	0.61	0.20	0.48	0.23	IQ	5.30	n-Hexane
Methylcyclopentane	ST	ST	BL	0.03	0.16	0.06	0.03	0.04	0.08	0.08	0.08	0.03	0.00	0.03	0.00	0.00	0.03	0.05	0.31	0.09	0.21	0.08	IQ	3.54	Methylcyclopentane
2,4-Dimethylpentane	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	IQ	0.00	2,4-Dimethylpentane
Benzene	ST	ST	BL	0.07	0.22	0.11	0.10	0.08	0.14	0.11	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.06	0.40	0.30	0.19	0.13	IQ	1.13	Benzene
Cyclohexane	ST	ST	BL	0.06	0.29	0.11	0.05	0.06	0.14	0.13	0.13	0.05	0.03	0.04	0.00	0.03	0.05	0.08	0.20	0.09	0.25	0.14	IQ	3.16	Cyclohexane
2-Methylhexane	ST	ST	BL	0.00	0.06	0.02	0.00	0.00	0.04	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.07	0.04	IQ	0.83	2-Methylhexane
2,3-Dimethylpentane	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	IQ	0.37	2,3-Dimethylpentane
3-Methylhexane	ST	ST	BL	0.00	0.07	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.05	0.10	0.04	IQ	0.92	3-Methylhexane
2,2,4-Trimethylpentane	ST	ST	BL	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.00	IQ	0.96	2,2,4-Trimethylpentane
n-Heptane	ST	ST	BL	0.02	0.15	0.04	0.02	0.02	0.07	0.06	0.07	0.03	0.00	0.02	0.00	0.00	0.02	0.03	0.25	0.05	0.18	0.08	IQ	1.66	n-Heptane
Methylcyclohexane	ST	ST	BL	0.03	0.21	0.07	0.04	0.04	0.10	0.09	0.10	0.04	0.02	0.03	0.00	0.00	0.03	0.06	0.23	0.07	0.21	0.10	IQ	3.08	Methylcyclohexane
2,3,4-Trimethylpentane	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	IQ	0.06	2,3,4-Trimethylpentane
Toluene	ST	ST	BL	0.06	0.18	0.11	0.07	0.08	0.12	0.11	0.08	0.06	0.05	0.05	0.03	0.03	0.04	0.06	0.63	0.44	0.23	0.10	IQ	1.29	Toluene
2-Methylheptane	ST	ST	BL	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.03	0.02	IQ	0.28	2-Methylheptane
3-Methylheptane	ST	ST	BL	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.03	0.00	IQ	0.34	3-Methylheptane
n-Octane	ST	ST	BL	0.01	0.04	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.13	0.03	0.07	0.02	IQ	0.83	n-Octane
Ethyl Benzene	ST	ST	BL	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.21	0.09	0.05	0.03	IQ	0.31	Ethyl Benzene
p-Xylene + m-Xylene	ST	ST	BL	0.07	0.10	0.08	0.07	0.07	0.08	0.08	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.05	1.03	0.49	0.17	0.07	IQ	1.16	p-Xylene + m-Xylene
Styrene	ST	ST	BL	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.05	0.04	IQ	0.11	Styrene
o-Xylene	ST	ST	BL	0.03	0.05	0.04	0.04	0.03	0.05	0.04	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.29	0.26	0.07	0.03	IQ	0.39	o-Xylene
n-Nonane	ST	ST	BL	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.03	0.03	0.01	IQ	0.33	n-Nonane
Isopropyl Benzene - Cumene	ST	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.01	0.00	IQ	0.05	Isopropyl Benzene - Cumene
n-Propylbenzene	ST	ST	BL	0.02	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.01	0.00	IQ	0.05	n-Propylbenzene

1,3,5-Trimethylbenzene	ST	ST	BL	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	00	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.02	0.01	IQ	**0.12**	**1,3,5-Trimethylbenzene**
1,2,4-Trimethylbenzene	ST	ST	BL	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.12	0.09	0.04	0.02	IQ	**0.22**	**1,2,4-Trimethylbenzene**
n-Decane	ST	ST	BL	0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.02	0.00	IQ	**0.23**	**n-Decane**
1,2,3-Trimethylbenzene	ST	ST	BL	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.40	0.18	0.17	0.14	IQ	**0.50**	**1,2,3-Trimethylbenzene**
Parameter	**Mid**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Noon**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Parameter**

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-Carbon.

Maximum values for the day are **bold** within the table.

Compounds measured in parts per billion - Volume

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

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Clear All checkboxes | Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]
☑ Acetylene [P] *	☑ 3-Methylhexane [BP] *	☑ t-2-Hexene [BP]
☑ t-2-Butene [P] *	☑ 2,2,4-Trimethylpentane [BP] *	☑ 3-Methyl-1-Butene+Cyclopentene [P]
☑ 1-Butene [P] *	☑ n-Heptane [BP] *	☑ b-Pinene [BP]
☑ c-2-Butene [P] *	☑ Methylcyclohexane [BP] *	☑ 4-Methyl-1-Pentene [P]
☑ Cyclopentane [P] *	☑ 2,3,4-Trimethylpentane [BP] *	☑ 1-Hexene [P]
☑ Isopentane [P] *	☑ Toluene [BP] *	☑ Isobutene [P]
☑ n-Pentane [P] *	☑ 2-Methylheptane [BP] *	☑ 2-Methyl-1-Pentene [P]
☑ 1,3-Butadiene [P] *	☑ 3-Methylheptane [BP] *	☑ a-Pinene [BP]

☑ ethyl-2-Butene [P]	☑ n-Octane [BP] *	☑ c-2-Hexe.]
☑ Cyclopentene [P]	☑ Ethyl Benzene [BP] *	☐ Wind Speed
☑ t-2-Pentene [P] *	☑ p-Xylene + m-Xylene [BP] *	☐ Resultant Wind Speed
☑ 3-Methyl-1-Butene [P]	☑ Styrene [BP] *	☐ Resultant Wind Direction
☑ 1-Pentene [P] *	☑ o-Xylene [BP] *	
☑ c-2-Pentene [P] *	☑ n-Nonane [BP] *	
☑ 2,2-Dimethylbutane [P] *	☑ Isopropyl Benzene - Cumene [BP] *	
☑ 2,3-Dimethylbutane [P]	☑ n-Propylbenzene [BP] *	
☑ 2-Methylpentane [P]	☑ m-Ethyltoluene [BP]	
☑ 3-Methylpentane [P]	☑ p-Ethyltoluene [BP]	
☑ Isoprene [P] *	☑ 1,3,5-Trimethylbenzene [BP] *	
☑ n-Hexane [BP] *	☑ o-ethyltoluene [BP]	

* - Target Compounds effective April 1998

Generate Report

Reset to Defaults

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

CAMS 634

Oak Park

Site 1.a

AUTO GC SITE

June 15, 2005

Texas Natural Resource Conservation Commission

CAMS 634 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	314.67	261.06	229.42	184.23	198.26	297.47	218.27	307.49	**325.72**	317.82	278.72	275.85	290.69	301.36	255.09	247.88	233.73	184.70	191.85	174.65	184.19	219.28	179.13	143.21	325.72	317.82	143.21	241.90	53.47	100.0%	1
2	233.15	182.15	319.08	**510.69**	260.24	355.62	370.70	380.11	378.90	384.82	106.77	-1.50	-2.08	-1.06	0.34	2.85	12.05	6.17	28.43	31.88	20.23	26.27	132.39	143.81	510.69	384.82	-2.08	161.75	163.65	100.0%	2
3	141.47	106.20	363.29	**534.29**	275.53	167.76	150.10	142.60	29.29	1.36	9.34	6.05	4.33	4.28	QAS	SPN	SPN	2.56	-0.53	7.31	1.43	4.47	8.18	4.26	534.29	363.29	-0.53	93.50	140.28	87.5%	3
4	-1.01	-2.17	-3.07	**106.75**	4.07	9.02	69.57	80.92	4.76	-4.07	-3.77	-2.83	-1.52	-3.27	20.32	10.43	4.07	6.80	13.31	19.09	3.24	0.90	0.51	-3.80	106.75	80.92	-4.07	13.68	28.60	100.0%	4
5	0.14	-1.71	-2.35	-2.76	-1.01	3.48	0.10	17.51	0.80	2.28	152.38	**201.58**	58.59	58.95	141.03	80.24	16.64	5.11	1.50	2.15	-2.34	1.16	-0.75	-2.86	201.58	152.38	-2.86	30.41	56.11	100.0%	5
6	-0.77	186.97	264.79	49.18	110.21	550.57	**757.98**	580.14	268.51	164.62	176.38	174.43	330.51	451.51	337.17	277.51	254.87	282.66	310.36	288.30	456.35	403.89	335.59	530.81	757.98	580.14	-0.77	314.27	172.97	100.0%	6
7	428.56	261.76	225.31	202.38	269.75	375.48	324.93	305.99	251.51	130.48	130.53	113.19	166.77	161.90	192.84	177.39	160.19	178.06	220.11	207.62	445.83	481.78	**590.35**	428.07	590.35	481.78	113.19	267.95	125.52	100.0%	7
8	712.36	530.06	585.82	578.74	584.93	990.97	**1357.76**	801.92	773.00	309.27	74.27	49.59	CAL	QAS	QAS	25.84	30.77	13.43	42.45	32.10	32.85	22.14	48.02	17.52	1357.76	990.97	13.43	362.56	391.99	87.5%	8
9	11.57	14.95	44.03	5.66	30.12	-1.98	13.26	9.75	12.80	16.55	12.05	4.57	7.11	15.41	58.15	**59.10**	42.24	56.27	-2.52	4.72	10.45	56.78	-1.35	-2.30	59.10	58.15	-2.52	19.89	20.51	100.0%	9
10	-5.64	-3.50	-2.22	-4.50	-3.89	-6.61	-4.76	-2.34	-3.75	-3.28	1.47	-3.73	2.98	7.60	QAS	SPN	SPN	5.01	3.38	7.98	**9.55**	5.78	6.09	2.68	9.55	7.98	-6.61	0.40	5.02	87.5%	10
11	137.53	12.36	10.06	403.33	246.33	305.53	246.26	257.63	201.09	157.77	185.27	210.84	259.08	355.28	396.34	234.77	145.77	178.45	242.53	285.45	402.60	**1036.69**	826.37	612.70	1036.69	826.37	10.06	306.25	228.23	100.0%	11
12	445.71	360.10	106.83	108.57	218.68	498.76	**1216.64**	723.75	111.03	106.42	56.95	23.92	24.05	8.69	38.15	22.69	24.22	5.10	9.21	79.03	58.52	83.31	73.56	62.38	1216.64	723.75	5.10	186.09	279.71	100.0%	12
13	39.16	33.89	59.29	212.12	296.69	181.12	231.79	299.04	**942.63**	755.66	198.94	120.06	59.82	37.13	51.00	33.69	36.65	122.60	65.92	125.72	112.19	90.30	49.57	114.69	942.63	755.66	33.69	177.90	218.97	100.0%	13
14	217.21	249.70	1288.36	1236.43	**1357.93**	828.69	362.33	696.42	125.99	50.46	34.33	25.72	15.19	27.89	58.20	27.63	35.05	36.82	51.72	140.04	312.45	144.08	6.94	6.56	1357.93	1288.36	6.56	305.67	426.78	100.0%	14
15	44.24	106.32	29.08	0.34	-1.30	4.28	39.02	29.58	17.66	17.73	5.49	15.44	10.01	8.08	27.63	29.34	5.76	6.48	6.51	3.53	10.72	47.22	94.34	**116.55**	116.55	106.32	-1.30	28.09	32.43	100.0%	15
16	115.32	54.50	160.87	192.99	289.49	**323.47**	187.19	34.13	20.03	14.71	5.68	4.77	2.08	3.67	0.63	-0.72	2.03	1.30	12.80	49.37	20.30	54.76	1.38	5.27	323.47	289.49	-0.72	64.83	93.52	100.0%	16
17	1.07	33.82	3.56	69.04	**94.95**	24.53	5.85	83.53	10.45	4.72	5.62	1.30	1.11	0.60	QAS	SPN	SPN	31.08	18.07	37.38	18.87	56.17	53.39	9.55	94.95	83.53	0.60	26.89	28.18	87.5%	17
18	-0.12	-0.32	3.55	0.24	0.39	12.90	11.97	23.68	8.13	QAS	QAS	CAL	CAL	CAL	16.56	14.89	**31.82**	24.26	2.04	26.29	0.07	0.03	9.86	4.29	31.82	26.29	-0.32	10.03	10.12	79.2%	18
19	2.89	0.39	0.25	2.58	31.01	**104.65**	16.97	13.07	4.93	20.26	4.88	0.69	1.69	39.03	29.38	16.43	9.79	17.52	44.25	14.59	39.08	37.71	11.75	-4.34	104.65	44.25	-4.34	19.14	22.72	100.0%	19
20	-5.17	-2.04	-1.33	0.15	-1.64	-0.76	78.74	34.93	25.68	23.68	35.16	21.39	20.65	7.95	**89.78**	12.96	22.55	28.04	24.11	1.57	-0.66	-1.57	-2.19	7.68	89.78	78.74	-5.17	17.49	23.89	100.0%	20
21	**92.38**	7.01	1.23	1.00	4.59	3.39	37.92	34.03	16.27	6.20	5.92	3.58	7.58	2.42	QAS	QAS	CAL	CAL	59.33	55.52	44.77	51.00	29.40	5.12	92.38	59.33	1.00	23.43	25.24	83.3%	21
22	1.31	5.46	2.23	0.82	34.03	140.65	**182.92**	89.77	52.20	26.56	11.83	8.73	7.29	6.18	17.77	16.24	4.89	36.43	137.35	104.42	108.66	63.94	75.26	35.73	182.92	140.65	0.82	48.78	51.51	100.0%	22
23	320.58	203.11	**780.00**	709.54	408.73	495.16	356.11	433.07	500.45	627.11	357.64	142.27	102.96	50.26	71.57	69.29	34.76	17.99	140.04	263.10	278.41	297.39	134.18	271.19	780.00	709.54	17.99	294.37	210.71	100.0%	23
24	**622.48**	425.50	347.92	303.72	233.07	207.73	272.96	219.81	97.14	34.88	2.52	9.64	13.87	2.66	QAS	SPN	SPN	29.93	40.24	108.94	96.98	127.10	113.06	85.31	622.48	425.50	2.52	161.69	157.97	87.5%	24
25	13.82	7.76	50.65	34.98	83.09	114.50	99.22	85.95	70.00	53.69	144.28	132.74	51.09	19.73	13.31	6.32	6.50	268.38	**339.47**	166.65	54.68	23.24	3.06	1.14	339.47	268.38	1.14	76.84	83.57	100.0%	25
26	0.78	-0.20	9.41	30.03	170.34	226.79	246.75	307.50	146.75	122.44	119.98	107.39	123.15	91.86	105.50	107.51	115.90	89.80	88.27	264.98	244.02	**327.76**	277.59	181.99	327.76	307.50	-0.20	146.09	93.55	100.0%	26
27	140.84	46.42	113.14	255.09	325.89	329.84	**623.23**	201.75	64.56	78.56	43.92	43.75	31.44	38.37	49.22	29.74	25.09	20.31	35.29	41.61	33.28	4.75	23.29	11.17	623.23	329.84	4.75	108.77	142.27	100.0%	27
28	10.08	1.48	1.43	3.40	5.60	5.86	24.75	24.11	**29.35**	19.51	3.13	6.86	12.70	23.65	15.71	13.19	22.22	16.24	12.24	15.85	3.17	23.08	1.87	1.24	29.35	24.75	1.24	12.36	8.79	100.0%	28
29	-0.48	-1.80	-0.29	-0.32	1.84	1.41	3.51	5.97	-1.23	2.74	8.85	10.79	16.58	**115.12**	77.19	12.02	24.23	63.89	36.21	84.95	19.07	83.21	23.07	41.44	115.12	84.95	-1.80	26.17	33.04	100.0%	29
30	10.78	15.97	28.99	334.89	218.57	136.46	95.81	55.58	101.92	102.35	72.71	107.69	106.88	96.19	121.67	140.18	133.88	117.75	70.50	261.15	392.64	444.04	609.27	**651.03**	651.03	609.27	10.78	184.45	173.17	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						

Maximum values for each day are **highlighted** within the table.

Total Non-Me | janic Compounds is measured in parts per billion - Carbon

CAMS 634 Total Non-Methane Organic Compounds Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
1357.93 ppb-C	1357.76 ppb-C	-6.61 ppb-C	125.69 ppb-C	195.42	96.7%
April 14 4:00 am	April 8 6:00 am	April 10 5:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 1, 2005

Texas Natural Resource Conservation Commission

CAMS 634 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	657.31	580.65	421.05	571.87	688.09	429.80	223.29	**919.68**	840.23	316.80	312.34	272.79	116.38	6.69	QAS	SPN	SPN	7.27	1.46	0.07	-1.02	-2.28	0.48	0.55	919.68	840.23	-2.28	303.02	300.09	87.5%	1
2	-1.67	0.29	-3.86	-3.76	-3.95	11.20	5.36	20.11	**36.28**	20.85	2.67	7.70	6.95	3.58	7.88	5.36	5.97	10.15	6.04	3.30	5.52	1.94	3.35	1.99	36.28	20.85	-3.95	6.39	8.74	100.0%	2
3	3.90	13.41	9.53	6.11	2.71	5.28	88.15	312.32	**538.55**	110.42	12.63	7.73	7.88	9.84	10.35	6.72	8.00	7.83	20.31	3.42	7.70	4.29	2.67	2.52	538.55	312.32	2.52	50.10	120.56	100.0%	3
4	16.22	**40.43**	2.30	4.07	23.61	2.72	5.77	7.54	3.18	4.87	5.04	4.36	4.82	4.12	9.46	8.80	10.10	6.40	2.35	4.22	2.91	4.00	2.40	3.20	40.43	23.61	2.30	7.62	8.35	100.0%	4
5	2.91	3.35	6.08	2.11	2.33	4.32	3.18	14.68	3.90	2.52	-1.36	-4.89	-8.39	-5.09	-4.46	-1.62	-8.12	-6.62	-8.29	-6.26	-7.90	-6.64	-0.46	**38.98**	38.98	14.68	-8.39	0.59	9.82	100.0%	5
6	48.53	11.54	-6.88	0.29	1.33	17.65	**95.10**	60.23	-6.25	-2.40	-7.08	-6.91	-5.62	-8.24	2.37	-5.84	-5.41	-4.24	0.65	-3.54	5.40	-3.47	-5.99	-8.43	95.10	60.23	-8.43	6.78	24.92	100.0%	6
7	-7.85	-8.17	-7.92	-8.24	-8.48	-4.02	-4.24	-7.47	-7.61	-4.41	-8.10	-7.90	-7.92	-5.77	**0.70**	-4.44	-5.28	-6.64	-7.49	-7.18	-7.29	-7.07	-7.15	-6.89	0.70	-4.02	-8.48	-6.53	2.03	100.0%	7
8	-7.47	-7.52	-7.78	-7.41	-6.86	-6.61	-7.24	-3.51	-7.52	-7.46	-7.59	-4.78	-5.00	-3.63				-2.15	**134.79**	37.73	0.68	-1.87	9.70	3.15	134.79	37.73	-7.78	4.36	30.80	87.5%	8
9	39.49	-3.40	-3.40	20.17	-1.09	-1.43	0.77	0.20	14.96	25.82	3.92	14.79	3.85	-0.71	10.20	3.52	4.72	-2.86	1.07	2.26	-3.01	2.88	**57.86**	6.45	57.86	39.49	-3.40	8.21	14.54	100.0%	9
10	-1.23	-3.06	-3.17	-0.34	-3.42	-3.44	6.72	5.60	2.52	0.61	0.26	4.44	12.63	2.86	13.69	9.48	3.12	-0.58	-1.63	-2.23	-2.35	43.73	**47.60**	9.72	47.60	43.73	-3.44	5.90	13.00	100.0%	10
11	-1.00	9.93	-0.68	-2.21	4.38	53.06	**72.69**	32.43	29.83	-2.52	-2.26	-1.98	1.19	QAS	26.30	23.59	13.18	13.62	16.21	9.19	8.07	8.51	7.92	7.24	72.69	53.06	-2.52	14.20	18.36	95.8%	11
12	6.69	9.11	6.76	6.23	5.74	7.88	10.96	7.80	7.34	8.72	6.84	9.38	7.13	8.49	**31.12**	-3.45	0.55	-4.70	-4.70	-3.30	-4.70	-3.69	-4.70	-4.70	31.12	10.96	-4.70	4.45	7.95	100.0%	12
13	-4.70	-4.70	-4.70	-4.70	-2.98	-4.70	**53.66**	-0.82	-2.47	-1.21	-3.40	-1.87	-4.70	-3.18	0.31	-4.70	-0.05	-4.70	0.14	-2.13	-4.04	-2.25	-0.34	-4.70	53.66	0.31	-4.70	-0.54	11.44	100.0%	13
14	-3.10	-4.70	-4.70	**172.28**	13.65	18.73	8.94	-4.29	-2.84	-4.70	-4.70	3.66	5.80	-4.60	-4.70	-4.70	-2.55	-4.15	-3.76	1.16	3.80	3.54	22.57	53.83	172.28	53.83	-4.70	10.60	36.12	100.0%	14
15	43.72	102.93	213.68	190.74	**746.99**	381.93	503.06	207.66	203.13	248.75	112.22	27.32	5.33	-3.10	QAS	SPN	SPN	6.01	20.55	6.08	6.01	22.90	58.27	62.34	746.99	503.06	-3.10	150.79	187.97	87.5%	15
16	138.64	554.49	304.17	281.54	424.51	500.16	382.32	**762.48**	294.89	255.80	108.36	17.13	40.55	104.82	136.69	109.84	15.80	441.55	491.63	423.30	249.83	33.72	11.30	6.93	762.48	554.49	6.93	253.77	203.97	100.0%	16
17	9.86	102.06	76.06	33.96	51.48	86.48	**177.61**	50.00	6.33	2.16	0.00	0.10	0.53	0.05	0.87	0.02	0.00	0.46	0.36	-0.29	-0.82	-0.82	-0.82	-0.82	177.61	102.06	-0.82	24.78	44.22	100.0%	17
18	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	-0.68	-0.75	-0.80	-0.61	-0.61	-0.61	-0.07	-0.61	-0.61	-0.31	**0.83**	-0.17	-0.15	-0.58	-0.61	-0.48	0.83	-0.07	-0.82	-0.56	0.37	100.0%	18
19	-0.61	-0.56	-0.61	-0.61	-0.61	-0.61	0.14	0.09	-0.61	-0.61	-0.61	-0.44	-0.29	0.89	QAS	QAS	**25.94**	CAL	CAL	-0.38	-0.41	-0.05	0.58	-0.41	25.94	0.89	-0.61	1.01	5.73	83.3%	19
20	-0.41	-0.41	-0.41	-0.41	-0.41	0.09	1.80	-0.02	0.26	0.14	0.02	0.20	**2.94**	0.15	0.65	0.05	0.17	0.20	0.07	1.23	0.03	0.49	0.82	1.58	2.94	1.80	-0.41	0.37	0.79	100.0%	20
21	2.66	2.89	4.70	QAS	QAS	CAL	CAL	CAL	58.39	21.16	0.00	**132.86**	67.70	QAS	QAS	QAS	CAL	CAL	CAL	38.56	-10.06	-10.06	-6.71	0.00	132.86	67.70	-10.06	23.24	40.04	54.2%	21
22	0.00	0.00	-1.68	-9.22	4.19	107.29	116.51	**126.57**	6.71	0.00	4.19	0.00	0.00	0.00	QAS	SPN	SPN	0.00	20.95	10.06	5.03	2.52	0.00	0.00	126.57	116.51	-9.22	18.72	40.52	87.5%	22
23	0.00	0.84	0.00	5.03	10.06	10.06	3.35	0.00	1.68	10.06	10.06	10.06	5.87	10.06	10.06	11.73	0.00	0.00	**17.60**	0.00	0.00	0.00	0.00	0.00	17.60	11.73	0.00	4.85	5.26	100.0%	23
24	1.68	0.84	0.00	0.00	0.00	6.71	20.95	3.35	0.00	8.38	0.00	0.00	0.00	0.00	**23.47**	0.00	4.19	0.00	5.87	4.19	0.00	0.00	0.00	0.00	23.47	20.95	0.00	3.32	6.21	100.0%	24
25	0.00	0.00	5.03	0.00	10.06	3.35	**72.92**	15.93	0.00	0.00	0.00	7.54	10.06	6.71	5.03	3.35	-0.84	0.00	0.00	3.35	0.00	0.00	0.00	3.35	72.92	15.93	-0.84	6.08	14.56	100.0%	25
26	-0.84	-5.03	0.00	82.14	62.03	56.16	**697.37**	93.88	15.09	-3.35	-25.98	-40.23	-40.23	-27.66	41.07	-40.23	-40.23	159.25	176.02	-40.23	-28.50	12.57	4.19	-0.84	697.37	176.02	-40.23	46.10	148.14	100.0%	26
27	238.04	771.13	**1385.52**	857.47	429.15	476.09	673.06	305.94	155.06	30.18	-37.72	-17.60	-37.72	-40.23	-40.23	-40.23	-40.23	-40.23	-40.23	-20.95	-17.60	-37.72	-40.23	-40.23	1385.52	857.47	-40.23	201.27	372.75	100.0%	27
28	-40.23	-40.23	-31.01	-37.72	-40.23	-16.76	**268.22**	-27.66	-34.37	-36.88	-40.23	-37.72	-40.23	-40.23	-36.88	-40.23	-40.23	-40.23	-40.23	-37.72	-37.72	-36.88	-34.37	-36.88	268.22	-16.76	-40.23	-24.03	61.16	100.0%	28

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
29	-40.23	,	158.42	84.66	-19.28	-40.23	-30.18	-37.72	-35.20	-40.23	-40.23	-40.23	-40.23	-40.23	Q	PN	SPN	3.35	3.35	3.35	31.85	**288.34**	61.19	67.89	288.34	158.42	-40.23	18.96	,	87.5%	29
30	28.50	57.00	93.88	322.70	**453.46**	211.22	151.71	301.75	238.88	198.65	177.70	91.36	58.67	90.52	27.66	20.95	16.76	59.51	65.38	71.25	124.05	41.07	11.73	3.35	453.46	322.70	3.35	121.57	112.97	100.0%	30
31	3.35	16.76	186.08	210.38	140.81	155.06	201.16	**226.31**	207.03	60.35	12.57	10.06	65.38	35.20	68.73	63.70	8.38	0.84	3.35	31.85	8.38	12.57	9.22	3.35	226.31	210.38	0.84	72.54	79.30	100.0%	31

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 634 Total Non-Methane Organic Compounds Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
1385.52 ppb-C	919.68 ppb-C	-40.23 ppb-C	42.57 ppb-C	135.16	95.8%
May 27 2:00 am	May 1 7:00 am	May 26 11:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

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Last Modified: June 8, 2005

Sulfur Dioxide and Hydrogen Sulfide data is not available at this Site.

Texas Natural Resource Conservation Commission

Oak Park [32] Daily Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: April 14 2005

Select a Site: Oak Park [32]

Measured in: (•) ppb-Volume ( ) ppb-Carbon

Report Format: (•) Tabular (webified) ( ) Comma-delimited

Generate Report

The table below contains hourly averages for **Thursday, April 14, 2005**. All times shown are in Local Standard Time regardless of Daylight Savings Time Observance.

Parameter	Morning												Afternoon											Parameter
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	11:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Ethane	12.54	10.26	ST	BL	36.62	**40.11**	10.51	24.42	5.37	3.88	3.64	3.62	3.71	4.01	4.15	4.12	4.34	4.31	4.74	12.74	34.04	10.29	4.36	4.57	**Ethane**
Ethylene	0.17	0.17	ST	BL	**2.64**	0.91	1.62	1.54	1.90	0.91	0.63	0.42	0.42	0.48	0.56	0.38	0.49	0.39	0.42	0.56	0.73	0.43	0.22	0.27	**Ethylene**
Propane	10.20	7.02	ST	BL	41.36	**57.33**	13.34	44.42	3.47	2.32	1.97	1.84	1.84	2.00	2.05	1.91	2.06	2.05	2.46	7.48	20.28	6.73	2.08	2.20	**Propane**
Propylene	0.14	0.39	ST	BL	**6.48**	0.76	0.51	0.75	0.68	0.24	0.19	0.14	0.15	0.16	0.19	0.15	0.18	0.19	0.21	0.26	0.35	0.25	0.12	0.11	**Propylene**
Isobutane	3.98	3.01	ST	BL	**21.66**	14.57	3.59	11.40	1.35	0.59	0.50	0.47	0.44	0.47	0.53	0.42	0.46	0.56	0.64	2.37	6.78	2.33	0.45	0.51	**Isobutane**
n-Butane	4.92	4.54	ST	BL	**46.35**	26.71	7.81	22.21	1.85	1.07	0.82	0.71	0.76	0.81	0.88	0.70	0.94	1.54	1.06	2.31	5.52	2.24	0.70	0.69	**n-Butane**
Acetylene	0.19	0.28	ST	BL	0.32	0.43	**0.71**	0.56	0.47	0.37	0.36	0.33	0.30	0.37	0.37	0.32	0.34	0.29	0.36	0.39	0.39	0.34	0.24	0.24	**Acetylene**
t-2-Butene	0.02	0.02	ST	BL	**7.79**	0.19	0.12	0.14	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	**t-2-Butene**
1-Butene	0.00	0.00	ST	BL	**3.80**	0.13	0.10	0.14	0.07	0.03	0.02	0.00	0.00	0.02	0.03	0.00	0.02	0.03	0.03	0.03	0.05	0.03	0.00	0.00	**1-Butene**
c-2-Butene	0.02	0.02	ST	BL	**6.88**	0.19	0.12	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	**c-2-Butene**
Cyclopentane	0.13	0.16	ST	BL	**2.40**	0.56	0.21	0.47	0.14	0.12	0.13	0.13	0.13	0.11	0.11	0.10	0.11	0.11	0.06	0.07	0.10	0.08	0.06	0.06	**Cyclopentane**
Isopentane	2.69	3.04	ST	BL	**82.20**	12.21	4.83	10.52	1.65	0.98	0.84	0.78	0.80	0.75	0.81	0.66	0.83	1.01	0.66	1.16	2.40	1.12	0.42	0.42	**Isopentane**
n-Pentane	1.54	2.27	ST	BL	**34.61**	8.46	2.68	7.23	0.80	0.47	0.39	0.38	0.42	0.44	0.42	0.35	0.39	0.47	0.31	0.59	1.23	0.58	0.24	0.24	**n-Pentane**
1,3-Butadiene	0.01	0.00	ST	BL	**0.18**	0.04	0.06	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	**1,3-Butadiene**
t-2-Pentene	0.03	0.03	ST	BL	**8.05**	0.27	0.16	0.17	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.03	0.00	0.00	0.00	**t-2-Pentene**
1-Pentene	0.00	0.02	ST	BL	**4.29**	0.17	0.09	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00	**1-Pentene**
c-2-Pentene	0.01	0.02	ST	BL	**4.03**	0.14	0.08	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**c-2-Pentene**

2,2-Dim utane	0.13	0.13	ST	BL	1.85	0.37	0.11	0.28	0.04	0.03	0.00	0	.02	0.00	0.02	0.02	0.03	0.03	0.00	0.03	0.07	0.05	0.02	0.00	2,2-D lbutane
2-Methylpentane	AQI	AQI	ST	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2-Methylpentane
Isoprene	0.00	0.01	ST	BL	0.61	0.10	0.02	0.02	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	Isoprene
n-Hexane	0.53	0.78	ST	BL	8.69	2.22	0.67	2.05	0.24	0.12	0.10	0.09	0.09	0.09	0.10	0.06	0.07	0.10	0.08	0.14	0.30	0.15	0.05	0.05	n-Hexane
Methylcyclopentane	0.21	0.28	ST	BL	4.89	0.81	0.27	0.63	0.10	0.04	0.04	0.03	0.04	0.03	0.04	0.03	0.00	0.04	0.05	0.06	0.11	0.06	0.00	0.00	Methylcyclopentane
2,4-Dimethylpentane	0.00	0.00	ST	BL	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,4-Dimethylpentane
Benzene	0.24	0.41	ST	BL	9.42	0.84	0.39	1.07	0.33	0.14	0.12	0.12	0.12	0.13	0.16	0.12	0.13	0.11	0.12	0.16	0.20	0.14	0.09	0.10	Benzene
Cyclohexane	0.28	0.33	ST	BL	3.64	0.97	0.24	0.64	0.08	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.12	0.05	0.00	0.00	Cyclohexane
2-Methylhexane	0.09	0.12	ST	BL	2.30	0.40	0.11	0.36	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	2-Methylhexane
2,3-Dimethylpentane	0.00	0.00	ST	BL	1.06	0.19	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,3-Dimethylpentane
3-Methylhexane	0.12	0.19	ST	BL	2.48	0.41	0.17	0.39	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	3-Methylhexane
2,2,4-Trimethylpentane	0.06	0.02	ST	BL	2.28	0.38	0.17	0.41	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	2,2,4-Trimethylpentane
n-Heptane	0.16	0.27	ST	BL	3.07	0.70	0.15	0.65	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.00	0.00	0.00	n-Heptane
Methylcyclohexane	0.24	0.34	ST	BL	2.95	0.83	0.19	0.54	0.06	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.04	0.00	0.00	Methylcyclohexane
2,3,4-Trimethylpentane	0.00	0.00	ST	BL	0.60	0.08	0.05	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	2,3,4-Trimethylpentane
Toluene	0.31	0.86	ST	BL	5.52	4.03	1.06	2.86	0.29	0.15	0.14	0.11	0.12	0.13	0.15	0.07	0.07	0.07	0.11	0.15	0.18	0.15	0.05	0.04	Toluene
2-Methylheptane	0.02	0.05	ST	BL	0.62	0.10	0.03	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylheptane
3-Methylheptane	0.04	0.06	ST	BL	0.68	0.12	0.05	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	3-Methylheptane
n-Octane	0.06	0.10	ST	BL	0.82	0.26	0.06	0.26	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	n-Octane
Ethyl Benzene	0.03	0.05	ST	BL	0.53	0.19	0.06	0.16	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00	Ethyl Benzene
p–Xylene + m-Xylene	0.10	0.22	ST	BL	1.80	0.81	0.23	0.65	0.09	0.08	0.04	0.02	0.02	0.01	0.02	0.00	0.00	0.02	0.02	0.05	0.06	0.05	0.00	0.00	p-Xylene + m-Xylene
Styrene	0.00	0.00	ST	BL	0.05	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Styrene
o-Xylene	0.04	0.08	ST	BL	0.47	0.24	0.09	0.21	0.04	0.03	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.00	0.00	o-Xylene
n-Nonane	0.04	0.08	ST	BL	0.31	0.11	0.03	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	n-Nonane
Isopropyl Benzene - Cumene	0.00	0.00	ST	BL	1.38	0.03	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Isopropyl Benzene - Cumene
n-Propylbenzene	0.00	0.01	ST	BL	0.08	0.03	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Propylbenzene
1,3,5-Trimethylbenzene	0.02	0.04	ST	BL	0.18	0.06	0.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene	0.05	0.08	ST	BL	0.38	0.14	0.11	0.14	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.00	0.00	1,2,4-Trimethylbenzene
n-Decane	0.03	0.06	ST	BL	0.13	0.07	0.03	0.06	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.00	0.00	n-Decane

1,2,3-Trimethylbenzene	0.00	0.01	ST	BL	**0.17**	0.04	0.01	0.04	0.00	0.00	0.00	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,2,3-Trimethylbenzene
Parameter	**Mid**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Noon**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Parameter**

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-Carbon.

Maximum values for the day are **bold** within the table.

Compounds measured in parts per billion - Volume

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes

Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]
☑ Acetylene [P] *	☑ 3-Methylhexane [BP] *	☑ t-2-Hexene [BP]
☑ t-2-Butene [P] *	☑ 2,2,4-Trimethylpentane [BP] *	☑ 3-Methyl-1-Butene+Cyclopentene [P]
☑ 1-Butene [P] *	☑ n-Heptane [BP] *	☑ b-Pinene [BP]
☑ c-2-Butene [P] *	☑ Methylcyclohexane [BP] *	☑ 4-Methyl-1-Pentene [P]
☑ Cyclopentane [P] *	☑ 2,3,4-Trimethylpentane [BP] *	☑ 1-Hexene [P]
☑ Isopentane [P] *	☑ Toluene [BP] *	☑ Isobutene [P]
☑ n-Pentane [P] *	☑ 2-Methylheptane [BP] *	☑ 2-Methyl-1-Pentene [P]
☑ 1,3-Butadiene [P] *	☑ 3-Methylheptane [BP] *	☑ a-Pinene [BP]
☑ 2-Methyl-2-Butene [P]	☑ n-Octane [BP] *	☑ c-2-Hexene [BP]
☑ Cyclopentene [P]	☑ Ethyl Benzene [BP] *	☐ Wind Speed
☑ t-2-Pentene [P] *	☑ p-Xylene + m-Xylene [BP] *	☐ Resultant Wind Speed
☑ 3-Methyl-1-Butene [P]	☑ Styrene [BP] *	☐ Resultant Wind Direction
☑ 1-Pentene [P] *	☑ o-Xylene [BP] *	
☑ c-2-Pentene [P] *	☑ n-Nonane [BP] *	

- ☑ imethylbutane [P] *
- ☑ 2,3-Dimethylbutane [P]
- ☑ 2-Methylpentane [P]
- ☑ 3-Methylpentane [P]
- ☑ Isoprene [P] *
- ☑ n-Hexane [BP] *
- ☑ Isopropyl Benzene - Cumene [BP] *
- ☑ n-Propylbenzene [BP] *
- ☑ m-Ethyltoluene [BP]
- ☑ p-Ethyltoluene [BP]
- ☑ 1,3,5-Trimethylbenzene [BP] *
- ☑ o-ethyltoluene [BP]

* - Target Compounds effective April 1998

Generate Report

Reset to Defaults

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 10, 2005

Texas Natural Resource Conservation Commission

Oak Park [32] Daily Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: May 27 2005

Select a Site: Oak Park [32]

Measured in: ◉ ppb-Volume ○ ppb-Carbon

Report Format: ◉ Tabular (webified) ○ Comma-delimited

Generate Report

The table below contains hourly averages for **Friday, May 27, 2005**. All times shown are in Local Standard Time regardless of Daylight Savings Time Observance.

Parameter	Morning												Afternoon												Parameter
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	11:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Ethane	ST	BL	55.36	29.79	16.92	17.19	19.74	12.97	8.86	6.43	3.66	4.73	3.73	3.57	1.45	1.18	1.71	1.08	1.34	5.76	2.66	1.08	0.74	0.61	Ethane
Ethylene	ST	BL	23.53	19.11	3.54	3.30	4.09	1.33	0.76	0.71	0.39	0.55	0.36	0.24	0.27	0.20	0.34	0.22	0.26	0.31	0.35	0.43	0.34	0.22	Ethylene
Propane	ST	BL	49.55	29.03	13.83	14.77	21.25	10.65	5.17	3.10	1.73	2.24	1.69	1.51	0.50	0.37	0.92	0.31	0.51	3.49	1.27	0.38	0.24	0.22	Propane
Propylene	ST	BL	16.17	12.66	3.90	4.29	6.09	1.05	0.27	0.26	0.12	0.14	0.13	0.10	0.12	0.10	0.14	0.11	0.15	0.16	0.19	0.19	0.15	0.12	Propylene
Isobutane	ST	BL	37.20	27.86	7.71	6.70	12.56	4.22	1.84	0.88	0.50	0.60	0.41	0.35	0.13	0.11	0.34	0.11	0.18	1.30	0.43	0.31	0.17	0.21	Isobutane
n-Butane	ST	BL	28.72	17.36	6.83	6.42	13.73	6.01	3.28	1.15	0.64	0.71	0.51	0.47	0.23	0.18	0.29	0.16	0.23	0.99	0.46	0.61	0.25	0.38	n-Butane
Acetylene	ST	BL	6.23	5.87	0.75	0.70	0.59	0.35	0.26	0.39	0.21	0.28	0.25	0.27	0.19	0.18	0.21	0.17	0.17	0.28	0.20	0.25	0.17	0.13	Acetylene
t-2-Butene	ST	BL	9.55	7.70	1.26	0.68	1.49	0.37	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.40	0.03	0.03	0.07	0.03	0.04	t-2-Butene
1-Butene	ST	BL	7.99	6.43	1.15	0.68	1.33	0.34	0.09	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.03	1-Butene
c-2-Butene	ST	BL	7.34	5.94	1.03	0.54	1.21	0.32	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.06	0.00	0.03	c-2-Butene
Cyclopentane	ST	BL	0.79	0.49	0.30	0.55	0.69	0.26	0.25	0.13	0.14	0.14	0.12	0.11	0.11	0.10	0.12	0.10	0.10	0.08	0.07	0.09	0.07	0.08	Cyclopentane
Isopentane	ST	BL	21.64	13.64	5.69	5.09	12.97	5.06	8.17	1.33	1.06	1.08	0.84	0.77	0.79	0.66	0.71	0.62	0.64	0.84	0.75	1.17	0.62	0.81	Isopentane
n-Pentane	ST	BL	8.68	4.76	2.84	2.95	6.71	2.58	4.56	0.58	0.38	0.40	0.31	0.27	0.27	0.22	0.25	0.21	0.22	0.36	0.28	0.43	0.22	0.29	n-Pentane
1,3-Butadiene	ST	BL	0.31	0.30	0.05	0.04	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	1,3-Butadiene
t-2-Pentene	ST	BL	0.63	0.41	0.16	0.08	0.48	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.02	t-2-Pentene
1-Pentene	ST	BL	0.43	0.31	0.13	0.06	0.26	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	1-Pentene

ntene	ST	BL	0.31	0.19	0.07	0.04	0.22	0.06	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	c-2-Pe
2,2-Dimethylbutane	ST	BL	0.64	0.35	0.24	0.03	0.86	0.21	0.13	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	2,2-Dimethylbutane
2-Methylpentane	ST	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2-Methylpentane
Isoprene	ST	BL	0.05	0.22	0.12	0.00	0.06	0.09	0.05	0.07	0.06	0.06	0.06	0.05	0.07	0.07	0.09	0.06	0.06	0.02	0.01	0.01	0.00	0.00	Isoprene
n-Hexane	ST	BL	3.14	1.84	1.06	1.24	2.11	0.91	0.64	0.19	0.10	0.12	0.09	0.07	0.07	0.05	0.08	0.05	0.06	0.10	0.09	0.15	0.08	0.11	n-Hexane
Methylcyclopentane	ST	BL	1.49	0.79	0.53	0.57	1.07	0.44	0.21	0.07	0.03	0.04	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.03	0.05	0.03	0.04	Methylcyclopentane
2,4-Dimethylpentane	ST	BL	0.49	0.29	0.12	0.13	0.32	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,4-Dimethylpentane
Benzene	ST	BL	8.20	6.40	1.52	3.03	2.69	0.56	0.29	0.16	0.14	0.17	0.11	0.10	0.06	0.06	0.06	0.05	0.05	0.07	0.05	0.07	0.05	0.05	Benzene
Cyclohexane	ST	BL	2.10	1.23	0.58	0.53	1.18	0.38	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Cyclohexane
2-Methylhexane	ST	BL	0.75	0.44	0.27	0.28	0.69	0.24	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	2-Methylhexane
2,3-Dimethylpentane	ST	BL	0.54	0.36	0.16	0.16	0.42	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,3-Dimethylpentane
3-Methylhexane	ST	BL	0.85	0.51	0.29	0.34	0.81	0.28	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	3-Methylhexane
2,2,4-Trimethylpentane	ST	BL	2.28	1.87	0.42	0.35	1.36	0.39	0.11	0.09	0.04	0.06	0.04	0.04	0.06	0.05	0.05	0.05	0.04	0.06	0.08	0.16	0.07	0.10	2,2,4-Trimethylpentane
n-Heptane	ST	BL	0.92	0.52	0.35	0.31	0.79	0.25	0.09	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	n-Heptane
Methylcyclohexane	ST	BL	1.01	0.48	0.41	0.34	0.73	0.31	0.12	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	Methylcyclohexane
2,3,4-Trimethylpentane	ST	BL	0.82	0.72	0.14	0.11	0.54	0.12	0.03	0.03	0.02	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02	0.03	0.05	0.03	0.03	2,3,4-Trimethylpentane
Toluene	ST	BL	3.16	2.54	1.35	1.07	2.44	0.69	0.26	0.20	0.14	0.14	0.13	0.11	0.13	0.12	0.10	0.09	0.08	0.11	0.13	0.24	0.16	0.16	Toluene
2-Methylheptane	ST	BL	0.25	0.23	0.07	0.05	0.17	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylheptane
3-Methylheptane	ST	BL	0.17	0.11	0.08	0.07	0.21	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3-Methylheptane
n-Octane	ST	BL	0.24	0.12	0.16	0.10	0.28	0.12	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Octane
Ethyl Benzene	ST	BL	0.16	0.11	0.07	0.09	0.41	0.09	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.12	0.02	0.02	0.03	0.02	0.02	Ethyl Benzene
p-Xylene + m-Xylene	ST	BL	0.62	0.44	0.30	0.37	1.67	0.41	0.10	0.10	0.07	0.07	0.06	0.05	0.07	0.06	0.08	0.06	0.09	0.08	0.09	0.13	0.10	0.10	p-Xylene + m-Xylene
Styrene	ST	BL	0.05	0.00	0.03	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Styrene
o-Xylene	ST	BL	0.22	0.17	0.09	0.12	0.52	0.15	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.11	0.03	0.04	0.06	0.04	0.04	o-Xylene
n-Nonane	ST	BL	0.11	0.06	0.10	0.07	0.26	0.14	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Nonane
Isopropyl Benzene - Cumene	ST	BL	0.89	0.50	0.12	0.12	0.39	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Isopropyl Benzene - Cumene
n-Propylbenzene	ST	BL	0.04	0.03	0.02	0.02	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	n-Propylbenzene
1,3,5-Trimethylbenzene	ST	BL	0.09	0.05	0.05	0.04	0.19	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.02	0.02	0.02	1,3,5-Trimethylbenzene

1,2,4-Trimethylbenzene	ST	BL	0.21	0.13	0.11	0.09	**0.42**	0.15	0.04	0.04	0.03	.	0.02	0.02	0.03	0.03	0.04	0.03	0.03	0.04	0.05	0.07	0.06	0.06	1,2,4-Trimethylbenzene
n-Decane	ST	BL	0.07	0.05	0.07	0.05	**0.17**	0.10	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	n-Decane
1,2,3-Trimethylbenzene	ST	BL	0.03	0.02	0.02	0.01	**0.18**	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	1,2,3-Trimethylbenzene
Parameter	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Parameter

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-Carbon.

Maximum values for the day are **bold** within the table.

Compounds measured in parts per billion - Volume

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes

Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]
☑ Acetylene [P] *	☑ 3-Methylhexane [BP] *	☑ t-2-Hexene [BP]
☑ t-2-Butene [P] *	☑ 2,2,4-Trimethylpentane [BP] *	☑ 3-Methyl-1-Butene+Cyclopentene [P]
☑ 1-Butene [P] *	☑ n-Heptane [BP] *	☑ b-Pinene [BP]
☑ c-2-Butene [P] *	☑ Methylcyclohexane [BP] *	☑ 4-Methyl-1-Pentene [P]
☑ Cyclopentane [P] *	☑ 2,3,4-Trimethylpentane [BP] *	☑ 1-Hexene [P]
☑ Isopentane [P] *	☑ Toluene [BP] *	☑ Isobutene [P]
☑ n-Pentane [P] *	☑ 2-Methylheptane [BP] *	☑ 2-Methyl-1-Pentene [P]
☑ 1,3-Butadiene [P] *	☑ 3-Methylheptane [BP] *	☑ a-Pinene [BP]
☑ 2-Methyl-2-Butene [P]	☑ n-Octane [BP] *	☑ c-2-Hexene [BP]
☑ Cyclopentene [P]	☑ Ethyl Benzene [BP] *	☐ Wind Speed

☑ entene [P] *	☑ p-Xylene + m-Xylene [BP] *	☐ Resultant W peed
☑ 3-Methyl-1-Butene [P]	☑ Styrene [BP] *	☐ Resultant Wind Direction
☑ 1-Pentene [P] *	☑ o-Xylene [BP] *	
☑ c-2-Pentene [P] *	☑ n-Nonane [BP] *	
☑ 2,2-Dimethylbutane [P] *	☑ Isopropyl Benzene - Cumene [BP] *	
☑ 2,3-Dimethylbutane [P]	☑ n-Propylbenzene [BP] *	
☑ 2-Methylpentane [P]	☑ m-Ethyltoluene [BP]	
☑ 3-Methylpentane [P]	☑ p-Ethyltoluene [BP]	
☑ Isoprene [P] *	☑ 1,3,5-Trimethylbenzene [BP] *	
☑ n-Hexane [BP] *	☑ o-ethyltoluene [BP]	

* - Target Compounds effective April 1998

Generate Report

Reset to Defaults

Last Modified: June 10, 2005

CAMS 635

Dona Park

Site 1.d

June 15, 2005

Texas Natural Resource Conservation Commission

CAMS 635 Monthly Total Non-Methane Organic Compounds Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	54.25	48.95	3.24	8.80	4.62	-0.15	3.13	1.79	2.48	-0.96	11.63	9.68	1.55	0.41	0.36	2.60	5.08	-0.50	-0.88	-1.38	0.29	3.88	14.79	2.17	54.25	48.95	-1.38	7.33	13.97	100.0%	1
2	6.04	29.50	91.28	152.56	157.92	170.67	150.03	154.39	161.97	138.20	25.63	13.09	23.36	26.44	62.23	133.51	298.14	187.04	384.75	134.41	206.42	162.05	171.48	116.57	384.75	298.14	6.04	131.57	88.60	100.0%	2
3	114.97	269.60	524.47	489.59	382.53	244.02	177.21	155.27	22.01	-0.55	38.98	110.80	24.49	128.12	QAS	SPN	SPN	66.22	24.97	88.46	66.95	8.20	14.83	6.51	524.47	489.59	-0.55	140.84	153.44	87.5%	3
4	0.62	0.14	85.70	-0.38	29.26	22.89	65.90	105.34	3.91	2.81	4.98	12.83	15.36	1.24	0.36	92.37	54.17	36.84	28.66	2.10	4.22	-0.83	8.06	-0.81	105.34	92.37	-0.83	23.99	31.97	100.0%	4
5	-0.81	-0.74	0.64	1.15	-0.76	-0.34	-0.36	5.62	11.90	14.29	56.05	26.33	7.17	19.32	15.40	31.11	72.27	1.72	2.58	-0.81	-0.50	-0.47	1.86	4.84	72.27	56.05	-0.81	11.14	18.40	100.0%	5
6	59.90	61.95	130.12	295.11	200.94	636.92	371.33	360.11	72.11	77.09	14.54	41.01	77.33	89.15	83.77	85.00	105.11	115.19	270.92	330.10	723.07	270.63	247.10	177.04	723.07	636.92	14.54	203.98	178.28	100.0%	6
7	232.36	111.83	82.26	62.95	89.54	253.75	72.68	114.93	47.26	1.91	6.17	17.43	24.99	34.07	19.36	31.09	6.04	13.38	11.04	22.22	315.00	96.62	161.74	201.34	315.00	253.75	1.91	84.58	86.17	100.0%	7
8	279.59	254.84	248.76	184.50	178.76	243.68	245.76	232.98	330.81	511.43	205.84	127.92	215.14	293.43	190.13	103.86	98.12	208.40	338.47	122.29	79.66	46.40	258.13	250.03	511.43	338.47	46.40	218.70	97.12	100.0%	8
9	22.77	19.22	84.88	12.01	4.84	6.65	33.12	56.41	60.78	33.00	45.38	15.66	40.18	96.06	212.29	322.35	198.36	179.14	72.08	97.38	301.84	256.42	30.71	-0.76	322.35	301.84	-0.76	91.70	96.09	100.0%	9
10	0.15	0.28	4.05	8.49	-0.62	-0.62	-0.62	-0.34	-0.28	-0.62	2.19	2.05	29.71	306.47	QAS	SPN	SPN	118.32	271.61	284.84	249.94	231.31	200.00	214.43	306.47	284.84	-0.62	91.46	117.53	87.5%	10
11	137.67	97.72	72.37	304.71	184.32	117.33	66.52	58.92	47.83	64.42	12.09	11.66	15.78	30.16	118.81	6.32	4.93	1.79	6.04	30.61	93.71	193.16	266.86	262.31	304.71	266.86	1.79	91.92	88.65	100.0%	11
12	196.07	251.17	319.82	452.10	594.48	220.54	238.87	843.51	431.53	385.80	312.62	425.88	277.66	314.15	307.95	212.45	156.84	97.14	129.90	336.41	68.72	3.17	87.25	10.08	843.51	594.48	3.17	278.09	185.89	100.0%	12
13	298.27	176.85	117.26	389.95	92.49	185.98	223.96	108.11	278.17	294.40	269.56	QAS	QAS	QAS	QAS	QAS	QAS	QAS	129.57	-0.21	-0.15	0.07	-0.21	6.73	82.66	389.95	298.27	-0.21	147.41	120.25	75.0%	13
14	238.94	40.30	395.69	254.59	172.49	180.33	326.57	264.95	286.92	133.19	262.52	329.31	526.48	409.64	287.04	139.89	167.10	492.35	246.60	423.54	455.14	262.90	187.63	296.40	526.48	492.35	40.30	282.52	118.64	100.0%	14
15	476.93	491.57	245.36	209.18	286.48	151.03	155.20	212.12	109.18	211.49	169.94	271.94	217.84	216.41	166.29	177.73	178.26	149.19	58.84	85.43	128.93	242.28	270.20	449.43	491.57	476.93	58.84	222.14	110.09	100.0%	15
16	418.75	342.12	585.58	606.88	425.80	133.60	230.10	150.12	148.28	93.37	85.62	92.01	59.97	84.02	75.85	144.25	97.52	156.65	113.71	333.87	246.26	430.10	151.01	72.70	606.88	585.58	59.97	219.92	162.45	100.0%	16
17	74.01	405.14	99.29	361.62	449.12	237.01	244.47	395.38	190.28	241.42	199.98	150.62	193.76	QAS	QAS	CAL	CAL	CAL	250.03	474.22	145.38	64.55	240.55	1.12	474.22	449.12	1.12	232.52	130.23	79.2%	17
18	0.05	-0.07	0.07	0.25	10.64	103.26	21.53	30.14	1.09	22.19	55.90	45.76	50.55	51.10	33.10	123.81	136.66	62.03	13.46	9.96	-0.23	-0.02	-0.18	-0.11	136.66	123.81	-0.23	32.12	39.52	100.0%	18
19	0.46	0.27	0.28	0.80	2.16	255.50	7.06	6.74	0.29	QAS	QAS	QAS	QAS	QAS	QAS	QAS	QAS	143.24	290.09	172.12	192.67	266.25	141.71	-0.21	290.09	266.25	-0.21	92.46	109.25	66.7%	19
20	2.57	-0.21	-0.21	-0.21	3.64	-0.21	39.66	29.66	13.23	7.31	54.72	157.43	120.98	227.32	248.59	209.46	337.45	224.45	197.66	149.59	34.42	25.17	8.97	271.30	337.45	271.30	-0.21	98.45	106.27	100.0%	20
21	425.45	17.77	5.08	-0.21	-0.20	6.77	16.15	1.98	0.02	0.23	-0.09	7.70	36.92	79.07	QAS	QAS	CAL	CAL	268.05	297.45	206.51	259.11	347.93	55.32	425.45	347.93	-0.21	101.55	137.35	83.3%	21
22	0.00	0.00	0.00	0.00	186.68	92.76	82.34	4.07	9.89	0.00	78.00	89.24	80.41	111.19	131.67	63.04	27.25	64.23	0.00	0.23	0.10	0.00	0.00	0.00	186.68	131.67	0.00	42.54	52.42	100.0%	22
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.00	0.04	0.02	0.00	0.00	0.00	19.14	19.14	0.13	0.00	0.81	3.82	100.0%	23
24	0.13	0.13	2.43	106.18	60.10	96.16	72.81	109.43	0.23	16.56	71.69	203.32	199.00	70.12	QAS	SPN	SPN	157.63	147.33	285.04	436.63	373.13	182.57	169.40	436.63	373.13	0.13	131.43	117.44	87.5%	24
25	45.80	118.05	120.66	169.15	168.38	71.86	27.71	163.22	127.92	210.62	265.35	171.42	0.08	-0.04	0.06	-0.23	-0.21	116.54	-0.17	0.00	18.05	98.17	6.37	-0.23	265.35	210.62	-0.23	79.10	80.12	100.0%	25
26	-0.19	-0.12	10.75	327.53	110.20	-0.23	-0.23	1.09	1.76	7.00	-0.15	-0.21	-0.23	-0.13	-0.21	-0.23	-0.12	-0.21	-0.17	93.87	-0.23	-0.12	4.91	-0.10	327.53	110.20	-0.23	23.09	69.41	100.0%	26
27	-0.12	-0.15	-0.13	317.14	450.71	340.38	580.41	192.44	230.85	41.07	20.40	59.49	6.83	11.13	-0.10	41.13	-0.15	-0.23	-0.23	39.73	2.12	1.24	1.59	0.04	580.41	450.71	-0.23	97.32	161.83	100.0%	27
28	-0.13	-0.23	0.00	0.04	0.00	-0.04	-0.10	-0.12	-0.23	-0.23	-0.15	-0.17	-0.10	-0.13	-0.12	-0.23	-0.23	-0.15	-0.17	-0.04	-0.04	0.00	0.00	0.00	0.04	0.00	-0.23	-0.11	0.09	100.0%	28
29	-0.10	-0.19	-0.06	-0.08	-0.08	-0.15	-0.23	-0.21	-0.21	-0.12	-0.12	0.13	0.08	2.49	80.16	175.93	100.79	3.73	33.94	79.97	137.86	173.89	46.52	255.92	255.92	175.93	-0.23	45.41	71.45	100.0%	29
30	242.72	385.62	278.35	13.92	0.21	0.57	0.61	0.69	0.04	-0.04	-0.04	-0.10	-0.17	-0.23	-0.13	-0.17	-0.21	-0.21	-0.19	0.17	0.04	0.02	0.04	0.13	385.62	278.35	-0.23	38.40	102.04	100.0%	30
Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day

		Morning		Afternoon	Statistics		
Maximum values for each day are **highlighted** within the table.							
Total Non-Methane Organic Compounds is measured in parts per billion - Carbon							

CAMS 635 Total Non-Methane Organic Compounds Monthly Statistics for April 2005					
Max	SB	Min	Avg	STD	Cap
843.51 ppb-C	723.07 ppb-C	-1.38 ppb-C	107.58 ppb-C	135.16	95.6%
April 12 7:00 am	April 6 8:00 pm	April 1 7:00 pm	-----	-----	-----

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Texas Natural Resource Conservation Commission

CAMS 635 Monthly Total Non-Methane Organic Compounds Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Total Non-Methane Organic Compounds in parts per billion - Carb

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	5.11	0.00	34.05	-0.04	0.06	2.33	2.96	0.77	10.82	0.04	6.62	0.00	0.08	**121.92**	QAS	SPN	SPN	18.78	28.49	5.89	-0.00	14.82	53.81	8.80	121.92	53.81	-0.04	15.01	27.50	87.5%	1
2	62.72	61.82	61.48	90.84	232.71	**288.94**	130.04	104.96	221.63	128.61	88.15	76.82	QAS	QAS	QAS	CAL	CAL	CAL	2.89	-0.25	-0.30	-0.43	-0.43	78.03	288.94	232.71	-0.43	90.46	82.83	75.0%	2
3	**97.33**	54.64	14.71	41.13	24.21	61.47	QAS	QAS	QAS	QAS	CAL	CAL	CAL	13.59	10.71	8.22	17.93	1.10	0.27	5.02	3.81	QAS	QAS	CAL	97.33	61.47	0.27	25.30	27.39	58.3%	3
4	CAL	CAL	-0.21	19.13	-0.14	0.43	1.22	64.11	39.03	67.32	43.09	34.36	20.68	104.88	131.75	116.81	165.98	125.66	195.02	200.03	215.97	**247.27**	189.87	122.58	247.27	215.97	-0.21	95.67	78.30	91.7%	4
5	75.34	30.89	36.12	50.85	78.74	175.18	142.59	151.22	127.56	QAS	71.75	85.52	60.00	35.02	76.95	20.09	92.65	35.50	48.12	30.36	170.48	137.99	327.95	**459.76**	459.76	327.95	20.09	109.59	100.94	95.8%	5
6	204.03	61.07	90.98	175.30	0.29	1.67	103.26	219.95	169.94	106.32	89.47	129.26	77.26	64.11	45.94	87.96	137.31	254.25	280.06	**435.73**	256.22	173.02	166.66	36.87	435.73	280.06	0.29	140.29	98.40	100.0%	6
7	17.14	17.84	21.74	0.21	33.30	**227.94**	71.13	76.71	114.82	39.96	6.30	47.76	6.58	70.98	210.52	12.35	59.08	81.98	52.21	92.73	3.38	-0.82	-0.82	-0.82	227.94	210.52	-0.82	52.59	60.18	100.0%	7
8	-0.82	-0.82	-0.82	10.49	70.74	127.30	121.00	**252.20**	165.63	55.25	2.99	-0.82	-0.82	-0.82				60.23	151.52	203.86	182.58	87.08	240.15	36.99	252.20	240.15	-0.82	83.96	84.56	87.5%	8
9	116.50	45.06	191.51	150.13	0.00	0.00	7.71	0.14	0.00	0.00	0.00	-0.03	0.50	60.33	3.35	26.53	80.15	11.81	0.41	4.79	35.45	**217.38**	159.52	103.43	217.38	191.51	-0.03	50.61	67.39	100.0%	9
10	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.24	0.21	38.40	92.87	52.89	23.01	12.52	35.51	66.49	30.91	22.74	49.03	72.44	**318.97**	232.33	142.00	318.97	232.33	0.21	49.68	77.74	100.0%	10
11	183.63	159.98	25.61	0.21	262.49	439.18	**474.28**	145.42	144.85	81.56	38.93	88.97	64.52	29.45	26.55	0.21	15.08	45.35	210.52	268.50	279.49	272.11	171.44	37.90	474.28	439.18	0.21	144.43	130.98	100.0%	11
12	82.00	26.48	20.11	38.88	55.83	78.48	19.71	1.99	42.11	0.21	0.28	17.21	0.21	43.50	108.95	198.68	191.44	94.56	15.49	137.33	**340.54**	159.98	123.32	335.17	340.54	335.17	0.21	88.85	95.45	100.0%	12
13	132.75	61.02	200.15	13.31	0.21	5.55	0.93	0.33	14.34	12.64	118.91	115.54	121.70	43.19	120.76	205.87	330.99	84.13	150.71	**397.07**	204.46	342.04	140.91	29.49	397.07	342.04	0.21	118.62	112.16	100.0%	13
14	0.00	0.00	-0.05	6.34	-0.07	8.43	110.85	248.72	108.57	253.63	25.00	170.12	110.95	200.63	188.42	**306.02**	52.33	41.83	60.17	214.42	68.40	7.33	-0.21	12.85	306.02	253.63	-0.21	91.45	95.73	100.0%	14
15	152.96	**298.42**	214.35	163.01	66.36	48.72	0.96	14.84	-0.02	-0.12	115.73	10.32	50.81	289.11	QAS	SPN	SPN	99.42	88.05	4.89	-0.17	-0.21	44.49	14.30	298.42	289.11	-0.21	79.82	91.98	87.5%	15
16	2.30	-0.17	25.00	-0.15	-0.21	-0.21	5.13	1459.89	**1504.29**	QAS	QAS	QAS	SPN	0.38	67.08	0.45	1052.65	486.63	-0.40	91.49	0.70	1.52	132.66	37.40	1504.29	1459.89	-0.40	243.32	478.93	83.3%	16
17	108.75	69.21	0.27	91.81	213.30	-0.20	191.83	104.89	**1562.54**	208.90	QAS	QAS	CAL	14.60	CAL	0.80	7.29	QAS	QAS	QAS	1066.37	CAL	-0.47	-0.67	1562.54	1066.37	-0.67	227.45	426.70	66.7%	17
18	-0.67	-0.67	-0.67	-0.63	-0.65	-0.67	-0.67	-0.67	-0.67	-0.50	0.52	0.09	1.32	-0.39	-0.50	0.06	-0.28	-0.41	0.32	**6.05**	1.04	-0.24	-0.24	-0.65	6.05	1.32	-0.67	0.01	1.37	100.0%	18
19	-0.67	-0.67	-0.58	-0.67	-0.61	-0.60	-0.41	-0.45	-0.43	-0.45	-0.43	-0.63	-0.56	-0.45	QAS	QAS	CAL	CAL	-0.22	-0.06	2.72	5.03	**6.09**	-0.32	6.09	5.03	-0.67	0.28	1.91	83.3%	19
20	-0.52	-0.65	-0.48	-0.45	-0.63	-0.50	-0.48	-0.50	-0.63	-0.60	-0.54	0.93	**3.65**	1.49	1.30	1.02	-0.20	-0.52	-0.20	2.16	-0.43	-0.45	-0.52	-0.60	3.65	2.16	-0.65	0.07	1.09	100.0%	20
21	-0.65	-0.02	-0.67	QAS	QAS	CAL	CAL	CAL	-11.28	-4.70	-4.70	-0.00	-0.94	19.73	QAS	**91.47**	87.40	27.25	32.89	7.52	4.70	7.52	7.52	QAS	91.47	87.40	-11.28	15.47	29.22	70.8%	21
22	QAS	CAL	CAL	CAL	0.00	-1.58	11.89	9.51	-3.17	-8.72	-5.55	6.34	**139.46**	52.30	QAS	SPN	SPN	-0.79	7.13	-22.98	-26.15	-22.98	-19.02	-19.02	139.46	52.30	-26.15	5.69	38.00	70.8%	22
23	-20.60	-28.53	-28.53	-28.53	-27.73	-28.53	-26.15	-26.15	-19.81	-29.32	-23.77	-10.30	3.96	40.41	45.96	38.83	80.03	26.15	**91.92**	-3.17	-13.47	-19.02	-19.02	-19.81	91.92	80.03	-29.32	-1.88	35.22	100.0%	23
24	-18.23	-15.85	-18.23	-22.19	**34.07**	-11.09	-23.77	-26.15	-28.53	-27.73	-7.13	-3.96	3.17	9.51	9.51	9.51	24.57	9.51	8.72	23.77	19.02	9.51	9.51	11.09	34.07	24.57	-28.53	-0.89	18.09	100.0%	24
25	9.51	11.09	9.51	13.47	41.20	9.51	9.51	9.51	15.85	14.26	16.64	18.23	17.43	37.24	58.64	25.36	8.72	13.47	10.30	65.77	200.48	156.10	**309.83**	171.95	309.83	200.48	8.72	52.23	76.00	100.0%	25
26	6.34	7.92	56.26	299.53	339.15	95.09	332.81	282.89	43.58	171.16	47.54	126.78	144.22	24.57	14.26	122.82	**406.50**	116.48	10.30	26.15	16.64	11.09	190.18	62.60	406.50	339.15	6.34	123.12	120.82	100.0%	26
27	38.83	9.51	10.30	9.51	7.13	13.47	11.89	42.79	149.76	266.25	204.44	**286.85**	206.03	143.43	184.63	29.32	81.62	53.09	61.02	175.91	137.09	9.51	9.51	9.51	286.85	266.25	7.13	89.64	88.91	100.0%	27
28	9.51	11.09	195.72	**335.19**	14.26	17.43	53.88	22.19	8.72	11.09	13.47	11.09	17.43	13.47	13.47	33.28	89.54	91.92	34.87	109.35	55.47	101.43	9.51	9.51	335.19	195.72	8.72	53.45	74.07	100.0%	28
29	10.30	7.92	19.81	23.77	109.35	145.80	131.54	67.35	**294.77**	16.64	17.43	21.39	11.89	27.73	QAS	SPN	SPN	41.20	-15.06	0.00	-18.23	23.77	29.32	20.60	294.77	145.80	-18.23	47.02	69.93	87.5%	29

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
30	-29.32	4.	3.77	117.28	102.22	-28.53	-32.49	-30.90	-39.62	-19.02	-3.96	**154.52**	12.68	-22.98	-20.6		-22.98	-27.73	88.75	-3.96	35.66	-22.98	-26.94	-22.19	154.52	117.28	-39.62	6.64		00.0%	30
31	-14.26	379.56	271.00	**433.45**	388.28	201.27	179.88	103.01	-19.02	-13.47	-15.85	-22.98	-5.55	-21.39	-15.85	-14.26	-9.51	22.19	32.49	219.50	-13.47	-18.23	26.94	-15.06	433.45	388.28	-22.98	85.78	146.74	100.0%	31

Maximum values for each day are **highlighted** within the table.

Total Non-Methane Organic Compounds is measured in parts per billion - Carbon

CAMS 635 Total Non-Methane Organic Compounds Monthly Statistics for May 2005

Max	SH	Min	Avg	STD	Cap
1562.54 ppb-C	1504.29 ppb-C	-39.62 ppb-C	69.83 ppb-C	143.47	91.8%
May 17 8:00 am	May 16 8:00 am	May 30 8:00 am	-----	-----	-----

PLEASE NOTE! This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 8, 2005

Texas Natural Resource Conservation Commission

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CAMS 635 Monthly Sulfur Dioxide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.3	0.0	0.6	0.0	0.3	0.4	0.0	0.0	0.4	0.8	1.2	0.5	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.0	0.3	0.36	100.0%	1
2	0.0	0.0	0.0	0.0	0.9	0.4	2.8	0.9	0.5	5.3	1.0	3.2	3.0	3.0	5.6	3.9	0.9	0.6	0.3	SPN	0.3	0.1	0.1	0.0	5.6	5.3	0.0	1.4	1.73	95.8%	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.0	0.1	0.39	100.0%	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	5
6	0.0	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.2	0.3	0.8	1.7	1.0	0.0	0.0	0.0	0.0	2.2	2.1	0.9	21.2	42.5	41.4	11.1	42.5	41.4	0.0	5.4	11.94	100.0%	6
7	23.0	1.6	0.2	0.0	0.4	43.2	1.4	11.8	1.2	0.2	0.2	3.5	5.8	3.9	2.3	4.5	1.1	0.0	0.0	0.0	4.9	1.0	0.7	0.2	43.2	23.0	0.0	4.6	9.45	100.0%	7
8	0.4	0.0	0.0	0.1	0.9	0.0	0.0	2.5	3.2	13.5	4.6	0.1	0.0	0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.5	4.6	0.0	1.1	2.84	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.7	0.3	0.1	0.0	0.0	1.7	0.9	0.0	0.2	0.40	100.0%	10
11	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.2	1.5	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	1.3	0.2	1.5	1.3	0.0	0.2	0.38	100.0%	11
12	0.1	0.6	1.7	1.2	0.4	0.1	0.3	2.9	4.3	10.8	4.8	6.5	1.1	1.2	1.2	0.9	0.8	0.6	0.3	0.5	0.4	0.2	0.1	0.0	10.8	6.5	0.0	1.7	2.51	100.0%	12
13	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.7	1.2	5.4	9.1	QAS	QAS	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.2	0.0	0.2	0.0	9.1	5.4	0.0	1.0	2.33	75.0%	13
14	0.1	0.1	0.6	0.3	0.5	0.5	0.6	1.3	6.6	9.9	5.3	2.5	0.8	0.7	0.5	0.5	0.6	0.4	0.4	0.4	0.4	0.6	0.5	0.4	9.9	6.6	0.1	1.4	2.35	100.0%	14
15	0.2	0.2	0.3	0.2	0.0	0.1	0.2	0.5	0.4	0.5	0.4	1.3	3.9	6.3	4.2	9.4	8.8	5.8	0.3	0.1	0.1	0.1	0.0	0.0	9.4	8.8	0.0	1.8	2.86	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.1	0.40	95.8%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.2	0.0	CAL	0.9	0.9	0.0	0.1	0.26	95.8%	17
18	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		70.8%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0		75.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.1	0.25	100.0%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.0	1.8	0.8	0.6	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.9	0.0	0.4	0.92	100.0%	22
23	0.0	0.0	1.2	1.2	0.5	0.6	0.6	0.7	1.0	2.0	0.8	0.9	0.7	0.4	1.4	1.2	1.4	1.1	1.1	SPN	0.0	0.5	0.2	0.7	2.0	1.4	0.0	0.8	0.49	95.8%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.9		0.3	0.1	0.8	0.5	2.7	2.7	2.3	2.5	5.7	2.5	2.3	2.0	1.[illegible]	[illegible]	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.7	0.0	1.2	1.3[illegible]	[illegible].0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.05	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.4	1.6	0.1	0.0	0.1	0.2	0.8	0.5	0.9	0.2	0.6	0.3	1.6	0.9	0.0	0.3	0.39	100.0%	26
27	0.0	0.3	0.4	0.0	0.0	0.0	0.4	1.1	0.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.0	0.2	0.31	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.1	1.1	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.2	1.1	0.4	0.0	0.1	0.23	95.8%	30

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 635 Sulfur Dioxide Monthly Statistics for April 2005

Max	SH	Min	Avg	STD	Cap
43.2 ppb	42.5 ppb	0.0 ppb	0.76 ppb	3.32	96.4%
April 7 5:00 am	April 6 9:00 pm	April 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 8, 2005

Texas Natural Resource Conservation Commission

CAMS 635 Monthly Sulfur Dioxide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Sulfur Dioxide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.0	0.3	0.9	0.5	0.5	3.5	2.0	6.3	8.7	3.4	4.0	0.4	0.0	0.0	0.0	0.0	8.7	6.3	0.0	1.4	2.23	100.0%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.8	5.7	6.6	10.6	9.0	6.6	8.4	7.9	7.3	3.5	1.8	0.7	0.7	0.5	4.7	10.6	9.0	0.0	3.5	3.51	100.0%	2
3	3.9	0.4	0.1	0.0	0.0	0.9	0.8	0.1	0.3	0.9	5.1	8.2	19.7	10.0	20.0	13.2	10.0	9.2	1.2	1.4	1.1	2.7	7.7	1.7	20.0	19.7	0.0	4.9	5.93	100.0%	3
4	1.6	1.3	0.6	2.6	1.7	1.4	1.4	2.4	7.2	12.1	11.0	10.9	7.9	16.3	14.5	9.9	14.7	11.4	6.5	6.4	8.5	8.7	3.9	1.1	16.3	14.7	0.6	6.8	4.88	100.0%	4
5	0.5	0.2	0.1	0.1	0.1	0.1	0.3	1.9	3.2	QAS	4.5	5.9	2.9	1.4	0.3	0.1	1.4	0.1	0.0	0.0	0.2	0.1	0.1	0.0	5.9	4.5	0.0	1.0	1.59	95.8%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.9	1.2	0.6	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.2	0.9	0.0	0.2	0.31	100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.9	0.7	0.1	0.0	0.0	5.9	4.4	0.0	0.5	1.42	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.05	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.4	0.3	0.0	0.1	0.13	100.0%	12
13	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.7	0.6	0.3	0.4	0.14	100.0%	13
14	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.7	3.9	1.1	2.1	1.0	2.1	0.9	0.6	0.5	0.4	SPN	0.0	0.0	0.0	0.0	3.9	2.1	0.0	0.7	0.87	95.8%	14
15	0.0	0.0	0.0	0.0	0.0	0.3	1.6	1.7	2.2	1.8	1.0	0.7	1.4	1.0	0.8	1.0	0.8	0.6	0.3	0.0	0.0	0.0	0.1	0.6	2.2	1.8	0.0	0.7	0.66	100.0%	15
16	0.6	0.0	0.0	0.0	0.0	1.3	0.7	0.3	1.7	1.4	1.1	1.7	2.9	0.4	0.3	1.3	1.5	0.9	0.1	0.2	4.8	1.4	2.3	1.0	4.8	2.9	0.0	1.1	1.08	100.0%	16
17	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.1	0.21	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.0	0.0	0.0	0.0	0.0	0.0	0		91.7%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.0	0.1	0.1	0.0	0.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.1	0.18	100.0%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.0	0.8	1.0	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.0	0.0	0.3	0.71	100.0%	20
21	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.5	5.1	3.9	1.9	1.2	0.1	0.0	0.0	SPN	0.0	0.0	0.0	0.0	5.1	3.9	0.0	0.6	1.32	95.8%	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.3	1.1	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	0.0	0.2	0.27	100.0%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0%	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.11	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.5	0.2	0.1	1.1	2.6	5.9	4.8	9.8	5.5	0.6	0.2	1.2	2.1	0.9	1.0	1.1	0.1	9.8	5.9	0.0	1.6	2.41	100.0%	26
27	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.3	0.9	0.7	0.5	1.3	0.5	0.6	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.3	0.9	0.0	0.3	0.32	100.0%	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SPN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	95.8%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.8	0.0	1.6	1.6	0.0	0.2	0.46	100.0%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	1.3	2.1	0.9	0.6	0.5	1.8	0.5	0.8	3.6	0.6	0.3	0.0	0.0	0.0	3.6	2.1	0.0	0.6	0.85	100.0%	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.9	0.4	0.4	1.7	3.1	0.5	0.3	0.2	0.3	0.0	0.0	0.0	3.1	1.7	0.0	0.4	0.69	100.0%	31

Maximum values for each day are **highlighted** within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 635 Sulfur Dioxide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
20.0 ppb	19.7 ppb	0.0 ppb	0.83 ppb	2.31	99.1%
May 3 2:00 pm	May 3 Noon	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

Comments | Webmaster | Disclaimer

Last Modified: June 8, 2005

CAMS 635 Monthly Hydrogen Sulfide Summary for April 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: April 2005

Select a Parameter: Hydrogen Sulfide in parts per billion — Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.06	100.0%	2
3	0.1	0.3	0.4	0.4	0.6	0.5	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.6	0.5	0.0	0.1	0.19	87.5%	3
4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.07	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	5
6	0.0	0.0	0.0	0.5	0.0	0.5	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.7	0.5	0.0	0.1	0.21	100.0%	6
7	0.2	0.0	0.0	0.3	0.4	0.7	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.7	0.6	0.0	0.1	0.21	100.0%	7
8	0.8	1.1	0.9	0.6	0.7	0.5	0.4	0.3	0.4	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.3	0.37	100.0%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	9
10	0.0	0.1	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.2	0.0	0.5	0.2	0.0	0.1	0.12	87.5%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.05	100.0%	11
12	0.0	0.0	2.7	0.5	0.7	0.3	0.4	0.7	0.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.3	0.57	100.0%	12
13	0.0	0.2	0.6	0.0	0.2	0.1	0.1	0.1	0.0	0.1	0.3	QAS	QAS	QAS	QAS	QAS	QAS	QAS	0.0	0.0	0.1	0.1	0.3	0.0	0.0	0.6	0.3	0.0	0.1	0.14	75.0%	13
14	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.1	0.17	100.0%	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.04	100.0%	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	16
17	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.2	CAL	CAL	CAL	CAL	0.1	0.6	0.6	0.3	0.0	0.1	0.15	70.8%	17
18	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.13	100.0%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	QAS	QAS	QAS	QAS	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.04	70.8%	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	QAS	QAS	QAS	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.09	83.3%	20
21	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	CAL	CAL	0.2	0.9	0.7	0.6	0.7	0.3	0.2	0.3	0.1	0.2	0.3	0.0	0.0	0.0	0.9	0.7	0.0	0.2	0.28	83.3%	21
22	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.06	100.0%	22
23	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.1	0.3	0.5	0.5	0.5	0.5	0.0	0.1	0.15	100.0%	23

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
24	0.2		0.0	0.2	0.4	0.4	SPN	SPN	SPN	0.2	0.4	**0.8**	0.8	0.6	0..	5	0.1	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.8	0.8	0.0	0.3	0.2	.5%	24
25	0.0	0.0	0.0	0.2	0.6	0.3	**2.9**	0.7	2.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.6	0.0	0.3	0.76	100.0%	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.3**	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.0	0.0	0.06	100.0%	26
27	1.1	0.8	0.0	**1.7**	0.3	0.5	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	1.7	1.1	0.0	0.3	0.45	100.0%	27
28	0.0	0.0	0.1	0.1	**0.2**	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.06	100.0%	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	**0.3**	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.08	100.0%	29
30	0.3	**0.3**	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.3	0.3	0.0	0.0	0.09	100.0%	30

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 635 Hydrogen Sulfide Monthly Statistics for April 2005					
Max	SH	Min	Avg	STD	Cap
2.9 ppb	2.7 ppb	0.0 ppb	0.09 ppb	0.26	94.9%
April 25 6:00 am	April 12 2:00 am	April 1 Mid	-- -- --	-- -- --	-- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Last Modified: June 8, 2005

Texas Natural Resource Conservation Commission

CAMS 635 Monthly Hydrogen Sulfide Summary for May 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: May 2005

Select a Parameter: Hydrogen Sulfide in parts per billion

Generate Report

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0.0	0.0	0.0	0.1	0.2	0.0	SPN	SPN	SPN	0.1	0.2	0.2	0.1	0.1	0.3	0.4	0.3	0.2	0.3	0.2	0.1	0.2	0.0	0.0	0.4	0.3	0.0	0.1	0.11	87.5%	1
2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.3	0.2	0.5	0.8	0.9	0.5	0.6	0.6	0.5	0.3	0.7	1.8	1.9	0.4	1.9	1.8	0.0	0.5	0.49	100.0%	2
3	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.4	0.2	0.5	0.3	0.5	0.6	0.1	0.5	0.4	0.2	0.6	0.0	0.2	0.1	1.0	0.9	0.9	1.0	0.9	0.0	0.3	0.30	100.0%	3
4	1.0	0.1	0.8	0.4	0.3	0.8	0.1	0.2	0.5	0.3	0.6	0.7	0.3	0.6	0.1	0.0	0.1	0.2	0.5	0.9	0.5	0.6	0.5	0.2	1.0	0.9	0.0	0.4	0.28	100.0%	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	QAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		95.8%	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	7
8	0.0	0.0	0.0	0.0	0.0	0.0	SPN	SPN	SPN	0.2	0.8	0.5	0.2	0.0	0.1	0.1	0.0	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.1	0.24	87.5%	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.02	100.0%	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	100.0%	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.09	100.0%	13
14	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.9	0.2	1.3	0.2	0.9	0.5	2.1	1.5	2.0	0.4	0.2	0.3	0.3	0.0	0.0	0.0	0.0	2.1	2.0	0.0	0.5	0.63	100.0%	14
15	0.0	0.2	0.2	0.2	0.2	0.4	SPN	SPN	SPN	0.3	0.5	0.2	0.9	2.5	2.4	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.1	0.1	2.7	2.5	0.0	0.6	0.84	87.5%	15
16	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.0	0.0	0.0	1.0	1.9	3.0	1.2	3.0	1.9	0.0	0.4	0.73	100.0%	16
17	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	0.16	100.0%	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		100.0%	18
19	0.0	0.0	0.0	0.0	0.0	0.0	CAL	CAL	CAL	CAL	0.2	1.4	1.1	0.9	1.0	0.8	0.5	0.4	0.1	0.1	0.2	0.2	0.0	0.1	1.4	1.1	0.0	0.4	0.44	83.3%	19
20	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.6	0.5	0.2	0.0	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.2	0.6	0.5	0.0	0.1	0.17	100.0%	20
21	0.3	0.2	0.4	0.5	0.5	0.8	0.7	0.2	0.0	0.0	0.0	0.0	0.1	0.5	2.0	1.2	0.3	0.0	0.2	0.6	0.4	0.3	0.3	0.4	2.0	1.2	0.0	0.4	0.44	100.0%	21
22	0.7	0.5	0.6	0.5	0.3	0.3	SPN	SPN	SPN	0.3	1.1	0.9	1.8	1.0	1.1	0.7	0.7	0.2	0.2	0.2	0.1	0.0	0.0	0.0	1.8	1.1	0.0	0.5	0.45	87.5%	22

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
23	0.1		0.3	0.3	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0		0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.3	0.3	0.0	0.1	0.1	0%	23
24	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.1	0.4	0.4	0.0	0.1	0.11	100.0%	24
25	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.1	0.13	100.0%	25
26	0.0	0.0	0.0	0.0	2.6	1.1	0.1	1.3	0.2	0.2	0.5	0.1	0.1	0.3	0.5	0.4	0.1	0.3	1.3	1.5	3.5	1.4	1.2	0.3	3.5	2.6	0.0	0.7	0.87	100.0%	26
27	0.3	0.3	0.2	0.4	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.4	0.3	0.0	0.1	0.10	100.0%	27
28	0.2	0.4	0.3	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.1	0.0	0.0	0.1	0.4	0.4	0.0	0.1	0.12	100.0%	28
29	0.1	0.3	0.3	0.3	1.0	0.3	SPN	SPN	SPN	0.1	0.9	0.8	0.5	0.1	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.9	0.0	0.3	0.28	87.5%	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.05	100.0%	30
31	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.05	100.0%	31

Maximum values for each day are **highlighted** within the table.

Hydrogen Sulfide is measured in parts per billion

CAMS 635 Hydrogen Sulfide Monthly Statistics for May 2005					
Max	SH	Min	Avg	STD	Cap
3.5 ppb	3.0 ppb	0.0 ppb	0.19 ppb	0.40	97.3%
May 26 8:00 pm	May 16 10:00 pm	May 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index | Agency | Search | Home

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Last Modified: June 8, 2005

NOT AN AUTO GC SITE

Agenda Item - II Project Overview and Status

A.*i.* Data on Event Sampling and Trigger Levels

Canister Data

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

AIR MONITORING DATA AND INFORMATION

June 15, 2005

				sample time 14:33 -14:43			*sample time 12:24 - 12:34*		
Date	7/Jun/05	7/Jun/05	7/Jun/05	6/Jun/05	6/Jun/05	6/Jun/05	6/Jun/05	6/Jun/05	6/Jun/05
Canister	M02697	M02697	M02697	M02783	M02783	M02783	M02743	M02743	M02743
Location	Cam632P1	Cam632P1	Cam632P1	Cam632P2	Cam632P2	Cam632P2	Cam632P2	Cam632P2	Cam632P2
Target Compounds									
Name	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area
Ethane	38.3912	17.714	24348	174.075	17.715	110401	969.750	17.717	615032
Ethene	9.2152	26.57	5766	18.180	26.585	11376	26.268	26.604	16437
Propane	37.6376	31.095	23905	185.714	31.151	117953	983.188	31.068	624452
Propene	14.8954	42.406	9394	21.030	42.537	13262	13.772	42.694	8685
Me Propane	79.1057	43.896	48919	750.447	43.837	464077	495.185	43.972	306223
n-Butane	29.1322	45.217	19845	213.630	45.255	145527	506.247	45.279	344862
Ethyne	0.3465	49.294	136	0.337	49.862	132	1.532	49.697	601
t-2-Butene	2.3879	53.511	1734	5.418	53.630	3934	4.117	53.766	2989
1-Butene	0.6186	54.134	447	3.465	54.220	2502	8.521	54.299	6154
1,3-Butadiene	0.0036	61.036	11979	0.015	61.076	49899	0.000	59.576	382
c-2-Butene	0.569	55.300	358	0.569	55.300	358	0.586	55.425	368
3-Me-1-Butene	-	-	-	0.291	22.738	229	-	-	-
2-Me Butane	13.268	24.147	9560	-	-	-	299.190	24.134	215584
1-Pentene	1.535	25.324	1084	1.752	25.335	1237	1.389	25.315	981
n-Pentane	29.667	26.104	20491	60.450	26.121	41754	300.092	26.194	207277
Isoprene	-	-	-	-	-	-	-	-	-
t-2-Pentene	0.571	26.773	390	0.495	26.787	338	1.383	26.835	944
c-2-Pentene							0.221	27.450	152
2-Me-2-Butene	2.841	27.727	1898	2.965	27.740	1981	6.374	27.820	4259
2,2-Di Me Butane	1.804	28.902	1288	6.405	28.865	4572	34.390	28.932	24547
Cyclopentene				0.352	30.136	255	0.342	30.208	247
2-Me-1-Pentene				2.307	30.627	1586	1.383	30.697	951
Cyclopentane	3.070	30.959	2153	6.309	30.992	4425	27.266	31.060	19122
2,3-Di Me Butane	1.547	31.244	1099	28.719	24.144	20694	31.832	31.341	22605
2-Me Pentane	4.450	31.798	3227	23.983	31.693	17392	127.055	31.757	92138
3-Me Pentane	8.439	32.749	5985	15.565	32.792	11039	82.920	32.855	58811
2-Me1-Pentene	3.123	33.279	1022	3.993	33.312	1307	-	-	-
n-Hexane	6.890	34.175	4925	25.245	34.205	18047	137.066	34.267	97983
t-2-Hexene	-	-	-	-	-	-	0.279	34.653	186
c-2-Hexene	-	-	-	-	-	-	3.959	35.261	2810
Me Cyclopentane	4.033	36.113	2860	16.490	36.142	11693	89.715	36.206	63618
2,4-Di Me Pentane	0.707	36.536	505	5.979	31.275	4246	10.947	36.628	7816
Benzene	11.610	37.913	10196	10.425	37.941	9156	35.177	38.007	30893
Cyclohexane	4.493	38.616	3231	20.701	38.642	14885	110.139	38.707	79197
2-Me Hexane	0.820	39.507	593	2.367	39.536	1712	34.377	39.504	24864
2,3-Di Me Pentane	0.310	39.679	220	2.073	36.565	1480	11.516	39.601	8158
3-Me Hexane	0.916	40.207	654	15.617	40.064	11147	43.564	40.137	31095
2,2,4-Tri Me Pentane	7.756	41.021	5605	6.004	41.047	4339	14.242	41.104	10293
n-Heptane	5.247	41.851	3679	14.493	41.873	10164	69.348	41.938	48633
Me Cyclohexane	5.157	43.292	3695	22.603	43.313	16197	118.060	43.383	84601
2,3,4-Tri Me Pentane	0.439	45.462	303	0.444	45.481	307	1.641	45.549	1135
Toluene	16.037	45.730	11111	26.868	45.751	18616	76.809	45.821	53217
2-Me Heptane	0.770	46.583	542	2.867	46.602	2017	14.582	46.670	10259
4-Me Heptane	-	-	-	-	-	-	0.000	46.920	978
3-Me Heptane	1.445	47.107	1011	2.728	47.126	1908	12.850	47.194	8990
3-Eth Hexane				0.000	47.468	1161	0.003	47.414	32560
n-Octane	4.898	48.883	3307	12.266	48.903	8281	33.805	48.972	22822
Eth Benzene	10.328	52.234	6713	4.230	52.252	2750	9.084	52.322	5905
m-Xylene	9.772	52.825	5912	14.327	52.776	8668	31.134	52.846	18836
p-Xylene	-	-	-	-	-	-	-	-	-
4-Me Octane	0.000	53.192	189	0.000	53.171	2231	0.000	53.282	4717
3-Me Octane	0.000	53.610	242	0.000	53.621	1280	-	-	-
Styrene	8.292	53.832	4189	5.666	53.847	2863	9.552	53.915	4826
o-Xylene	8.568	54.137	5311	4.767	54.151	2955	11.152	54.219	6913
n-Nonane	3.097	55.156	2472	4.103	55.167	3275	13.136	55.230	10486
Isopropylbenzene	3.982	55.939	2298	2.249	55.950	1298	4.693	56.015	2709
a-Pinene	0.573	57.554	294	0.394	57.562	202	6.471	57.519	3319
n-Prop Benzene	11.653	57.792	5672	11.579	57.799	5635	-	-	-
b-Pinene	3.328	58.288	1721	4.298	58.166	2223	8.502	58.231	4397
1,3,5-Tri Me Benzene	0.808	59.463	411	21.118	59.345	10733	22.427	59.409	11398
1,2,4-Tri Me Benzene	38.635	60.589	6149	52.452	60.598	8348	89.511	60.661	14246
Totals	**453**		**289,038**	**1,839**		**1,214,047**	**4,947**		**3,281,663**

Non-Target Compounds

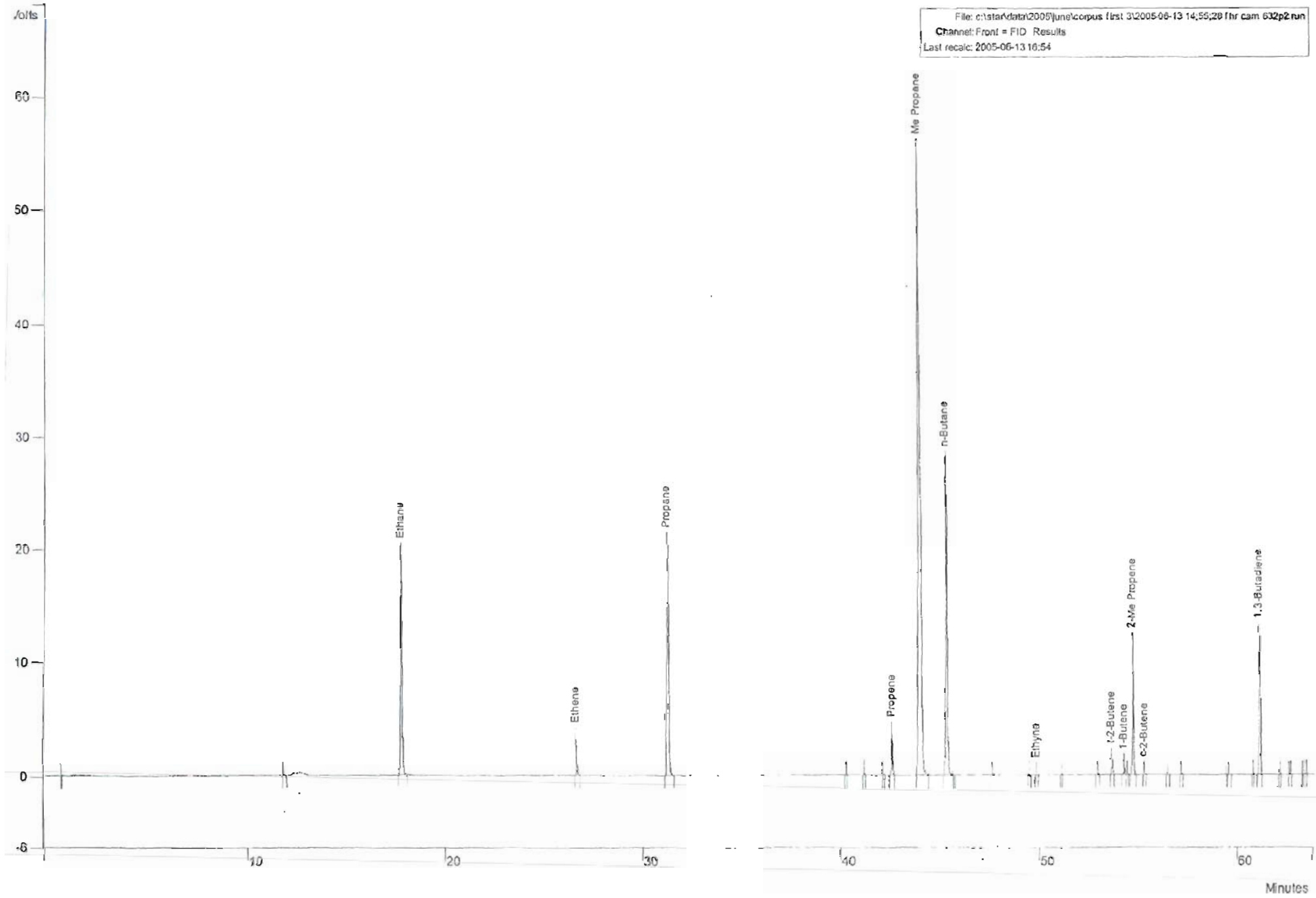
Name	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area
	22.7	24.046	14387	0.471	22.547	299	0.324	0.030	206
	71.9	24.221	45636	0.727	23.651	462	1.058	11.863	672
	2.7	24.923	1733	0.995	23.847	632	0.951	53.046	604
	0.6	25.228	355	41.695	24.060	26482	4.757	61.264	3021
	0.7	25.791	432	58.013	24.250	36846	1.430	23.711	908
	0.5	26.662	300	2.576	24.941	1636	211.051	24.296	134045
	6.6	29.499	4217	1.817	25.243	1154	0.364	24.788	231
	2.5	30.375	1615	1.141	25.492	725	16.395	24.988	10413
	6.3	31.663	3993	0.321	25.797	204	0.179	25.145	114
	31.2	31.963	19803	0.348	26.684	221	1.267	25.161	805
	0.8	32.492	531	0.252	28.591	160	2.777	25.417	1764
	1.7	33.455	1080	4.050	29.545	2572	1.675	25.526	1064
	0.3	33.663	199	1.504	30.430	955	1.814	25.880	1152
	0.2	34.382	110	16.283	32.022	10342	3.698	26.715	2349
	1.0	34.753	619	0.345	32.570	219	1.099	27.246	698
	0.2	34.943	155	0.789	33.491	501	0.268	28.437	170
	1.8	35.171	1122	1.261	34.786	801	0.368	28.666	234
	0.3	35.752	186	0.693	35.203	440	0.649	29.312	412
	2.3	36.979	1492	0.183	35.782	116	12.311	29.577	7819
	1.9	37.466	1227	0.384	36.888	244	1.779	29.877	1130
	1.4	37.763	881	1.422	37.022	903	5.553	30.469	3527
	0.8	38.161	514	1.105	37.503	702	72.480	32.035	46034
	0.5	38.397	299	0.778	37.797	494	3.965	33.375	2518
	0.2	38.769	136	0.836	38.421	531	3.998	33.539	2539
	2.1	39.415	1351	0.266	39.132	169	0.704	33.760	447
	0.2	39.829	105	7.611	39.440	4834	0.315	34.066	200
	27.3	39.99	17348	1.644	39.706	1044	2.834	34.848	1800
	1.8	40.506	1138	0.315	39.853	200	0.894	35.035	568
	0.2	40.69	119	0.480	40.238	305	0.671	35.844	426
	0.8	40.785	490	2.875	40.516	1826	3.264	36.952	2073
	0.3	40.908	218	2.141	40.717	1360	4.760	37.061	3023
	5.6	41.266	3588	4.355	40.923	2766	1.164	37.584	739
	1.4	41.693	879	3.977	41.297	2526	2.573	37.849	1634
	0.3	41.995	187	0.520	41.718	330	1.113	38.244	707
	15.3	42.584	9730	8.932	42.607	5673	5.854	38.486	3718
	0.6	43.432	401	0.721	43.478	458	0.165	38.848	105
	2.9	43.845	1849	0.537	43.525	341	8.893	39.772	5648
	0.3	44.138	215	1.647	43.867	1046	37.388	40.065	23746
	1.0	44.262	634	1.552	44.164	986	2.203	40.288	1399
	0.4	44.758	280	1.941	44.343	1233	14.548	40.581	9240
	0.5	44.893	342	0.427	44.773	271	10.958	40.783	6960
	0.3	45.013	166	0.932	45.202	592	2.173	40.899	1380
	2.1	45.172	1319	0.801	45.282	509	16.898	40.987	12003
	0.2	46.193	106	0.361	46.214	229	11.136	41.272	7073
	0.5	46.31	317	0.510	46.331	324	4.738	41.348	3009
	1.8	46.415	1132	0.918	46.440	583	2.033	41.781	1291
	1.1	46.729	713	1.445	46.716	918	0.442	42.083	281
	27.6	47.333	17506	13.887	47.355	8820	0.222	42.282	141
	0.3	47.673	207	0.973	47.699	618	8.800	42.674	5589
	0.5	47.858	329	1.968	47.885	1250	0.427	42.831	271
	3.2	48.097	2059	3.472	48.118	2205	0.159	42.898	101
	0.8	48.187	511	1.434	48.212	911	5.457	43.599	3466
	0.3	48.28	206	1.770	48.313	1124	1.570	43.935	997
	0.8	48.679	532	4.478	48.547	2844	8.219	44.233	5220
	0.6	49.08	366	5.969	48.700	3791	5.640	44.410	3582
	1.2	49.292	764	3.788	49.166	2406	3.494	44.841	2219
	0.3	49.633	222	3.492	49.375	2218	2.546	44.923	1617
	2.1	49.738	1363	1.097	49.647	697	0.471	45.101	299
	0.4	49.91	268	1.426	49.763	906	2.218	45.254	1409
	0.4	50.058	247	0.784	49.926	498	3.813	45.354	2422
	19.2	50.472	12226	0.882	50.071	560	2.231	46.283	1417
	0.8	50.958	512	0.457	50.278	290	2.206	46.400	1401
	0.4	51.116	232	26.017	50.492	16524	1.784	46.505	1133
	0.5	51.403	315	0.283	50.815	180	7.228	46.785	4591
	1.3	51.783	843	2.502	50.983	1589	8.623	47.543	5477
	0.5	51.932	347	3.787	51.137	2405	0.287	47.754	182
	0.3	52.607	193	1.030	51.428	654	5.223	47.955	3317

22.3	52.761	14139
0.4	53.156	236
0.3	53.318	168
11.4	54.002	7214
2.0	54.526	1275
0.2	54.687	143
0.9	54.84	579
0.6	55.029	397
0.3	55.612	202
5.2	56.211	3280
2.2	56.295	1367
0.8	56.493	512
0.2	56.545	145
1.4	56.709	907
2.3	56.869	1458
1.6	57.444	1006
2.0	57.681	1290
5.0	57.903	3180
2.5	58.007	1594
5.2	58.158	3321
4.6	58.434	2921
26.5	58.596	16861
0.3	58.729	159
0.9	58.944	556
0.7	59.048	417
11.0	59.17	6968
14.2	59.338	8988
0.5	59.662	291
0.4	59.729	273
48.4	59.842	30740
7.7	59.958	4918
0.7	60.038	418
4.4	60.152	2766
0.7	60.345	449
2.4	60.69	1539
4.1	61.001	2607
11.7	61.172	7412
3.3	61.514	2067
2.9	61.668	1832
7.1	61.765	4483
1.0	61.869	613
8.8	62.029	5581
7.1	62.409	4508
5.6	62.532	3550
4.3	62.602	2727
7.2	62.721	4587
9.5	62.781	6055
1.3	62.988	845
29.7	63.153	18841
3.5	63.268	2193
17.3	63.464	11018
9.3	63.545	5898
2.5	63.631	1569
1.8	63.682	1165
20.6	63.806	13089
0.3	63.898	221
0	11.826	672
0	52.79	293
0	57.04	111
0	63.34	751

0.732	51.493	465
0.565	51.664	359
1.582	51.797	1005
0.855	51.923	543
0.447	52.475	284
0.321	52.626	204
0.753	53.320	478
9.189	54.018	5836
0.954	54.301	606
1.080	54.452	686
1.910	54.546	1213
0.291	54.699	185
1.620	54.843	1029
0.493	55.036	313
0.960	55.627	610
0.392	55.782	249
4.555	56.228	2893
0.411	56.521	261
0.427	56.697	271
0.822	56.901	522
1.785	57.453	1134
3.487	57.916	2215
1.976	58.020	1255
2.592	58.299	1646
11.971	58.444	7603
25.861	58.604	16425
0.671	58.735	426
0.327	58.871	208
0.874	58.950	555
4.579	59.058	2908
12.309	59.175	7818
0.697	59.470	443
1.012	59.550	643
0.439	59.667	279
55.864	59.848	35481
11.032	59.965	7007
3.256	60.126	2068
3.643	60.205	2314
3.303	60.318	2098
1.842	60.688	1170
4.541	60.996	2884
28.585	61.180	18155
12.408	61.520	7881
1.455	61.680	924
29.400	61.770	18673
4.531	61.855	2878
6.293	62.041	3997
1.247	62.208	792
8.724	62.434	5541
36.985	62.535	23490
21.580	62.721	13706
4.157	62.789	2640
5.482	62.867	3482
3.258	62.995	2069
38.243	63.151	24289
4.919	63.276	3124
10.092	63.391	6410
6.422	63.485	4079
10.571	63.553	6714
4.824	63.636	3064
3.754	63.683	2384
9.579	63.843	6084
1.080	11.826	686
0.165	40.236	105
0.672	41.148	427
0.192	42.100	122
0.797	47.648	506
0.326	49.490	207
0.285	51.100	181

5.621	48.186	3570
1.176	48.279	747
1.625	48.379	1032
1.067	48.549	678
7.576	48.772	4812
3.506	49.243	2227
1.146	49.381	728
0.296	49.590	188
1.836	49.726	1166
3.676	49.833	2335
0.655	49.996	416
1.524	50.141	968
1.908	50.345	1212
23.965	50.562	15221
1.312	50.892	833
4.607	51.048	2926
9.450	51.211	6002
3.045	51.497	1934
2.664	51.570	1692
1.370	51.732	870
5.981	51.853	3799
0.890	51.978	565
1.404	52.542	892
0.398	52.698	253
1.242	53.358	789
3.968	53.693	2520
23.052	54.079	14641
4.281	54.370	2719
1.959	54.527	1244
5.849	54.606	3715
1.307	54.766	830
2.570	54.915	1632
1.724	55.108	1095
1.653	55.698	1050
0.477	55.848	303
4.338	56.277	2755
1.762	56.345	1119
0.283	56.448	180
0.951	56.609	604
0.575	56.765	365
0.913	56.887	580
1.800	57.629	1143
0.294	57.725	187
3.661	57.977	2325
1.538	58.092	977
3.003	58.357	1907
3.355	58.496	2131
55.615	58.668	35323
0.458	58.796	291
0.420	58.905	267
0.693	59.030	440
0.364	59.125	231
16.203	59.239	10291
5.262	59.532	3342
3.404	59.795	2162
70.652	59.907	44873
12.508	60.025	7944
1.516	60.111	963
7.025	60.215	4462
11.687	60.380	7423
1.563	60.465	993
1.689	60.866	1073
4.478	61.059	2844
5.986	61.241	3802
4.410	61.557	2801
2.359	61.740	1498
5.449	61.837	3461
1.060	61.919	673
6.385	62.105	4055

				0.633	52.915	402	0.559	62.347	355
				0.390	54.405	248	1.234	62.412	784
				0.310	56.502	197	0.783	62.465	497
				0.639	57.160	406	2.218	62.522	1409
				0.186	59.473	118	14.348	62.653	9113
				0.217	59.562	138	3.628	62.771	2304
				0.781	60.792	496	2.593	62.851	1647
				0.288	62.166	183	0.853	62.918	542
				0.202	62.722	128	3.089	63.037	1962
				0.337	63.429	214	0.666	63.117	423
				0.466	63.536	296	17.737	63.205	11265
							4.179	63.313	2654
							2.519	63.441	1600
							0.879	63.524	558
							10.529	63.594	6687
							1.507	63.682	957
							1.430	63.741	908
							0.817	63.833	519
							0.787	63.895	500
Name	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area	Conc (ppbC)	RT (min)	Area
Total non-target:	637		406,262	703		446,682	1,005		638,523
Total target	**453**		**289,038**	**1,839**		**1,214,047**	**4,947**		**3,281,663**
Total	**1,090**		**695,300**	**2,542**		**1,660,729**	**5,952**		**3,920,186**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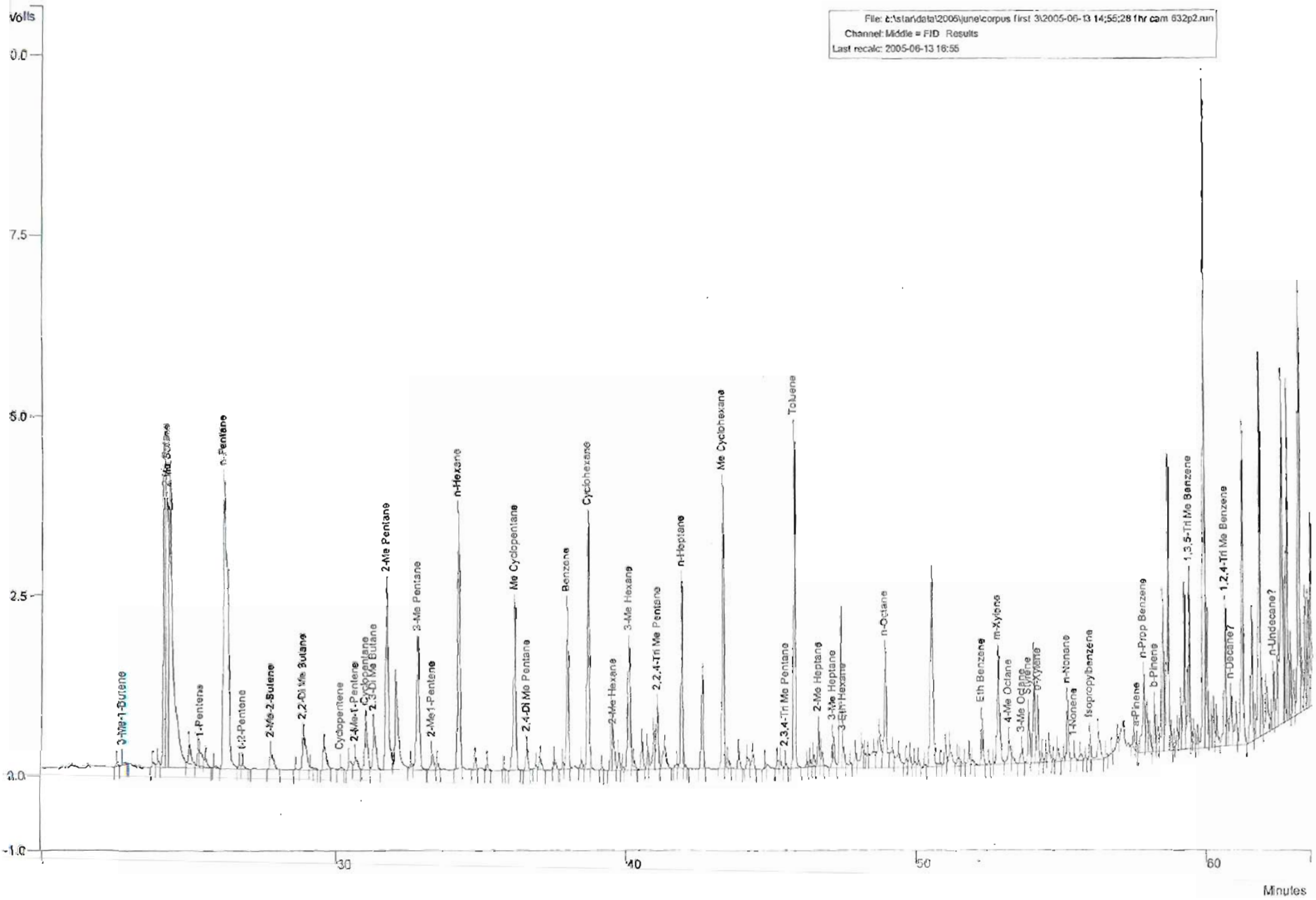
Channel: Front = FID Results
Last recalc: 2005-06-13 16:54
Volts
60
50
40
30
20
10
0
-6
Ethane
Ethene
Propane
Propene
Me Propene
n-Butane
Ethyne
t-2-Butene
1-Butene
2-Me Propene
c-2-Butene
1,3-Butadiene
10
20
30
40
50
60
Minutes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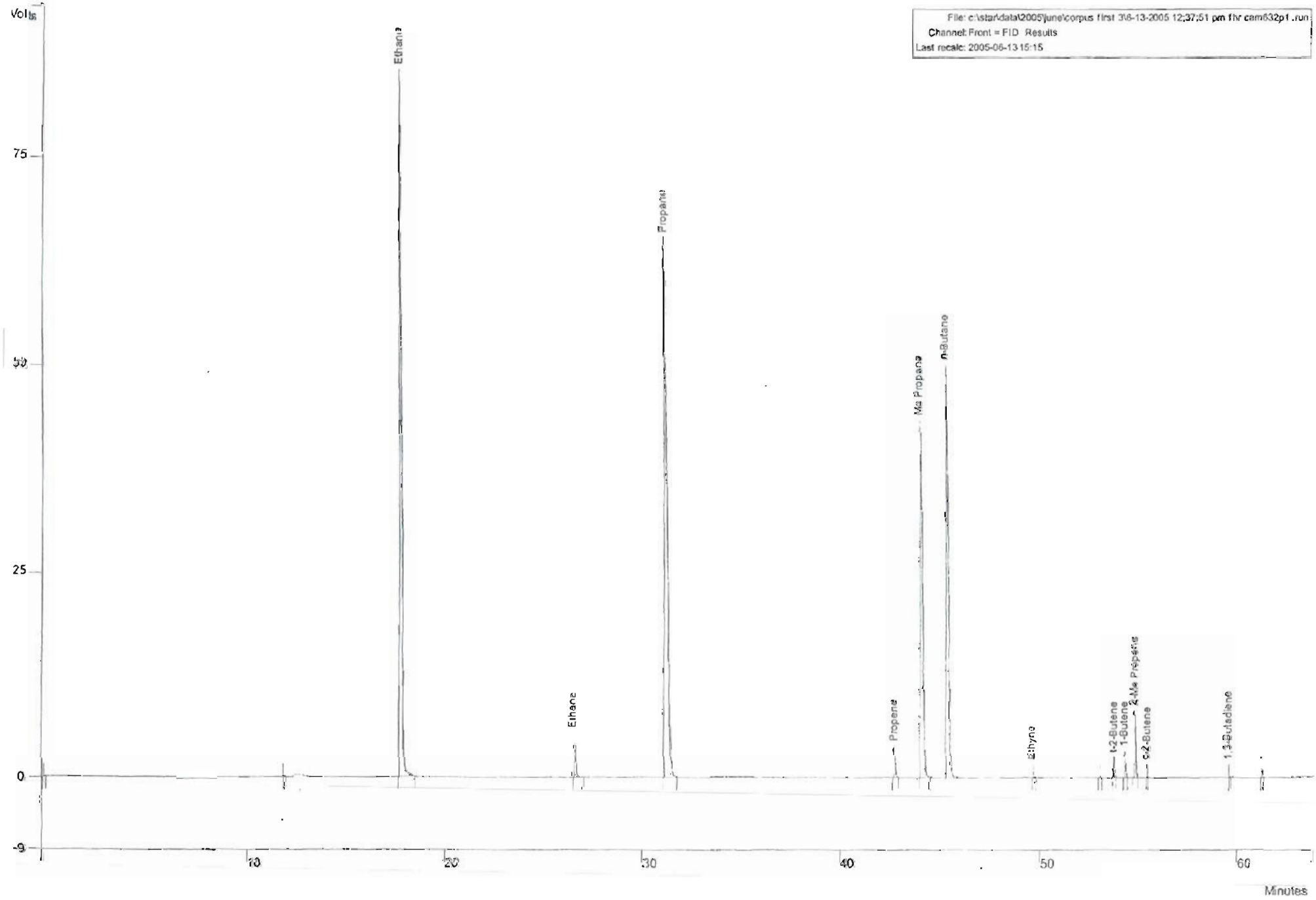
Last recalc: 2005-06-13 16:55
Volts
0.0
7.5
5.0
2.5
0.0
-1.0
30
40
50
60
Minutes
3-Me-1-Butene
2-Me Butane
1-Pentene
n-Pentane
t-2-Pentene
2-Me-2-Butene
2,2-Di Me Butane
Cyclopentene
2-Me-1-Pentene
Cyclopentane
2,3-Di Me Butane
2-Me Pentane
3-Me Pentane
2-Me-1-Pentene
n-Hexane
Me Cyclopentane
2,4-Di Me Pentane
Benzene
Cyclohexane
2-Me Hexane
3-Me Hexane
2,2,4-Tri Me Pentane
n-Heptene
Me Cyclohexane
2,3,4-Tri Me Pentane
Toluene
2-Me Heptane
3-Me Heptane
3-Eth Hexane
n-Octene
Eth Benzene
m-Xylene
4-Me Octane
3-Me Octane
Styrene
o-Xylene
n-Nonene
1-Nonene
Isopropylbenzene
a-Pinene
n-Prop Benzene
b-Pinene
1,3,5-Tri Me Benzene
1,2,4-Tri Me Benzene
n-Decene?
n-Undecane?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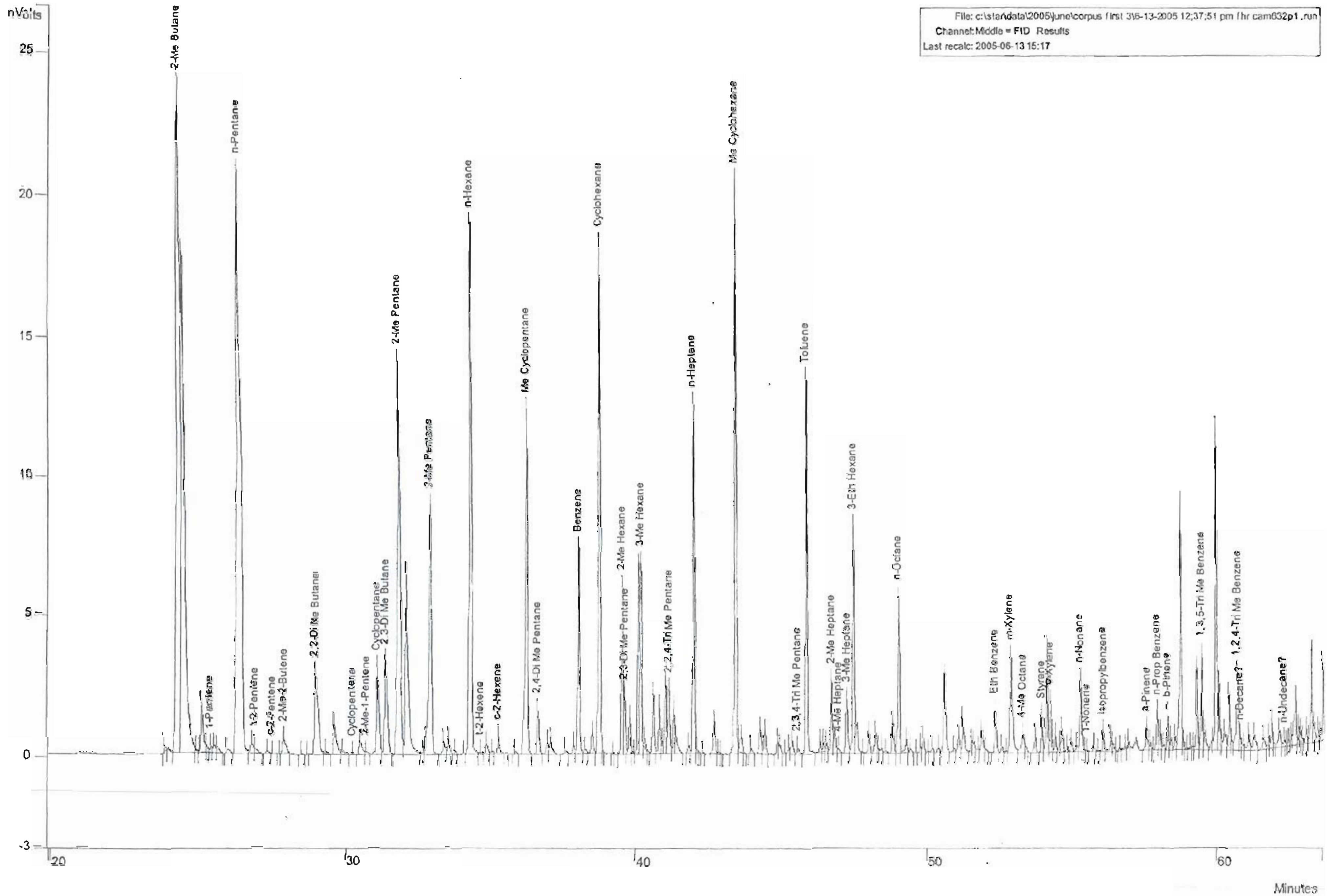
Last recalc: 2005-06-13 15:15
Volts
75
50
25
0
-9
Ethane
Ethane
Propane
Propene
Me Propane
n-Butane
Ethyne
t-2-Butene
1-Butene
2-Me Propene
c-2-Butene
1,3-Butadiene
10
20
30
40
50
60
Minutes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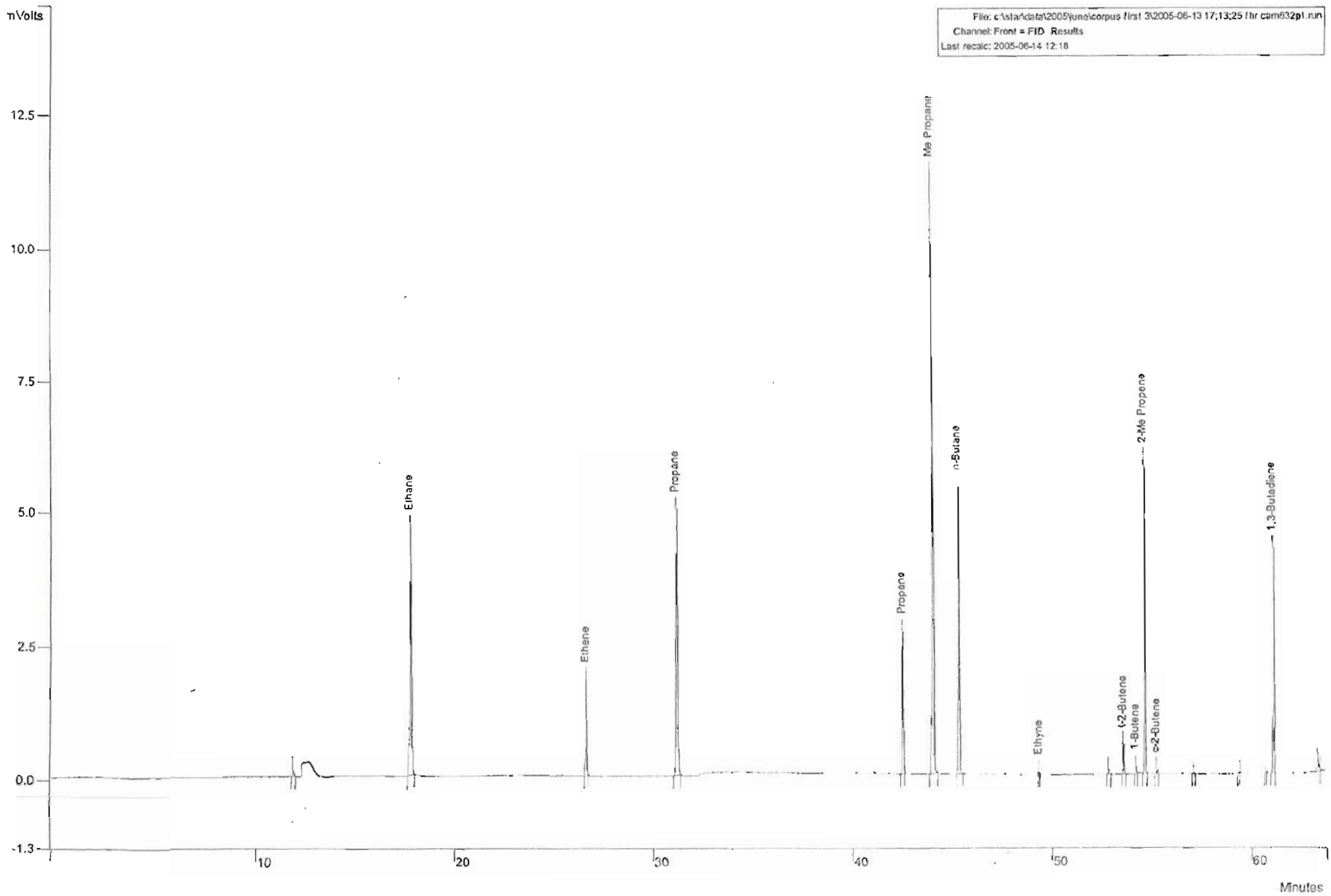
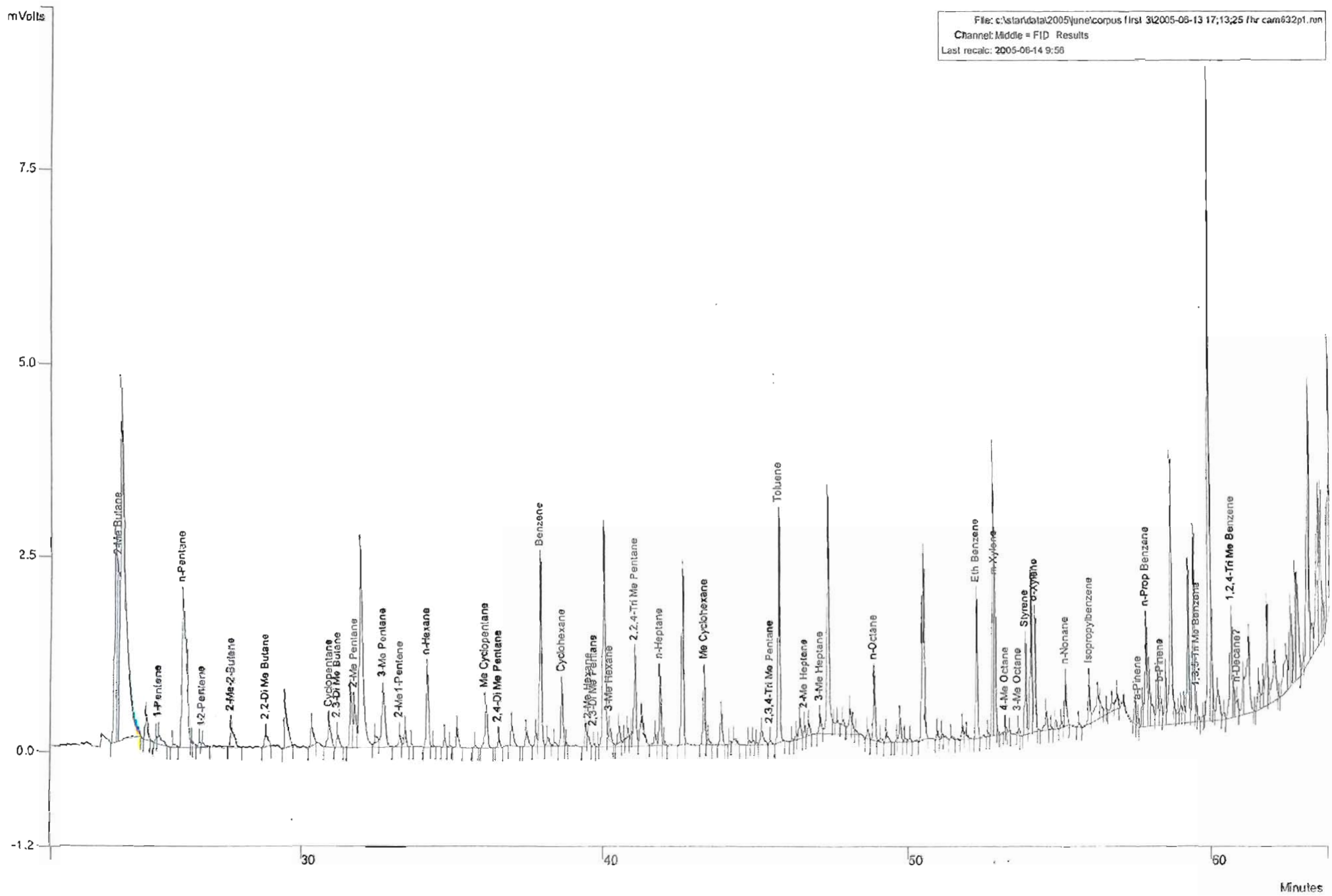
Last recalc: 2005-06-13 15:17
mVolts
25
20
15
10
5
0
-3
20
30
40
50
60
Minutes
2-Me Butane
1-Pentene
n-Pentane
t-2-Pentene
c-2-Pentene
2-Me-2-Butene
2,2-Di Me Butane
Cyclopentene
2-Me-1-Pentene
Cyclopentane
2,3-Di Me Butane
2-Me Pentane
3-Me Pentane
n-Hexane
t-2-Hexene
c-2-Hexene
Me Cyclopentane
2,4-Di Me Pentane
Benzene
Cyclohexane
2,3-Di-Me-Pentane
2-Me Hexane
3-Me Hexane
2,2,4-Tri Me Pentane
n-Heptane
Me Cyclohexane
2,3,4-Tri Me Pentane
Toluene
2-Me Heptane
4-Me Heptane
3-Me Heptane
3-Eth Hexane
n-Octane
Eth Benzene
m-Xylene
4-Me Octane
Styrene
o-Xylene
n-Nonane
1-Nonene
isopropylbenzene
a-Pinene
n-Prop Benzene
b-Pinene
1,3,5-Tri Me Benzene
n-Decane?
1,2,4-Tri Me Benzene
n-Undecane?


nVolts
12.5
10.0
7.5
5.0
2.5
0.0
-1.3
10
20
30
40
50
60
Minutes
File: c:\star\data\2005\june\corpus first 3\2005-06-13 17;13;25 fhr cam832p1.run
Channel: Front = FID Results
Last recalc: 2005-06-14 12:18
Ethane
Ethane
Propane
Propene
Me Propane
n-Butane
Ethyne
t-2-Butene
1-Butene
c-2-Butene
2-Me Propene
1,3-Butadiene


File: c:\star\data\2005\june\corpus first 3\2005-06-13 17;13;25 fhr cam632p1.run
Channel: Middle = FID Results
Last recalc: 2005-06-14 9:56
mVolts
7.5
5.0
2.5
0.0
-1.2
30
40
50
60
Minutes
2-Me Butane
1-Pentene
n-Pentane
t-2-Pentene
2-Me-2-Butene
2,2-Di Me Butane
Cyclopentane
2,3-Di Me Butane
2-Me Pentane
3-Me Pentane
2-Me1-Pentene
n-Hexane
Me Cyclopentane
2,4-Di Me Pentane
Benzene
Cyclohexane
2,3-Di Me Pentane
3-Me Hexane
2,2,4-Tri Me Pentane
n-Heptane
Me Cyclohexane
2,3,4-Tri Me Pentane
Toluene
2-Me Heptane
3-Me Heptane
n-Octane
Eth Benzene
m-Xylene
4-Me Octane
3-Me Octane
Styrene
o-Xylene
n-Nonane
Isopropylbenzene
a-Pinene
n-Prop Benzene
b-Pinene
1,3,5-Tri Me Benzene
1,2,4-Tri Me Benzene
n-Decane

Agenda Item - II Project Overview and Status

A.*ii.* *a.* Notification Tool - Models

Corpus Christi Model _ Huisache Site

Houston Auto GC Model

PLACE IN THE
BRIEFING BOOK UNDER TAB 5

INFORMATION FROM OTHER MONITORING PROJECTS

June 15, 2005

URS Operated Auto GC at the Huisache Site
(Corpus Christi Model)

1. The Huisache site operates an AutoGC on a 15-minute cycle.

2. At the end of each analysis cycle one of the URS database servers in Austin polls the resident PC directory where Auto GC data is stored.

3. This value is then compared to a threshold or alert value in the database.

4. If the latest concentration is greater than or equal to the alert value a database script sends an email (with concentration value and concurrent wind direction/speed) via the internet. The message can be delivered to any specific IP address (in other words it can either be to your email inbox or to a pager). The system is configured such that plant personnel can either receive all such messages or restrict the messaging within a arc of wind directions such that you would only receive a message if the high concentration was potentially coming from your plant processes.

Environmental Monitoring Response System (ERMS) Pilot Study
(Houston Model)

1. The EMRS system was developed by URS with funding from Houston Regional Monitoring.

2. The data from the eight (8) monitoring sites flow into the TCEQ LEADS database.

3. When ambient HRVOC levels exceed predetermined ambient concentration thresholds an alert is broadcast from the TCEQ to URS via an FTP portal.

4. URS determines the 90 degree wedge of area upwind of the monitor.

5. If a participant's facility is located in the 90 degree response wedge (upwind of the monitor) and the facility is within a 10 kilometer distance from the monitor, these facilities are immediately notified via a digital pager or email.

6. Participating facilities are obligated to conduct an investigation of activities that were ongoing at each facility in the wedge at the time of the alert.

7. Each notified facility then files an electronic response notification to the database within two (2) business days. The EMRS database incorporates the use of an Oracle relational database that is used to issue alert notices, and to keep track of facility responses.

8. When a company submits the web notification form to the EMRS database, an exact duplicate of the form is transmitted to TCEQ Region 12. In addition, the EMRS alert system sends an automatic report to Region 12 that indicates which facilities were notified in the alert wedge along with a list of non-participants in the wedge. There are approximately 60 participating facilities. The EMRS system is a totally automated web based application. When a facility files a report, they go to the EMRS website and complete a 2 page web form. Once a week we compare response information with TCEQ Region 12.

FYI: Ken Rozacky and John Jolly at TCEQ are sources for additional information about the EMRS database.

Agenda Item - II Project Overview and Status

A.*ii. b.* Notification Tool - Issues

Interface with Industry

PLACE IN THE
BRIEFING BOOK UNDER TAB 5

INFORMATION FROM OTHER MONITORING PROJECTS

June 15, 2005

Corpus Christi Air Monitoring and Surveillance Camera Network Project Advisory Board

June 11, 2005

United States District Court
1133 N. Shoreline Suite 124
Corpus Christi, TX 78401

Attention: Ms. Sheila Johnson, Assistant Deputy Chief

The Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project Advisory Board seek your approval in regards to defined industry participation in the project. In awarding the funds to the University of Texas to manage this project, the court was specific in it's desire to not have Koch Petroleum Group (L.P.)or their officers benefit from, get public acknowledgement for, or in any way control or direct this air monitoring project. The Advisory Board is mindful of this guidance and appreciates this stipulation.

Since award of these funds, the project has made great progress by deploying and testing the monitoring equipment, finding additional funding to prolong project duration and expanding the project capabilities. In reviewing the data and current technical abilities it has come to our attention that sharing this information with industry in Corpus is vital in addressing detected issues in a timely manner. For example, the Texas Commission on Environmental Quality has the technology available to automatically screen the monitoring data and generate electronic notifications to not only their own staff but also to other parties. This coupled with a modeling tool developed by the University of Texas using state Supplemental Environmental Project funding can quickly point out potential pollution events and general areas which might either be impacted or may have contributed to the events. It is the desire of this board to engage industry representatives in this notification and follow-up process as part of our continued attempt to understand and reduce air pollution concentrations and exposure in Corpus Christi. Industry representatives would not be on the advisory board but would be invited to attend specific meetings to discuss project status and findings.

Thank you in advance for your consideration of this matter and for helping our community by means of this monitoring project.

Sincerely,

Printed Name	Signature	Affiliation

Agenda Item - II Project Overview and Status

A.*iii.* *a.* Air Quality Indicators Summarizing the Data

EPA Practices

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

AIR MONITORING DATA AND INFORMATION

June 15, 2005

April 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 11:00 pm 1308.85
3 4:00 am 1941.94	4 3:00 am 1003.91	5 3:00 am 1730.25	6	7	8 7:00 am 1338.13	9
10 10:00 am 1027.33	11	12 7:00 am 1724.10	13 9:00 pm 1952.79	14 12:00 am 1356.52	15	16 11:00 pm 1441.85
17	18 12:00 am 1179.89	19	20	21 6:00 am 1756.68	22 1:00 am 1717.53	23
24	25 11:00 pm 1514.93	26 1:00 am 1005.72	27 4:00 am 1782.01	28 4:00 am 1632.91	29 4:00 am 1369.58	30

May 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 6:00 am 1347.35	6	7
8 11:00 pm 1037.98	9 8:00 pm 1045.85	10 5:00 am 1288.54	11	12	13	14 4:00 am 1212.57
15 1:00 am 1205.89	16	17	18	19	20	21
22 3:00 am 8494.96	23 10:00 pm 3448.89	24 5:00 am 4663.86	25 2:00 am 3777.54	26 11:00 pm 8459.52	27 12:00 am 9182.74	28 6:00 am 3623.51
29 6:00 am 2093.05	30 10:00 pm 3106.22	31 9:00 pm 1446.44				

Suggested framework for summary of data

Air Quality Index

- Virtually every air quality reporting system that we examined used a normalization
  - (Observed value/benchmark value) * 100
- Key issue is what normalization scale to use
  - For criteria pollutants (e.g., ozone) the benchmark value is the National Ambient Air Quality Standard
  - For other pollutants there are health-based screening levels; multiple screening levels are available; most widely used values are set by EPA and California

Example of multiple benchmark values for developing indices

Index Values	Levels of Health Concern	Cautionary Statements
0-50	Good	None
51-100*	Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion outdoors.
101-150	Unhealthy for Sensitive Groups	Active children and adults, and people with lung disease, such as asthma, should reduce prolonged or heavy exertion outdoors.
151-200	Unhealthy	Active children and adults, and people with lung disease, such as asthma, should avoid prolonged or heavy exertion outdoors. Everyone else, especially children, should reduce prolonged or heavy exertion outdoors.
201-300	Very Unhealthy	Active children and adults, and people with lung disease, such as asthma, should avoid all outdoor exertion. Everyone else, especially children, should avoid prolonged or heavy exertion outdoors.
301-500	Hazardous	Everyone should avoid all physical activity outdoors.

* Generally, an AQI of 100 for ozone corresponds to an ozone level of 0.08 parts per million (averaged over 8 hours).

Proposed strategy

- Select multiple indices
- Use color coded scales
  - Meets all standards (no color added)
  - Meets all but most stringent standard (yellow)
  - Fails to meet two standards or is 50% above single standard (red)
  - Fails to meet all standards or is 100% above single standard (purple)

Proposed presentation of data

- For each site, create a calendar that shows a monthly summary of daily maximum values of air quality index for each pollutant
- For detailed data tables, highlight index values in tables (similar to TCEQ practice)
- Provide documentation of index values

Site specific calendar of AQIs

April 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 11:00 pm 1308.85
3 4:00 am 1941.94	4 3:00 am 1003.91	5 3:00 am 1730.25	6	7	8 7:00 am 1335.13	9
10 10:00 am 1027.33	11	12 7:00 am 1724.10	13 9:00 pm 1962.79	14 12:00 am 1358.52	15	16 11:00 pm 1441.85
17	18 12:00 am 1179.89	19	20	21 6:00 am 1758.68	22 1:00 am 1717.53	23
24	25 11:00 pm 1514.93	26 1:00 am 1005.72	27 4:00 am 1782.01	28 4:00 am 1632.91	29 4:00 am 1389.58	30

May 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 6:00 am 1347.35	6	7
8 11:00 pm 1037.98	9 8:00 pm 1045.85	10 5:00 am 1285.54	11	12	13	14 4:00 am 1212.57
15 1:00 am 1205.89	16	17	18	19	20	21
22 3:00 am 6484.99	23 10:00 pm 3446.69	24 5:00 am 4963.58	25 2:00 am 3777.54	26 11:00 pm 6459.62	27 12:00 am 9162.74	28 6:00 am 3623.51
29 5:00 am 3060.05	30 10:00 pm 3108.22	31 9:00 pm 1446.44				

Example of data table with AQIs

CAMS 55 Monthly Ozone Summary for August 2000

Use the controls below to select a different month or parameter and to control ozone cell highlighting based on measured ozone levels. Click on the Generate Report button once you have made your selections.

Select a date: August 2000 | Select a Parameter: Ozone in parts per billion | Generate Report

Ozone Highlights: ☐ Healthy ☑ Moderate ☑ Unhealthy for Sensitives ☑ Unhealthy ☑ Very Unhealthy

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SD	Min	Ave	STD	Cap	
1	0	0	0	0	0	0	0	1	8	16	26	42	58	68	94	125	105	75	45	31	31	25	18	13	125	105	0	33	36.23	100.0%	1
2	13	SPN	SPN	4	0	0	0	2	6	13	24	42	59	81	81	66	60	20	17	12	4	5	0	2	81	81	0	23	27.22	91.7%	2
3	2	2	1	0	0	0	0	2	PMA	11	18	33	49	60	46	69	54	34	14	11	12	8	6	6	69	60	0	19	21.62	95.8%	3
4	4	3	4	5	2	1	2	1	5	9	17	22	15	24	29	30	26	20	12	5	4	6	5	5	30	29	1	11	9.38	100.0%	4
5	6	4	4	7	3	1	1	4	10	15	21	23	27	26	24	16	20	13	AQI	10	7	7	7	5	27	26	1	11	8.22	95.8%	5
6	5	SPN	SPN	4	0	0	2	5	10	13	20	27	30	36	38	31	24	18	13	6	5	2	2	3	30	38	0	14	12.91	91.7%	6
7	4	3	2	3	1	0	0	4	9	15	20	28	33	33	39	35	38	36	30	25	23	22	19	20	39	38	0	18	13.49	100.0%	7
8	16	12	13	12	7	8	7	9	14	20	26	25	21	22	23	21	23	19	19	18	18	15	13	7	26	25	7	16	5.84	100.0%	8
9	8	SPN	SPN	4	1	1	1	4	10	17	23	31	37	47	36	30	23	11	12	13	10	8	3	3	47	37	1	15	13.24	91.7%	9
10	5	3	6	4	0	0	0	3	10	15	PMA	34	40	51	54	85	82	66	33	20	15	9	9	11	85	82	0	24	26.06	95.8%	10
11	11	8	3	6	4	1	0	3	7	10	16	24	43	57	79	98	103	92	73	33	32	7	2	3	103	98	0	30	33.82	100.0%	11
12	3	2	0	0	0	0	1	11	55	115	131	114	124	124	93	87	97	77	64	52	67	58	64	54	131	124	0	58	45.49	100.0%	12
13	43	SPN	SPN	2	1	0	3	30	53	70	74	70	69	78	78	80	89	65	35	38	50	41	37	42	80	80	0	48	27.29	91.7%	13
14	42	40	31	6	7	0	1	4	15	17	21	PMA	25	23	20	19	20	19	13	5	3	1	5	8	42	40	0	15	11.75	95.8%	14
15	7	6	11	4	3	3	2	11	10	15	17	21	21	24	16	14	17	17	10	9	10	7	9	9	24	21	2	11	5.96	100.0%	15
16	6	SPN	SPN	3	0	0	0	2	5	9	15	24	37	43	52	54	52	24	19	8	6	6	5	7	54	52	0	17	18.07	91.7%	16
17	7	2	1	1	1	0	0	2	4	10	PMA	35	71	68	62	68	79	55	46	26	18	19	15	9	79	71	0	26	27.17	95.8%	17
18	8	6	5	0	0	0	0	1	10	23	39	51	58	67	67	65	60	53	47	38	21	26	24	25	67	67	0	29	23.94	100.0%	18
19	31	39	36	24	19	10	1	12	42	52	65	71	73	76	85	80	61	53	47	36	41	35	27	26	85	80	1	43	22.85	100.0%	19
20	26	SPN	SPN	24	20	15	7	8	23	31	36	43	50	49	55	62	55	30	19	11	15	13	13	6	62	55	6	28	17.10	91.7%	20
21	6	7	7	3	2	0	0	3	11	17	22	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	22	17	0	7	6.72	45.8%	21
22	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA						0.0%	22
23	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	SPN	SPN	SPN	61	72	34	7	16	31	28	25	25	72	61	7	33	19.52	37.5%	23
24	19	26	26	0	0	0	0	2	20	PMA	34	59	66	44	36	14	12	16	13	6	2	0	0	2	66	59	0	17	18.99	95.8%	24
25	3	0	0	0	0	0	0	2	21	39	47	97	157	150	82	68	45	34	29	23	23	18	16	5	157	150	0	36	44.27	100.0%	25
26	4	5	7	0	0	0	0	0	14	26	39	44	53	59	65	73	58	42	26	15	17	18	15	13	73	65	0	25	22.96	100.0%	26

CAMS 55 Monthly Ozone Summary for August 2000

Use the controls below to select a different month or parameter and to control ozone cell highlighting based on measured ozone levels. Click on the Generate Report button once you have made your selections.

Select a date: August 2000 **Select a Parameter:** Ozone in parts per billion Generate Report

Ozone Highlights: ☐ Healthy ☑ Moderate ☑ Unhealthy for Sensitives ☑ Unhealthy ☑ Very Unhealthy

Day	Morning												Afternoon												Statistics						Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	
1	0	0	0	0	0	0	0	1	8	16	26	42	58	68	94	125	105	75	45	31	31	25	18	13	125	105	0	33	36.23	100.0%	1
2	13	SPN	SPN	4	0	0	0	2	6	13	24	42	59	81	81	66	60	20	17	12	4	5	0	2	81	81	0	23	27.22	91.7%	2
3	2	2	1	0	0	0	0	2	PMA	11	18	33	49	60	46	69	54	34	14	11	12	8	6	6	69	60	0	19	21.62	95.8%	3
4	4	3	4	5	2	1	2	1	5	9	17	22	15	24	29	30	26	20	12	5	4	6	5	5	30	29	1	11	9.38	100.0%	4
5	6	4	4	7	3	1	1	4	10	15	21	23	27	26	24	16	20	13	AQI	10	7	7	7	5	27	26	1	11	8.22	95.8%	5
6	5	SPN	SPN	4	0	0	2	5	10	13	20	27	39	36	38	31	24	18	13	6	5	2	2	3	39	38	0	14	12.91	91.7%	6
7	4	3	2	3	1	0	0	4	9	15	20	28	33	33	39	35	38	36	30	25	23	22	19	20	39	38	0	18	13.49	100.0%	7
8	16	12	13	12	7	8	7	9	14	20	26	25	21	22	23	21	23	19	19	18	18	15	13	7	26	25	7	16	5.84	100.0%	8
9	8	SPN	SPN	4	1	1	1	4	10	17	23	31	37	47	36	30	23	11	12	13	10	8	3	3	47	37	1	15	13.24	91.7%	9
10	5	3	6	4	0	0	0	3	10	15	PMA	34	40	51	54	85	82	66	33	20	15	9	9	11	85	82	0	24	26.05	95.8%	10
11	11	8	3	6	4	1	0	3	7	10	16	24	43	57	79	98	103	92	73	33	32	7	2	3	103	98	0	30	33.82	100.0%	11
12	3	2	0	0	0	0	1	11	55	115	131	114	124	124	93	87	97	77	64	52	67	58	64	54	131	124	0	58	45.49	100.0%	12
13	43	SPN	SPN	2	1	0	3	30	53	70	74	70	69	78	78	80	89	65	35	38	50	41	37	42	89	80	0	48	27.29	91.7%	13
14	42	40	31	6	7	0	1	4	15	17	21	PMA	25	23	20	19	20	19	13	5	3	1	5	8	42	40	0	15	11.75	95.8%	14
15	7	6	11	4	3	3	2	11	10	15	17	21	21	24	16	14	17	17	10	9	10	7	9	9	24	21	2	11	5.96	100.0%	15
16	6	SPN	SPN	3	0	0	0	2	5	9	15	24	37	43	52	54	52	24	19	8	6	6	5	7	54	52	0	17	18.07	91.7%	16
17	7	2	1	1	1	0	0	2	4	10	PMA	35	71	68	62	68	79	55	46	26	18	19	15	9	79	71	0	26	27.17	95.8%	17
18	8	6	5	0	0	0	0	1	10	23	39	51	58	67	67	65	60	53	47	38	21	26	24	25	67	67	0	29	23.94	100.0%	18
19	31	39	36	24	19	10	1	12	42	52	65	71	73	76	85	80	61	53	47	36	41	35	27	26	85	80	1	43	22.85	100.0%	19
20	26	SPN	SPN	24	20	15	7	8	23	31	36	43	50	49	55	62	55	30	19	11	15	13	13	6	62	55	6	28	17.10	91.7%	20
21	6	7	7	3	2	0	0	3	11	17	22	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	22	17	0	7	6.72	45.8%	21
22	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA						0.0%	22
23	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	PMA	SPN	SPN	SPN	61	72	34	7	16	31	28	25	25	72	61	7	33	19.52	37.5%	23
24	19	26	26	0	0	0	0	2	20	PMA	34	59	66	44	36	14	12	16	13	6	2	0	0	2	66	59	0	17	18.99	95.8%	24
25	3	0	0	0	0	0	0	2	21	39	47	97	157	150	82	68	45	34	29	23	23	18	16	5	157	150	0	36	44.27	100.0%	25
26	4	5	7	0	0	0	0	0	14	26	39	44	53	59	65	73	58	42	26	15	17	18	15	13	73	65	0	25	22.96	100.0%	26

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Min	Avg	STD	Cap	Day
	Morning												Afternoon												Statistics						
27	17	SPN	SPN	18	7	1	6	15	23	32	40	47	51	51	42	33	30	25	19	12	8	4	6	5	51	51	1	22	15.82	91.7%	27
28	12	12		4	0	0	0	2	16	23	31	38	41	44		37	36	25	17	16	10	13	15	9	44	41	0		.19	100.0%	28
29	8	9	9	3	0	0	0	1	8	17	26	35	42	60	70	65	63	43	24	20	16	11	11	8	70	65	0	25	22.15	100.0%	29
30	5	SPN	SPN	1	3	0	0	2	PMA	PMA	PMA	PMA	PMA	66	72	90	103	114	60	36	23	19	19	8	114	103	0	37	38.20	70.8%	30
31	10	11	12	10	2	1	1	5	10	19	29	45	78	PMA	105	136	123	110	67	33	35	32	18	25	136	123	1	40	41.11	95.8%	31

Maximum values for each day are **highlighted** within the table.

Ozone is measured in parts per billion

CAMS 55 Ozone Monthly Statistics for August 2000					
Max	SH	Min	Avg	STD	Cap
157 ppb	150 ppb	0 ppb	25.03 ppb	27.27	89.2%
August 25 Noon	August 25 1:00 pm	August 1 Mid	-- -- -- --	-- -- -- --	-- -- -- --

Key to Highlight Colors:

Values in the table above are color-coded to match the ozone warning levels described on the Ozone Warning Status web page. Ozone levels have been mapped to colors based on the one-hour Air Quality Index (AQI) standard for ozone.

	Measured values range from 0 to 79 ppb. Ozone levels in this range are considered healthy.
	Measured values range from 80 to 124 ppb. Ozone levels in this range are considered moderate.
	Measured values range from 125 to 164 ppb. Ozone levels in this range are considered unhealthy for sensitive groups.
	Measured values range from 165 to 204 ppb. Ozone levels in this range are considered unhealthy.
	Measured values range 205 ppb and higher. Ozone levels in this range are considered very unhealthy.

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Agenda Item - II Project Overview and Status

A.*iii. a.* Air Quality Indicators Summarizing the Data

TCEQ Practices

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

AIR MONITORING DATA AND INFORMATION

June 15, 2005

Texas Natural Resource Conservation Commission

Effects Screening Levels

(In AutoGC elution order)

Effects Screening Levels (ESLs) are used to evaluate the potential for effects to occur as a result of exposure to concentrations of constituents in the air. ESLs are based on data concerning health effects, odor, and vegetation effects. They are not ambient air standards. If predicted or measured airborne levels of a constituent do not exceed the screening level, adverse health or welfare effects would not be expected to result. If ambient levels of constituents in air exceed the screening levels, it does not necessarily indicate a problem, but rather, triggers a more in-depth review. If you have any questions about the potential for health, odor, or vegetation effects from exposure to reported concentrations of any of these compounds, please contact the Toxicology Section by telephone at (512) 239-1795 or by email at tox@tceq.state.tx.us.

Elution Order	Param	Name	CAS Number	Target	Carbon Num	Minimum Detection Limit		ESL (ppb-V)		
						ppb-C	ppb-V	Odor	One-Hour	Annual
1	43202	Ethane	74-84-0	Y	2	0.4	0.2		10000	
2	43203	Ethylene	74-85-1	Y	2	0.4	0.2		1022	
3	43204	Propane	74-98-6	Y	3	0.4	0.1		10000	1000
4	43205	Propylene	115-07-1	Y	3	0.4	0.1		68120	
5	43214	Isobutane	75-28-5	Y	4	0.4	0.1	2042	8000	800
6	43212	n-Butane	106-97-8	Y	4	0.4	0.1		8000	800
7	43206	Acetylene	74-86-2	Y	2	0.4	0.2		25000	2500
8	43216	t-2-Butene	624-64-6	Y	4	0.4	0.1	600	7400	740
9	43280	1-Butene	106-98-9	Y	4	0.4	0.1	69	7400	740
10	43217	c-2-Butene	590-18-1	Y	4	0.4	0.1	600	7400	740
11	43242	Cyclopentane	287-92-3	Y	5	0.4	0.08		1190	119
12	43221	Isopentane	78-78-4	Y	5	0.4	0.08		1200	120
13	43220	n-Pentane	109-66-0	Y	5	0.4	0.08		1200	120
14	43218	1,3-Butadiene	106-99-0	Y	4	0.4	0.1		50	5
15	43228	2-Methyl-2-Butene	513-35-9		5	0.4	0.08	250	8000	800
16	43283	Cyclopentene	142-29-0		5	0.4	0.08		2930	293
17	43226	t-2-Pentene	646-04-8	Y	5	0.4	0.08	30	8000	800
18	43282	3-Methyl-1-Butene	563-45-1		5	0.4	0.08	250	8000	800
19	43224	1-Pentene	109-67-1	Y	5	0.4	0.08	30	8000	800
20	43227	c-2-Pentene	627-20-3	Y	5	0.4	0.08	30	8000	800
21	43244	2,2-Dimethylbutane	75-83-2	Y	6	0.4	0.07		1000	100
22	43284	2,3-Dimethylbutane	79-29-8		6	0.4	0.07		1000	100
23	43285	2-Methylpentane	107-83-5		6	0.4	0.07	83	1000	100
24	43230	3-Methylpentane	96-14-0		6	0.4	0.07		1000	100
25	43243	Isoprene	78-79-5	Y	5	0.4	0.08	5	144	14
26	43231	n-Hexane	110-54-3	Y	6	0.4	0.07		500	50
27	43262	Methylcyclopentane	96-37-7	Y	6	0.4	0.07		750	75

28	43247	2,4-Dimethylpentane	108-08-7	Y	7	0.4	0.06		910	91
29	45201	Benzene	71-43-2	Y	6	0.4	0.07		25	1
30	43248	Cyclohexane	110-82-7	Y	6	0.4	0.07	415	1000	100
31	43263	2-Methylhexane	591-76-4	Y	7	0.4	0.06		750	75
32	43291	2,3-Dimethylpentane	565-59-3	Y	7	0.4	0.06		910	91
33	43249	3-Methylhexane	589-34-4	Y	7	0.4	0.06		750	75
34	43250	2,2,4-Trimethylpentane	540-84-1	Y	8	0.4	0.05		750	75
35	43232	n-Heptane	142-82-5	Y	7	0.4	0.06		850	85
36	43261	Methylcyclohexane	108-87-2	Y	7	0.4	0.06		4000	400
37	43252	2,3,4-Trimethylpentane	565-75-3	Y	8	0.4	0.05		750	75
38	45202	Toluene	108-88-3	Y	7	0.4	0.06		500	50
39	43960	2-Methylheptane	592-27-8	Y	8	0.4	0.05		750	75
40	43253	3-Methylheptane	589-81-1	Y	8	0.4	0.05		750	75
41	43233	n-Octane	111-65-9	Y	8	0.4	0.05		750	75
42	45203	Ethyl Benzene	100-41-4	Y	8	0.4	0.05	461	1000	100
43	45109	p-Xylene + m-Xylene		Y	8	0.4	0.05	480	1000	100
44	45220	Styrene	100-42-5	Y	8	0.4	0.05	25	200	20
45	45204	o-Xylene	95-47-6	Y	8	0.4	0.05	1795	1000	100
46	43235	n-Nonane	111-84-2	Y	9	0.4	0.04		2000	200
47	45210	Isopropyl Benzene - Cumene	98-82-8	Y	9	0.4	0.04	100	500	50
48	45209	n-Propylbenzene	103-65-1	Y	9	0.4	0.04		250	25
49	45212	m-Ethyltoluene	620-14-4		9	0.4	0.04		250	25
50	45213	p-Ethyltoluene	622-96-8		9	0.4	0.04		250	25
51	45207	1,3,5-Trimethylbenzene	108-67-8	Y	9	0.4	0.04		250	25
52	45211	o-ethyltoluene	611-14-3		9	0.4	0.04		250	25
53	45208	1,2,4-Trimethylbenzene	95-63-6	Y	9	0.4	0.04		250	25
54	43238	n-Decane	124-18-5	Y	10	0.4	0.04		1750	175
55	45225	1,2,3-Trimethylbenzene	526-73-8	Y	9	0.4	0.04		250	25
56	45218	m-Diethylbenzene	141-93-5		10	0.4	0.04		455	46
57	45219	p-Diethylbenzene	105-05-5		10	0.4	0.04		455	46
58	43954	n-Undecane	1120-21-4		11	0.4	0.04	204	548	54.8
59	43289	t-2-Hexene	4050-45-7		6	0.4	0.07	20	500	50
60	43342	3-Methyl-1-Butene+Cyclopentene			5	0.4	0.08	249	2907	291
61	43257	b-Pinene	127-91-3		10	0.4	0.04	11	201	20
62	43234	4-Methyl-1-Pentene	691-37-2		6	0.4	0.07	30	500	50
63	43245	1-Hexene	592-41-6		6	0.4	0.07	20	500	50
64	43270	Isobutene	115-11-7		4	0.4	0.1	610	7407	741
65	43246	2-Methyl-1-Pentene	763-29-1		6	0.4	0.07	20	500	50
66	43256	a-Pinene	80-56-8		10	0.4	0.04	11	628	63
67	43290	c-2-Hexene	7688-21-3		6	0.4	0.07	20	500	50

Agenda Item - III Project Overview and Status

A. Status of Installation of the Monitoring Sites for Phase I

B. Status of Phase II – Site Operations and Maintenance

PLACE IN THE
BRIEFING BOOK UNDER TAB 2

GENERAL PROJECT INFORMATION

April 21, 2005

Agenda Item - III Project Overview and Status

C. Website Access to Data
i. TCEQ Website

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

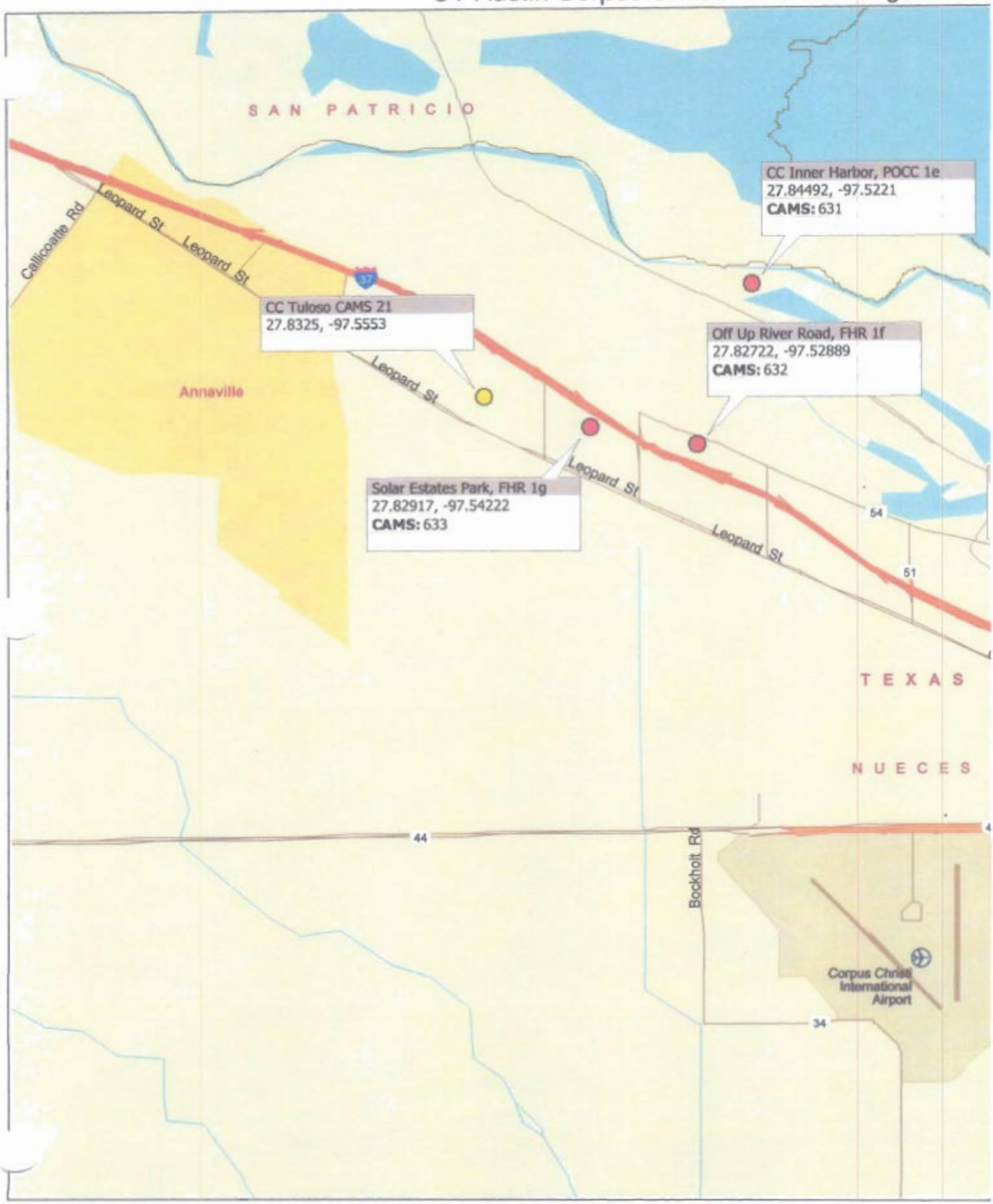
AIR MONITORING DATA AND INFORMATION

April 21, 2005

UT Austin Corpus Christi Air Monitoring ar

rveillance Camera Project Monitoring Sites

UT Austin Corpus Christi Air Monitoring and Su



nce Camera Project and TCEQ Monitoring Sites

BACK TO: Air Quality Data

General Air Pollution and Meteorological Data

Topics:

›› **2005 Air Pollution Events**
Descriptions and analyses of large-scale air pollution events in Texas during 2005.

›› **Air Pollution Data Collected by Automated Gas Chromatographs (AutoGCs)**
Links to ozone and air toxics data collected by the TCEQ's AutoGCs, a description of why this data is collected and how it is used, current web cameras images, and monitoring network and program contact information.

›› **Air Trajectories**
Trajectories that show the movement of air over metropolitan areas of Texas for the past 30 days. Use to better understand the behavior and potential impact of air pollution..

›› **Historical Air Pollutant and Weather Data**
Air pollution and meteorological data from the TCEQ, local Texas monitoring networks and the EPA since 1972.

›› **Hourly Air Pollution Data Sorted by Pollutant**
Search for measurements of particular air pollutants found at TCEQ monitoring sites statewide.

›› **Hourly Air Pollution Data by Day and Month**
Search for air quality data collected on a specific day or during a particular month and at a specific TCEQ air monitoring site.

›› **Real-Time Winds Aloft**
Current measurements of winds in the lower atmosphere, which help determine the movement of air pollution across Texas.

›› **Texas Climatology 1974-2003**
Average precipitation and snowfall, average minimum and maximum temperatures, and highest and lowest temperatures recorded across the state.

›› **Texas Meteorological Satellite Images - GOES**
Geostationary Operational Environmental Satellites images of Texas.

›› **Texas Meteorological Satellite Images - MODIS**
Moderate-resolution Imaging Spectroradiometer (MODIS) satellite images of Texas.

›› **Texas Meteorological Satellite Images - MODIS Cuts**
Moderate-Resolution Imaging Spectroradiometer satellite images of Texas.

›› **Texas Meteorological Satellite Images - POES**
Polar-Operational Environmental Satellites images of Texas.

›› **Web Camera Images of West Texas**

Images showing current visibility, air quality, and meteorological information about th Big Bend, MacDonald Observatory, Guadalupe Mountains National Park, and El Paso.

›› **Wind Roses 1984 - 1992**
Illustrations of wind direction movement at particular Texas cities from 1984 to 1992, used to help predict long term air quality.

Last Modified 12/10/04

BACK TO: PM 2.5 Data: Soot, Dust, Smoke (Particulate Matter)

›› Questions or Comments
monops@tceq.state.tx.u

Hourly Air Pollution Data by Day and Month

Daily Hourly Data:

- List
- Map

Monthly Hourly Data:

- List
- Map

Data by Day by Site (all parameters)

Use this form to retrieve hourly data collected at TCEQ air and water monitoring stations. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server after 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Saving Time, this introduces another apparent one-hour time lag in the data.

Select a date:

Use the buttons below to select which date you want reported.

Today
Yesterday
or
User Specified
April 20 2005

Select a monitoring site:

View hourly averages for all the pollutants and meteorological conditions measured by the TCEQ at each monitoring site. Select the monitoring site you are interested in from the list below. All data that is collected at that monitoring site will be displayed. Please note that not all parameters are measured at all sites.

CAMS 629 Port Grain Elevator C629

Select a time format:

Choose to have the report generated in either an AM/PM format or in a 24-hour format. This time format only affects the labeling in the table header and not the report contents. The report is always generated in Local Standard Time (LST) for each reporting station.

AM/PM Format
24 Hour Format

Once you have made your selections above, click on the Generate Report button. You may use the Reset to Defaults button to clear selections you have made.

Reset to Defaults Generate Report

Index| Agency| Search| Home

Comments | Webmaster | Disclaimer

Last Modified: April 20, 2005

Texas Natural Resource Conservation Commission

Port Grain Elevator C629 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Port Grain Elevator C629. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server after 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Saving Time, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Month:	Day:	Year:	Time Format:	
April	18	2005	12 Hour (AM/PM)	Generate Report

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Port Grain Elevator C629 for **Monday, April 18, 2005**. All times shown are in Central Standard Time.

Parameter Measured	Morning												Afternoon												Parameter Measured
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Sulfur Dioxide	0.8	0.5	0.1	0.2	0.3	0.5	0.9	1.4	1.7	1.6	1.0	2.1	2.1	2.6	2.5	1.7	0.4	**3.1**	2.4	CAL	CAL	CAL	1.6	0.7	Sulfur Dioxide
Hydrogen Sulfide	0.4	0.3	0.2	0.4	0.5	0.3	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.1	CAL	CAL	CAL	CAL	CAL	**0.7**	0.6	0.5	0.6	0.5	Hydrogen Sulfide
Wind Speed	6.3	5.7	5.4	4.6	4.5	5.4	5.5	7.3	8.3	**14.2**	13.9	13.1	11.2	12.3	12.2	11.0	11.1	11.1	12.7	10.3	9.1	7.8	6.6	7.6	Wind Speed
Resultant Wind Speed	5.0	4.5	4.2	3.6	3.9	4.6	4.4	6.5	7.1	**13.3**	12.8	12.4	10.3	11.7	11.8	10.6	10.8	10.6	12.1	9.1	8.0	6.5	5.4	6.4	Resultant Wind Speed
Resultant Wind Direction	132	126	138	143	115	112	120	109	114	103	106	104	107	103	104	107	108	106	103	114	116	135	136	**150**	Resultant Wind Direction
Maximum Wind Gust	15.0	13.0	11.9	10.8	10.3	11.4	11.7	16.4	18.3	24.5	**26.5**	22.8	19.1	20.3	20.4	19.0	20.0	18.9	21.3	23.2	19.2	18.2	16.3	19.3	Maximum Wind Gust
Std. Dev. Wind Direction	**38**	37	38	36	30	30	36	26	31	20	22	20	22	18	16	16	14	18	17	28	29	34	34	31	Std. Dev. Wind Direction
Outdoor Temperature	71.5	71.3	71.1	70.4	70.4	71.3	71.7	72.3	73.5	74.9	74.6	**75.5**	74.3	74.4	74.6	75.5	75.2	74.3	73.1	72.5	72.1	71.9	71.6	71.6	Outdoor Temperature
Relative Humidity	74.8	75.3	75.6	78.5	**79.2**	77.2	76.6	75.9	73.1	68.6	68.5	65.7	68.3	67.6	66.6	63.8	65.1	67.9	71.3	72.3	73.5	74.5	76.2	77.3	Relative Humidity
Methane	1866.68	1859.38	1879.38	1869.22	1854.12	1875.73	1859.73	1878.71	**1891.77**	CAL	CAL	CAL	QAS	QAS	1870.18	1865.77	1865.16	1856.79	1840.63	1829.89	1835.31	1839.45	1842.48	1846.27	Methane
Total Non-Methane Organic Compounds	15.64	10.48	37.36	45.02	15.56	4.49	21.14	13.55	21.86	QAS	QAS	CAL	CAL	CAL	2.86	48.97	29.74	8.19	5.45	13.24	1.52	23.65	35.36	**74.74**	Total Non-Methane Organic Compounds
Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Parameter Measured
	Morning												Afternoon												

Maximum values for each parameter are **bold** within the table.

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

Texas Natural Resource Conservation Commission

Rules | Calendar | Publications | Forms | About TNRCC | Help

Port Grain Elevator C629 Data by Site by Date (all parameters)

Use this form to retrieve hourly data collected at Port Grain Elevator C629. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server after 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Saving Time, this introduces another apparent one-hour time lag in the data.

Use the controls below to select a different date or time format. Click on the Generate Report button once you have made your selections.

Month:	Day:	Year:	Time Format:	
April	18	2005	12 Hour (AM/PM)	Generate Report

The table below contains hourly averages for all the pollutants and meteorological conditions measured at Port Grain Elevator C629 for **Monday, April 18, 2005**. All times shown are in Central Standard Time.

Parameter Measured	Morning												Afternoon						
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00
Sulfur Dioxide	0.8	0.5	0.1	0.2	0.3	0.5	0.9	1.4	1.7	1.6	1.0	2.1	2.1	2.6	2.5	1.7	0.4	3.1	2.4
Hydrogen Sulfide	0.4	0.3	0.2	0.4	0.5	0.3	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.1	CAL	CAL	CAL	CAL	CAL
Wind Speed	6.3	5.7	5.4	4.6	4.5	5.4	5.5	7.3	8.3	14.2	13.9	13.1	11.2	12.3	12.2	11.0	11.1	11.1	12.7
Resultant Wind Speed	5.0	4.5	4.2	3.6	3.9	4.6	4.4	6.5	7.1	13.3	12.8	12.4	10.3	11.7	11.8	10.6	10.8	10.6	12.1
Resultant Wind Direction	132	126	138	143	115	112	120	109	114	103	106	104	107	103	104	107	108	106	103
Maximum Wind Gust	15.0	13.0	11.9	10.8	10.3	11.4	11.7	16.4	18.3	24.5	26.5	22.8	19.1	20.3	20.4	19.0	20.0	18.9	21.3

Port Grain Elevator C629 Data by Site by Date

Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon
	Morning												
Std. Dev. Wind Direction	**38**	37	38	36	30	30	36	26	31	20	22	20	22
Outdoor Temperature	71.5	71.3	71.1	70.4	70.4	71.3	71.7	72.3	73.5	74.9	74.6	**75.5**	74.3
Relative Humidity	74.8	75.3	75.6	78.5	**79.2**	77.2	76.6	75.9	73.1	68.6	68.5	65.7	68.3
Methane	1866.68	1859.38	1879.38	1869.22	1854.12	1875.73	1859.73	1878.71	**1891.77**	CAL	CAL	CAL	QAS
Total Non-Methane Organic Compounds	15.64	10.48	37.36	45.02	15.56	4.49	21.14	13.55	21.86	QAS	QAS	CAL	CAL

Maximum values for each parameter are **bold** within the table.

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not off Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is Standard Time.

Last Modified: April 20, 2005

Hour Hour

Texas Natural Resource Conservation Commission

Port Grain Elevator C629

CAMS 629 Port Grain Elevator C629 Select a

- EPA site number: 48-355-0036
- State: Texas
- County: Nueces
- City: Corpus Christi
- Address: 2001B East Navigation Blvd.
- Site coordinates:
  - Latitude: 27° 49' 03" North (+27.817500°)
  - Longitude: 97° 25' 11" West (-97.419722°)
  - Elevation: 12 m (39 ft)
- Maintained by: Air Quality Solutions for the University of Texas

Area Map	Wide aerial photo not available	Overall site view not available	Closeup aerial photo not available	Street level
Northwest	North			Northeas
West				East
Southwest	South			Southeas

Current Measurements at Port Grain Elevator C629

Monthly Summary Report for Parameters at Port Grain Elevator C629

- Real-time monitoring since: Wednesday, December 1, 2004
- Current status: Active
- Parameters currently being monitored:
  - Pollution parameters:
    - Sulfur Dioxide
    - Hydrogen Sulfide
    - Total Non-Methane Organic Compounds
    - Methane
  - Meteorological parameters:
    - Wind Speed
    - Resultant Wind Speed

- Resultant Wind Direction
- Maximum Wind Gust
- Standard Deviation of Horizontal Wind Direction
- Outdoor Temperature
- Relative Humidity

Index| Agency| Search| Home

Comments | Webmaster | Disclaimer

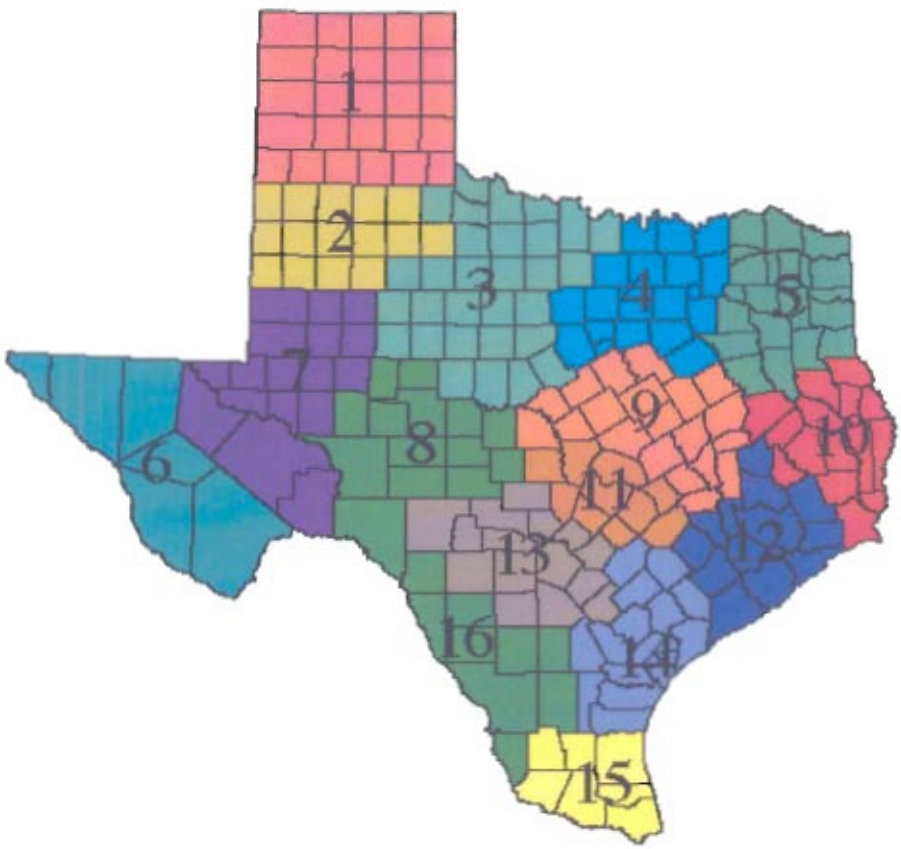
Last Modified: April 20, 2005

Texas Natural Resource Conservation Commission

Daily Summary Report By Site

The TCEQ now offers continuous air monitoring data from stations located in all areas of the state except for Region 3 (Abilene), Region 8 (San Angelo), and Region 9 (Waco). There are currently no continuous air monitoring sites in these regions.

Select a region from the map below to retrieve a daily summary of hourly data collected at TCEQ's (and other select monitoring entities) continuous air monitoring stations. These monitoring stations continuously sample the atmosphere (one sample per second), and every five minutes an average of all the one-second samples collected is calculated for each parameter monitored. Hourly averages are then calculated from these five-minute averages.



Although this is the most current data, it is not considered official until it has been certified by the TCEQ (or other responsible entity) technical staff. This web page does not present data from all TCEQ continuous air monitoring stations prior to June 1998 or from other monitoring entities before January 2000. Data from all TCEQ continuous air monitoring stations is available through this web page for dates after June 1998. Only data from monitoring entities that are partnered with the TCEQ is available via this web page. This information is updated hourly.

See Also:

AQI Report (Daily Peak Air Pollutant Levels)

Air Pollution and Weather Data (Real-Time)

Animated Ozone Concentrations in Texas

ail Notification Signup

Map of Current Ozone Levels

Ozone Action Day Forecasts

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements take from noon to 1:00 p.m.. The noon average will not be calculated until after 1:00 p.m.. The noon average will be then be available on our external server after 1:30 p.m.. This results in an apparent one hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Savings, this introduces another apparent one hour time lag in the data.

Index| Agency| Search| Home

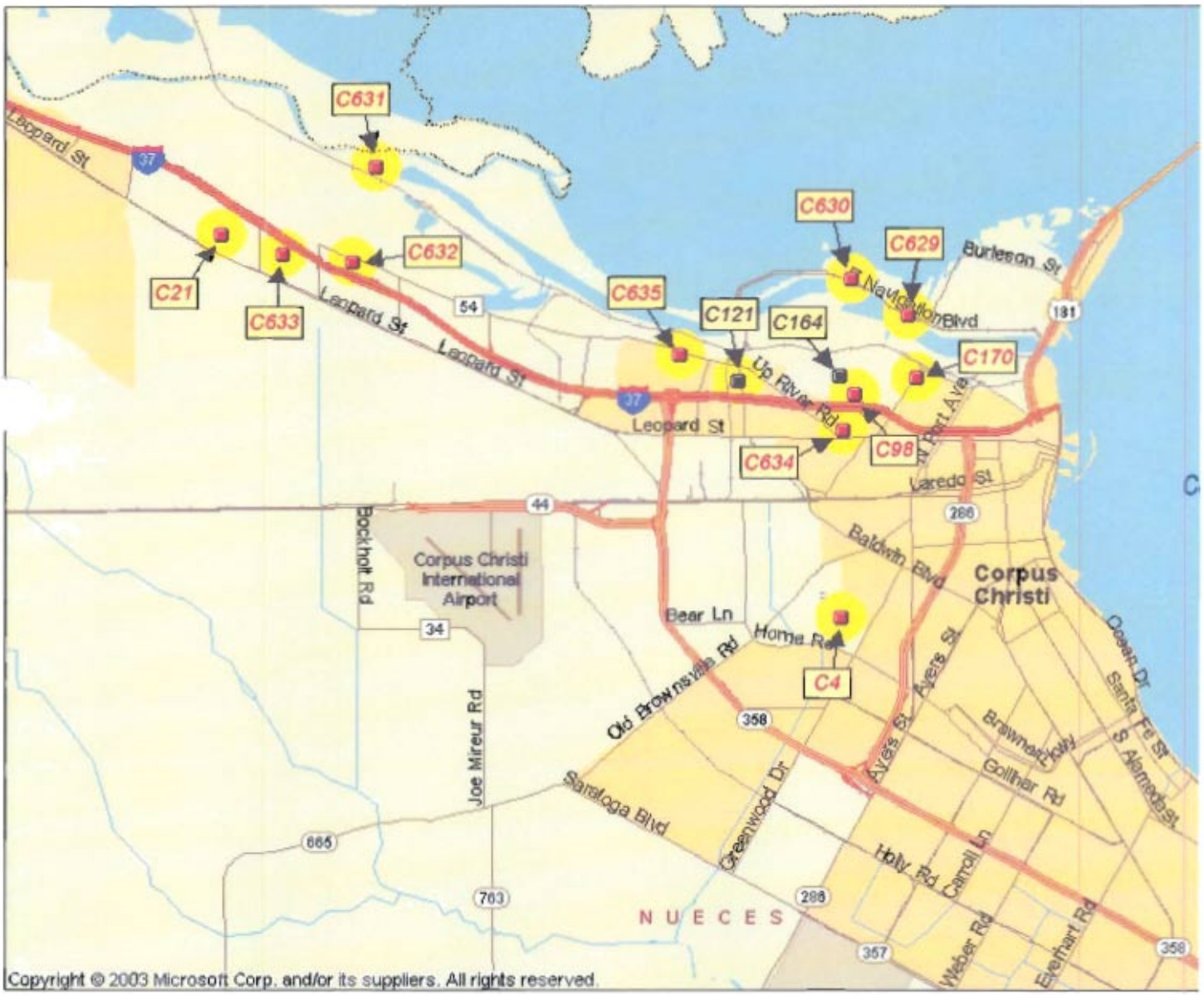
Comments | Webmaster | Disclaimer

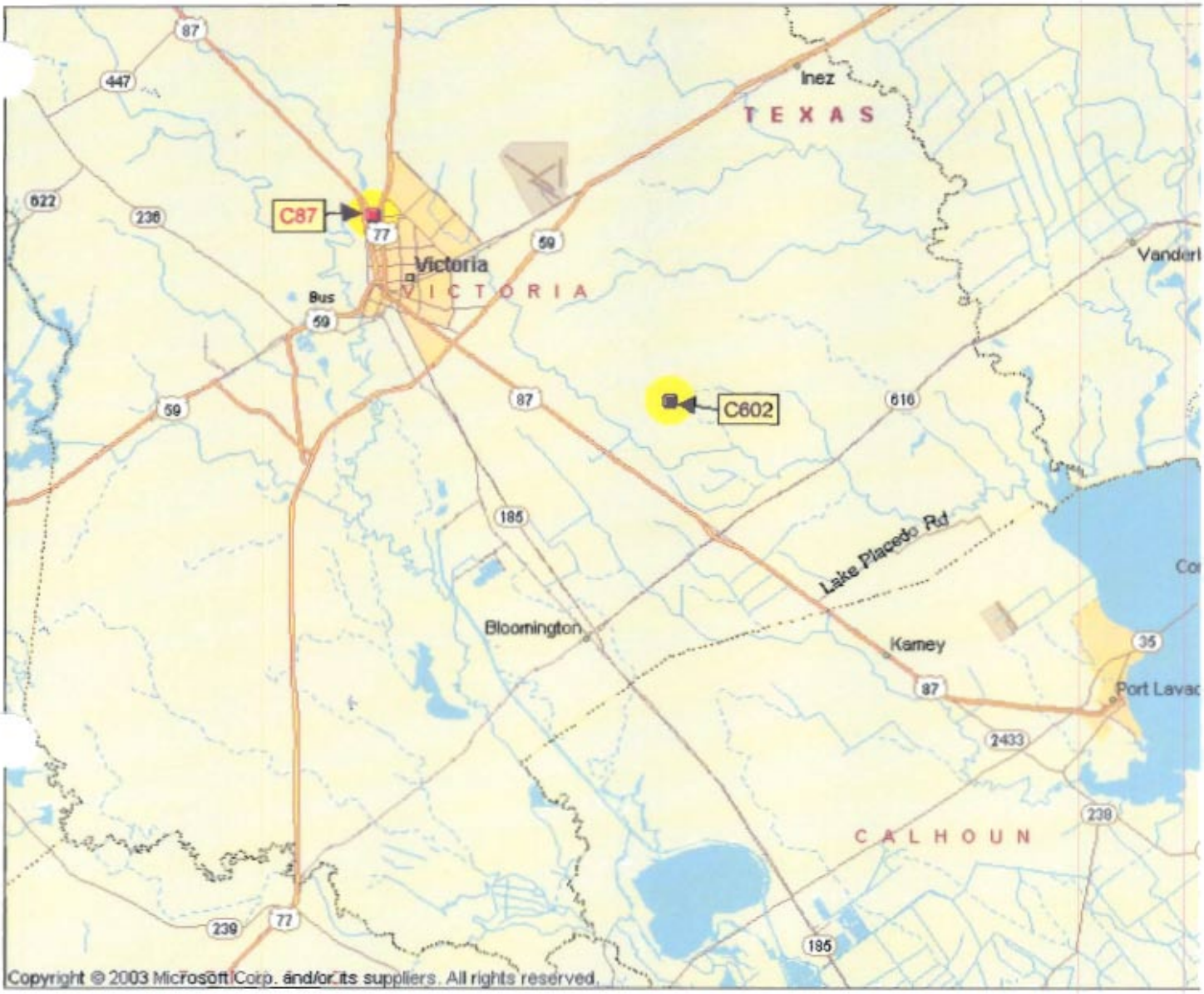
Last Modified: April 19, 2005

Texas Natural Resource Conservation Commission

Select a Monitoring Site in Region 14 (Corpus Christi)

Select a monitoring site from the map(s) below to retrieve a daily summary of the hourly data collected at a specific continuous air monitoring station.




87
447
622
236
C87
77
Victoria
VICTORIA
Bus
59
Inez
TEXAS
Vanderl
C602
616
185
Lake Placedo Rd
Bloomington
Karney
35
Port Lavac
2433
238
CALHOUN
239
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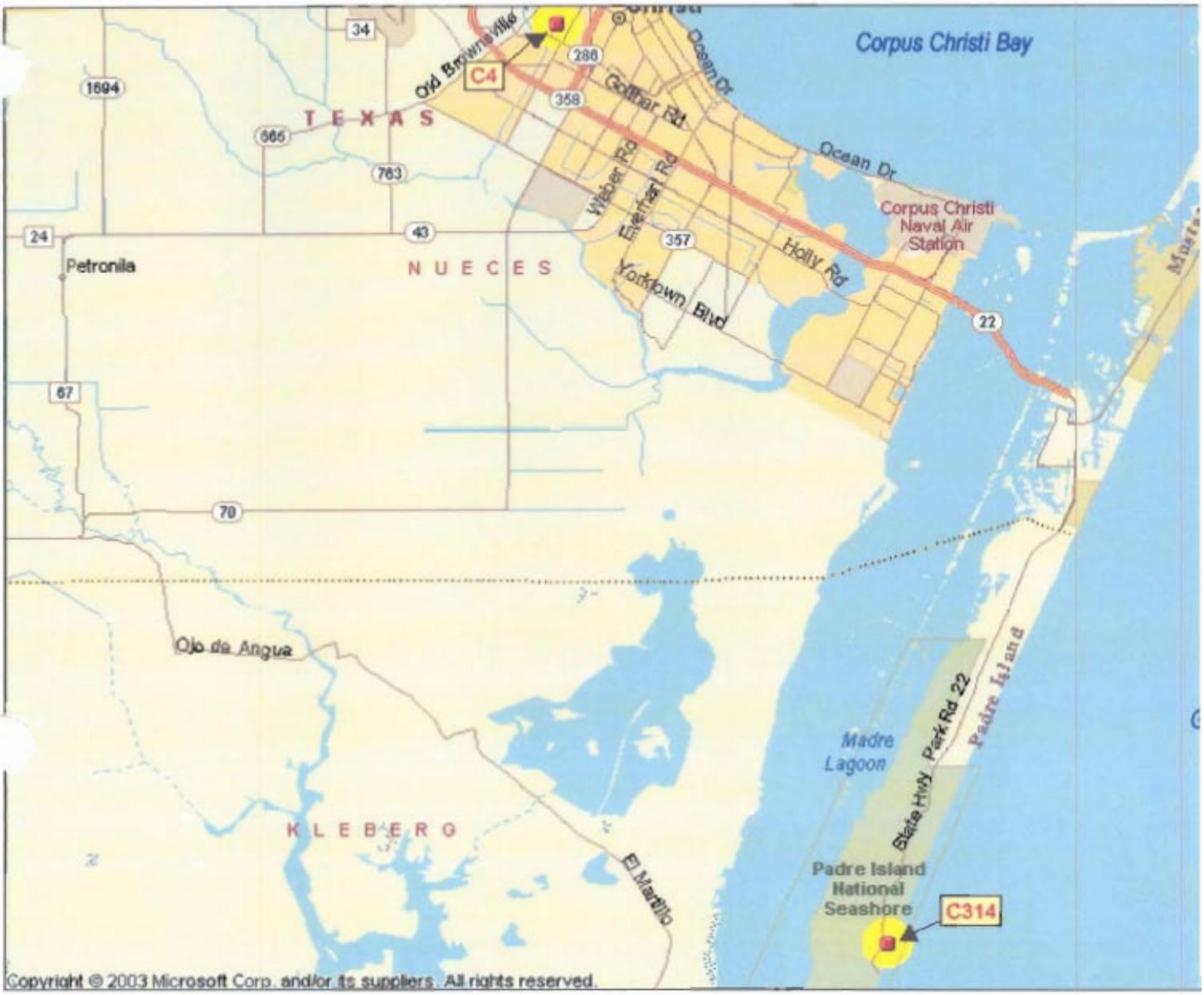

- Red station numbers and symbols indicate currently active sites.
- Black station numbers and symbols indicate de-activated sites. Historical data is available for these sites.
- Yellow highlighted sites indicate there is continous Air Quality data available at the site.
- Stations numbered 1 through 300 are operated and maintained by the TCEQ.
- Stations numbered 400 through 499 are operated and maintained by one or more local Government entities (city or county).
- Stations numbered 600 through 699 are operated and maintained by one or more private monitoring networks.

Return to Map of Texas

Index| Agency| Search| Home

Comments | Webmaster | Disclaimer

Last Modified: April 19, 2005

Texas Natural Resource Conservation Commission

Data by Month by Site by Parameter

Use this form to retrieve monthly summaries of hourly average data collected at TNRCC continuous air and water monitoring stations. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m. The noon average will not be calculated until after 1:00 p.m. The noon average will then be available on our external server after 1:30 p.m. This results in an apparent one-hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Savings, this introduces another apparent one-hour time lag in the data.

Select a month:

March 2005

Select a monitoring site:

v monthly summaries of the hourly averages for all the pollutants and meteorological conditions measured by the TNRCC at your selected monitoring site. Select the monitoring site you are interested in from the list below. All data that is collected at that monitoring site will be displayed. Please note that the site you select may not monitor all of the parameters in the parameter list.

CAMS 629 Port Grain Elevator C629

Select a Parameter:

Please note that not all parameters listed below may be measured at the site you selected above. Select a pollutant or a meteorological parameter.

Sulfur Dioxide measured in parts per billion

Generate Report

Advanced Reporting Options

Select a time format:

Choose to have the report generated in either an AM/PM format or in a 24-hour format. This time format only affects the labeling in the table header and not the report contents. The report is always generated in Local Standard Time (LST) for each reporting station.

AM/PM Format
24 Hour Format

Select a report format:

Use the buttons below to select a report format. You may select to view the monthly summary in either a tabular format (web-page formatted table) or as a comma-delimited file. If you want to cut and paste data from this web page into another application, such as a spreadsheet, select the comma-delimited format.

Tabular (Web Formatted)
Comma-Delimited

Advanced output options:

Use the buttons below to select additional statistical information about the pollutant or meteorological parameter you selected above.

Select one of the options below:

Full Statistics - include all statistical parameters (see list below).
Minimal Statistics - only inlude the maximum hourly average and the second highest hourly average.
No Statistics - suppress all statistical output.
User Selected Statistics - select which statistical parameters you want to view below.

- ☑ Include Max - Maximum hourly average for a given day (month)
- ☑ Include SH - Second highest hourly average for a given day (month)
- ☑ Include Min - Minimum hourly average for a given day (month)
- ☑ Include Avg - The mean or average value of all hourly averages for a given day (month)
- ☑ Include STD - The standard deviation (1/N method) of the hourly averages from the mean for a given day (month)
- ☑ Include Cap - The calculated capture rate based on number of valid hourly averages divided by sample interval - either a day or a month

Reset to Defaults Generate Report

h

CAMS 629 Monthly Sulfur Dioxide Summary for March 2005

Use the controls below to select a different month or parameter. Click on the Generate Report button once you have made your selections.

Select a date: March 2005 | Select a Parameter: Sulfur Dioxide in parts per billion | Generate Report

Day	Morning												Afternoon														
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Mj
1	4.3	6.6	2.5	1.7	1.6	4.0	3.2	3.0	5.0	4.6	6.6	19.9	15.4	22.2	4.1	3.2	7.6	3.3	8.3	2.6	2.4	1.8	1.6	1.4	22.2	19.9	1.4
2	1.2	1.2	1.1	1.2	1.1	1.0	1.0	1.2	1.6	2.4	2.0	1.9	1.7	2.5	1.4	1.4	2.5	2.1	1.6	1.1	1.1	0.7	0.4	0.4	2.5	2.5	0.4
3	0.3	0.3	0.6	0.6	0.4	0.4	0.5	0.7	0.7	0.6	QAS	QAS	QAS	QAS	QAS	1.0	1.1	0.2	0.4	0.7	2.5	0.4	0.2	0.3	2.5	1.1	0.3
4	0.3	CAL	CAL	0.2	0.1	0.0	0.1	0.0	0.2	1.0	2.8	2.1	1.6	3.4	3.3	4.3	13.3	10.6	5.9	1.5	3.4	3.7	2.1	1.5	13.3	10.6	0.0
5	1.4	0.9	1.0	1.5	2.1	1.3	1.0	1.2	1.5	1.9	3.7	2.3	1.6	2.7	2.1	1.4	1.2	1.0	0.7	SPN	0.1	0.0	0.0	0.0	3.7	2.7	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	1.0	0.3	0.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.2	1.8	1.5	0.0
7	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.9	0.9	0.2	1.9	2.5	1.6	1.5	1.1	1.2	0.4	0.6	0.6	1.3	3.3	2.3	2.1	1.4	3.3	2.5	0.0
8	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.9	3.0	2.9	3.0	QAS	QAS	3.3	3.2	5.2	2.7	1.6	1.4	1.6	5.2	3.3	0.0
9	4.7	4.3	2.2	2.0	5.5	3.6	2.2	4.2	2.4	2.2	1.7	2.4	1.7	2.1	3.3	2.2	2.2	2.1	3.3	3.0	2.1	1.8	1.3	1.3	5.5	4.7	1.2
10	2.2	1.5	1.5	1.4	1.6	1.7	4.0	7.6	12.0	23.3	18.2	16.2	16.9	12.8	11.3	8.2	7.5	7.2	6.1	5.6	5.3	4.6	4.2	3.8	23.3	18.2	1.4
11	3.7	3.7	3.8	4.7	8.2	14.5	8.3	5.6	5.3	5.9	5.4	4.7	4.6	4.1	5.0	4.4	3.9	5.3	4.4	4.5	4.6	3.9	3.5	4.1	14.5	8.3	3.2
12	4.9	5.6	9.3	11.1	12.2	9.4	8.1	8.6	12.5	15.6	11.5	9.6	9.3	8.9	7.8	6.2	5.7	5.5	5.2	SPN	0.2	0.0	0.0	0.0	15.6	12.5	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.8	3.0	4.5	6.5	9.4	8.2	4.2	3.2	2.7	2.7	3.0	2.7	1.6	1.0	0.3	0.0	9.4	8.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	1.5	0.9	1.2	1.0	0.0	0.0	0.0	2.3	1.5	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	6.6	19.3				43.5	31.5	13.7	43.5	31.5	0.0

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Max	SH	Mi
	Morning												Afternoon														
20	0	.0	0.0	FEW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.(	.0	0.0	0.0	0.0	0.0	0.0	3.0	0.1	0.0	0.0	16.7	16.7		0.(
21	42.4	16.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.4	16.3	0.(
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.(
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	CAL	CAL	0.6	0.7	1.8	3.6	1.8	0.(
24	0.7	0.0	0.0	0.4	0.0	0.0	0.0	4.1	11.4	5.3	0.9	0.0	1.8	3.2	4.0	2.2	0.5	1.6	2.3	1.0	1.2	0.9	0.8	1.7	11.4	5.3	0.(
25	2.0	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.0	0.0	0.0	2.0	0.5	0.(
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.1	2.3	3.9	2.0	SPN	1.0	0.8	0.0	0.0	3.9	2.3	0.(
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.(
28	0.0	0.0	0.0	7.3	27.5	27.1	13.1	39.1	22.1	9.3	3.7	1.9	1.5	1.3	1.3	1.8	1.6	0.8	0.5	0.1	0.2	0.3	0.0	0.0	39.1	27.5	0.(
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.(
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	1.1	0.0	0.2	0.8	1.3	1.2	1.4	1.4	1.1	1.1	0.9	1.4	1.4	0.(
31	1.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	1.6	1.1	0.7	1.0	0.8	0.8	0.9	0.1	0.4	0.3	1.6	1.1	0.(

Maximum values for each day are highlighted within the table.

Sulfur Dioxide is measured in parts per billion

CAMS 629 Sulfur Dioxide Monthly Statistics for March 2005					
Max	SH	Min	Avg	STD	Cap
43.5 ppb	42.4 ppb	0.0 ppb	1.91 ppb	4.50	97.6%
March 19 9:00 pm	March 21 Mid	March 4 5:00 am	-- -- -- --	-- -- -- --	-- -- -- --

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies.

Index| Agency| Search| Home

Comments | Webmaster | Disclaimer

Last Modified: April 19, 2005

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BACK TO: Air Quality Data

General Air Pollution and Meteorological Data

Topics:

›› **2005 Air Pollution Events**
Descriptions and analyses of large-scale air pollution events in Texas during 2005.

›› **Air Pollution Data Collected by Automated Gas Chromatographs (AutoGCs)**
Links to ozone and air toxics data collected by the TCEQ's AutoGCs, a description of why this data is collected and how it is used, current web cameras images, and monitoring network and program contact information.

›› **Air Trajectories**
Trajectories that show the movement of air over metropolitan areas of Texas for the past 30 days. Use to better understand the behavior and potential impact of air pollution..

›› **Historical Air Pollutant and Weather Data**
Air pollution and meteorological data from the TCEQ, local Texas monitoring networks and the EPA since 1972.

›› **Hourly Air Pollution Data Sorted by Pollutant**
Search for measurements of particular air pollutants found at TCEQ monitoring sites statewide.

›› **Hourly Air Pollution Data by Day and Month**
Search for air quality data collected on a specific day or during a particular month and at a specific TCEQ air monitoring site.

›› **Real-Time Winds Aloft**
Current measurements of winds in the lower atmosphere, which help determine the movement of air pollution across Texas.

›› **Texas Climatology 1974-2003**
Average precipitation and snowfall, average minimum and maximum temperatures, and highest and lowest temperatures recorded across the state.

›› **Texas Meteorological Satellite Images - GOES**
Geostationary Operational Environmental Satellites images of Texas.

›› **Texas Meteorological Satellite Images - MODIS**
Moderate-resolution Imaging Spectroradiometer (MODIS) satellite images of Texas.

›› **Texas Meteorological Satellite Images - MODIS Cuts**
Moderate-Resolution Imaging Spectroradiometer satellite images of Texas.

›› **Texas Meteorological Satellite Images - POES**
Polar-Operational Environmental Satellites images of Texas.

›› **Web Camera Images of West Texas**
Images showing current visibility, air quality, and meteorological information about th Big Bend, MacDonald Observatory, Guadalupe Mountains National Park, and El Paso.

Last Modified 12/10/04

BACK TO: General Air Pollution and Meteorological Data

›› Questions or Comments
monops@tceq.state.tx.u

Air Pollution Data Collected by Automated Gas Chromatographs (AutoGCs)

Information about why the TCEQ monitors for these compounds

- **Ozone precursors** - VOCs along with oxides of nitrogen, and solar (UV) radiation are key components in ozone formation. Individual VOCs can vary greatly in concentration and their reactivity (i.e., potential to form ozone). A key component in studying the dynamics of ozone formation in a given geographic area is the determination of the spatial and temporal variability, composition, and concentration of these individual VOCs. These data can then be used to help target control strategies to minimize ozone formation, especially if VOCs are determined to be the limiting factor in ozone formation reactions. TCEQ operates Photochemical Assessment Monitoring Stations (PAMS) as a partner in this national monitoring effort.

  AutoGC analysis can measure ambient levels of a number of VOCs which are of interest from an ozone formation standpoint even when their concentrations are too low to cause direct health effects. These VOCs include the highly reactive VOCs (HRVOCs) that the TCEQ has identified as major contributors to ozone formation in the Houston area. These HRVOCs are: ethylene, propylene, 1,3-butadiene, and butenes (c-2-butene, t-2-butene, and 1-butene). These data are made available to TCEQ modelers, policy makers, EPA, local industries and the public.

- **Air Toxics** - There are currently 188 hazardous air pollutants (HAPS), or air toxics, regulated under the Clean Air Act (CAA) that have been associated with a wide variety of adverse health effects. A subset of the 188 toxics thought to have the greatest impact on the public and the environment in urban areas has been identified as the Urban Air Toxics Strategy compounds of interest. This subset of 33 compounds includes volatile organics, semivolatile organics, and metals. Two of the six compounds identified as the risk drivers in the strategy, benzene and 1,3-butadiene, are volatile organics which are amenable to AutoGC analysis. Data for these two target compounds as well as all other target compounds from this analysis are forwarded to TCEQ Toxicology Section to identify any potential health impacts that might be associated with exposure to the measured concentrations.

Limitations

AutoGCs are designed to collect data at a given sampling location over time. These instruments can be configured to automatically provide speciation data for 1 to over 55 targeted VOCs. However, the more extensive the list of compounds the more difficult it becomes to ensure that any single compound is correctly identified and quantitated at the time of initial data capture. Changes to compound identification and concentration are not uncommon during this validation process. Therefore, it is vital that the data user is aware of the high degree of uncertainty in the

unvalidated data and any actions or decisions based on unvalidated data should be made with this in mind.

Contact information

- Health impacts - Toxicology Section - tox@tceq.state.tx.us
- Measurement technology - Monitoring Operations Division - monops@tceq.state.tx.us
- Data availability/problems - contact site owner/operator
- Requests for additional monitoring data - Monitoring Operations Division - monops@tceq.state.tx.us
- Data validation or errors - contact site owner/operator
- Ozone precursors - Air Quality Planning- aqp@tceq.state.tx.us
- To report an environmental problem

AutoGC Data by Day by Site (all parameters)

Use this form to retrieve hourly data collected at TCEQ Automatic Gas Chromatograph (AutoGC) monitoring stations. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m.. The noon average will not be calculated until after 1:00 p.m.. The noon average will be then be available on our external server after 1:30 p.m.. This results in an apparent one hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Savings, this introduces another apparent one hour time lag in the data.

Select a date: Use the buttons below to select which date you want reported.

Today (April 20, 2005)
Yesterday (April 19, 2005)
or
Specify a date
January 1 2005

Select a Site: View hourly averages for any or all compounds measured at any AutoGC site. Select the site you are interested in from the list below. The compounds you select below will be shown at the selected monitoring site (if that site measures the parameter you select). Please note that not all parameters are measured at all sites.

Oak Park [32] ppb-Volume ppb-Carbon
Report Format: Tabular (webified) Comma-delimited

Once you have made your selections above, click on the Generate Report button.

Generate Report

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]

- [x] Acetylene [P] *
- [x] t-2-Butene [P] *
- [x] 1-Butene [P] *
- [x] c-2-Butene [P] *
- [x] Cyclopentane [P] *
- [x] Isopentane [P] *
- [x] n-Pentane [P] *
- [x] 1,3-Butadiene [P] *
- [x] 2-Methyl-2-Butene [P]
- [x] Cyclopentene [P]
- [x] t-2-Pentene [P] *
- [x] 3-Methyl-1-Butene [P]
- [x] 1-Pentene [P] *
- [x] c-2-Pentene [P] *
- [x] 2,2-Dimethylbutane [P] *
- [x] 2,3-Dimethylbutane [P]
- [x] 2-Methylpentane [P]
- [x] 3-Methylpentane [P]
- [x] Isoprene [P] *
- [x] n-Hexane [BP] *
- [x] 3-Methylhexane [BP] *
- [x] 2,2,4-Trimethylpentane [BP] *
- [x] n-Heptane [BP] *
- [x] Methylcyclohexane [BP] *
- [x] 2,3,4-Trimethylpentane [BP] *
- [x] Toluene [BP] *
- [x] 2-Methylheptane [BP] *
- [x] 3-Methylheptane [BP] *
- [x] n-Octane [BP] *
- [x] Ethyl Benzene [BP] *
- [x] p-Xylene + m-Xylene [BP] *
- [x] Styrene [BP] *
- [x] o-Xylene [BP] *
- [x] n-Nonane [BP] *
- [x] Isopropyl Benzene - Cumene [BP] *
- [x] n-Propylbenzene [BP] *
- [x] m-Ethyltoluene [BP]
- [x] p-Ethyltoluene [BP]
- [x] 1,3,5-Trimethylbenzene [BP] *
- [x] o-ethyltoluene [BP]
- [x] t-2-Hexene [BP]
- [x] 3-Methyl-1-Butene+Cyclopentene [P]
- [x] b-Pinene [BP]
- [x] 4-Methyl-1-Pentene [P]
- [x] 1-Hexene [P]
- [x] Isobutene [P]
- [x] 2-Methyl-1-Pentene [P]
- [x] a-Pinene [BP]
- [x] c-2-Hexene [BP]
- [ ] Wind Speed
- [ ] Resultant Wind Speed
- [ ] Resultant Wind Direction

* - Target Compounds effective April 1998

Generate Report

Reset to Defaults

Index| Agency| Search| Home

Comments | Webmaster | Disclaimer

Last Modified: April 20, 2005

Oak Park [32] Daily Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a date: April 19 2005 **Select a Site:** Oak Park [32] **Measured in:** ppb-Volume ppb-Carbon

Report Format: Tabular (webified) Comma-delimited

Generate Report

The table below contains hourly averages for **Tuesday, April 19, 2005**. All times shown are in Local Standard Time.

Parameter	Morning												Afternoon												Param
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	11:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
Ethane	ST	BL	2.11	2.31	7.89	23.65	2.56	2.49	2.21	2.11	2.02	2.04	1.88	1.76	2.02	2.82	5.62	6.51	7.70	6.74	9.65	8.81	4.07	2.31	Ethane
Ethylene	ST	BL	0.00	0.14	0.35	1.21	1.31	1.44	0.97	0.60	0.49	0.67	0.65	0.47	0.75	1.08	0.61	0.46	0.67	0.48	0.62	0.42	0.43	0.00	Ethylene
Propane	ST	BL	0.59	0.53	5.68	21.04	1.02	1.06	0.78	2.18	0.65	1.80	0.66	0.53	0.86	1.49	4.23	4.73	6.71	4.84	7.42	6.52	2.20	0.78	Propane
Propylene	ST	BL	0.18	0.26	0.29	0.75	0.74	0.85	0.56	0.50	0.38	0.45	0.41	0.33	0.46	0.51	0.40	0.35	0.45	0.37	0.43	0.37	0.28	0.24	Propylene
Isobutane	ST	BL	0.45	0.66	2.53	9.92	0.94	1.06	0.76	1.38	0.61	0.99	0.71	0.54	0.87	1.16	2.19	2.24	3.60	2.28	3.65	3.22	1.12	0.45	Isobutane
n-Butane	ST	BL	1.63	2.39	3.06	8.84	3.28	3.06	2.50	5.33	1.79	2.63	2.04	2.14	4.02	3.42	3.13	2.53	5.98	2.65	3.75	4.67	1.65	1.00	n-Butane
Acetylene	ST	BL	0.24	0.25	0.36	0.78	0.92	0.98	0.66	0.50	0.44	0.49	0.49	0.41	0.55	1.18	0.46	0.40	0.42	0.39	0.41	0.36	0.32	0.32	Acetylene
t-2-Butene	ST	BL	0.00	0.00	0.00	0.11	0.14	0.17	0.12	0.24	0.09	0.11	0.12	0.11	0.18	0.17	0.10	0.07	0.18	0.00	0.10	0.17	0.00	0.00	t-2-Butene
1-Butene	ST	BL	0.00	0.00	0.00	0.15	0.16	0.17	0.17	0.16	0.09	0.11	0.10	0.09	0.15	0.14	0.09	0.00	0.17	0.00	0.12	0.10	0.00	0.00	1-Butene
c-2-Butene	ST	BL	0.00	0.07	0.00	0.15	0.12	0.11	0.10	0.18	0.07	0.00	0.10	0.08	0.16	0.14	0.09	0.00	0.17	0.00	0.09	0.12	0.00	0.00	c-2-Butene
Cyclopentane	ST	BL	0.28	0.31	0.30	0.41	0.38	0.39	0.35	0.53	0.47	0.50	0.51	0.52	0.62	0.61	0.54	0.48	0.53	0.38	0.35	0.37	0.31	0.28	Cyclopenta
Isopentane	ST	BL	2.23	3.39	3.08	6.66	4.65	4.37	3.66	6.48	3.30	3.89	3.72	3.87	6.06	5.62	4.36	3.21	5.36	3.24	3.85	5.02	2.48	1.84	Isopentane
n-Pentane	ST	BL	0.92	1.29	1.34	3.08	1.77	1.71	1.41	2.47	1.32	1.56	1.45	1.54	2.42	2.36	1.85	1.47	2.13	1.39	1.60	1.87	1.05	0.79	n-Pentane
1,3-Butadiene	ST	BL	0.00	0.00	0.00	0.13	0.11	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,3-Butadie
t-2-Pentene	ST	BL	0.09	0.14	0.10	0.19	0.20	0.23	0.17	0.34	0.12	0.17	0.14	0.14	0.34	0.29	0.15	0.07	0.22	0.11	0.10	0.18	0.09	0.00	t-2-Pentene
1-Pentene	ST	BL	0.00	0.00	0.00	0.11	0.09	0.12	0.11	0.15	0.00	0.09	0.00	0.09	0.14	0.13	0.06	0.00	0.11	0.00	0.00	0.12	0.00	0.00	1-Pentene

c-2 ene	ST	BL	0.00	0.00	0.00	0.10	0.12	0.12	0.07	0.17	0.00		0.11	0.08	0.17	0.15	0.07	0.00	0.13	0.00	0.00	0.08	0.00	0.0	-Pentene
2,2-Dimethylbutane	ST	BL	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.20	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	2,2-Dimethy
2-Methylpentane	ST	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2-Methylpe
Isoprene	ST	BL	0.08	0.00	0.00	0.00	0.00	0.08	0.12	0.38	0.28	0.58	0.75	0.78	0.63	0.71	0.51	0.26	0.11	0.00	0.00	0.00	0.00	0.00	Isoprene
n-Hexane	ST	BL	0.28	0.34	0.33	1.01	0.67	0.70	0.45	0.84	0.31	0.47	0.44	0.50	0.91	0.76	0.47	0.28	0.52	0.34	0.36	0.47	0.27	0.00	n-Hexane
Methylcyclopentane	ST	BL	0.00	0.22	0.20	0.50	0.42	0.47	0.30	0.54	0.19	0.33	0.25	0.33	0.66	0.50	0.28	0.00	0.26	0.23	0.24	0.27	0.00	0.00	Methylcycl
2,4-Dimethylpentane	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,4-Dimethylpe
Benzene	ST	BL	0.25	0.25	0.28	0.80	0.69	0.89	0.53	0.60	0.41	0.42	0.38	0.43	0.63	0.60	0.34	0.35	0.41	0.37	0.45	0.40	0.34	0.22	Benzene
Cyclohexane	ST	BL	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Cyclohexan
2-Methylhexane	ST	BL	0.00	0.00	0.00	0.30	0.27	0.40	0.00	0.34	0.00	0.00	0.00	0.00	0.40	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylhe
2,3-Dimethylpentane	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,3-Dimethylpe
3-Methylhexane	ST	BL	0.00	0.00	0.00	0.36	0.36	0.65	0.00	0.53	0.00	0.00	0.00	0.32	0.56	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3-Methylhe
2,2,4-Trimethylpentane	ST	BL	0.00	0.33	0.00	0.36	0.56	0.84	0.33	0.76	0.00	0.44	0.37	0.63	0.59	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,2,4-Trimethylp
n-Heptane	ST	BL	0.00	0.00	0.00	0.19	0.00	0.25	0.00	0.18	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Heptane
Methylcyclohexane	ST	BL	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Methylcycl
2,3,4-Trimethylpentane	ST	BL	0.00	0.00	0.00	0.14	0.22	0.33	0.00	0.29	0.00	0.18	0.16	0.27	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,3,4-Trimethylp
Toluene	ST	BL	0.63	0.82	0.62	1.41	1.56	2.21	1.16	1.98	0.98	1.88	1.09	1.37	2.42	1.80	0.89	0.48	0.55	0.63	0.61	0.67	0.48	0.56	Toluene
2-Methylheptane	ST	BL	0.00	0.00	0.00	0.08	0.09	0.13	0.00	0.12	0.00	0.00	0.00	0.09	0.13	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2-Methylhe
3-Methylheptane	ST	BL	0.00	0.00	0.00	0.00	0.18	0.26	0.00	0.25	0.00	0.00	0.00	0.10	0.29	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3-Methylhe
n-Octane	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Octane
Ethyl Benzene	ST	BL	0.00	0.00	0.00	0.19	0.23	0.31	0.13	0.25	0.00	0.22	0.17	0.21	0.31	0.30	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Ethyl Benz
p-Xylene + m-Xylene	ST	BL	0.44	0.47	0.39	0.83	0.95	1.27	0.59	1.17	0.42	0.84	0.76	0.86	1.29	1.09	0.53	0.40	0.37	0.39	0.37	0.34	0.30	0.16	p-Xylene + Xylene
Styrene	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Styrene
o-Xylene	ST	BL	0.17	0.22	0.16	0.31	0.38	0.54	0.28	0.49	0.18	0.36	0.33	0.37	0.56	0.49	0.23	0.15	0.14	0.18	0.14	0.15	0.11	0.15	o-Xylene
n-Nonane	ST	BL	0.00	0.00	0.00	0.11	0.00	0.10	0.00	0.23	0.00	0.00	0.14	0.17	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Nonane
Isopropyl Benzene - Cumene	ST	BL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Isopropyl B Cumene
n-Propylbenzene	ST	BL	0.00	0.08	0.00	0.13	0.16	0.20	0.00	0.21	0.00	0.00	0.00	0.11	0.16	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	n-Propylbe
1,3,5-Trimethylbenzene	ST	BL	0.00	0.12	0.00	0.23	0.25	0.33	0.15	0.25	0.11	0.18	0.16	0.20	0.27	0.28	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,3,5-Trimethylb
1,2,4-	ST	BL	0.36	0.40	0.29	0.74	0.74	1.04	0.46	0.72	0.31	0.57	0.48	0.56	0.80	0.90	0.40	0.23	0.26	0.27	0.25	0.24	0.20	0.18	1,2,4-

Trimethy zene																								imethylb
n-Decane	ST	BL	0.12	0.13	0.13	0.18	0.14	0.14	0.12	**0.23**	0.16	0.15	0.21	0.23	0.20	0.18	0.15	0.16	0.14	0.13	0.11	0.11	0.11	0.11	n-Decane
1,2,3-Trimethylbenzene	ST	BL	0.00	0.00	0.00	0.09	0.14	**0.19**	0.10	0.10	0.00	0.10	0.06	0.10	0.12	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,2,3-Trimethylb
Parameter	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Param

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-Carbon.

Maximum values for the day are **bold** within the table.

Compounds measured in parts per billion - Carbon

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in Local Standard Time.

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes Set All checkboxes

Target Compounds	Plot Column	BP Column
☑ Ethane [P] *	☑ Methylcyclopentane [BP] *	☑ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☑ 2,4-Dimethylpentane [BP] *	☑ n-Decane [BP] *
☑ Propane [P] *	☑ Benzene [BP] *	☑ 1,2,3-Trimethylbenzene [BP] *
☑ Propylene [P] *	☑ Cyclohexane [BP] *	☑ m-Diethylbenzene [BP]
☑ Isobutane [P] *	☑ 2-Methylhexane [BP] *	☑ p-Diethylbenzene [BP]
☑ n-Butane [P] *	☑ 2,3-Dimethylpentane [BP] *	☑ n-Undecane [BP]
☑ Acetylene [P] *	☑ 3-Methylhexane [BP] *	☑ t-2-Hexene [BP]
☑ t-2-Butene [P] *	☑ 2,2,4-Trimethylpentane [BP] *	☑ 3-Methyl-1-Butene+Cyclopentene [P]
☑ 1-Butene [P] *	☑ n-Heptane [BP] *	☑ b-Pinene [BP]
☑ c-2-Butene [P] *	☑ Methylcyclohexane [BP] *	☑ 4-Methyl-1-Pentene [P]
☑ Cyclopentane [P] *	☑ 2,3,4-Trimethylpentane [BP] *	☑ 1-Hexene [P]
☑ Isopentane [P] *	☑ Toluene [BP] *	☑ Isobutene [P]
☑ n-Pentane [P] *	☑ 2-Methylheptane [BP] *	☑ 2-Methyl-1-Pentene [P]
☑ 1,3-Butadiene [P] *	☑ 3-Methylheptane [BP] *	☑ a-Pinene [BP]

- [x] 2 .thyl-2-Butene [P]
- [x] Cyclopentene [P]
- [x] t-2-Pentene [P] *
- [x] 3-Methyl-1-Butene [P]
- [x] 1-Pentene [P] *
- [x] c-2-Pentene [P] *
- [x] 2,2-Dimethylbutane [P] *
- [x] 2,3-Dimethylbutane [P]
- [x] 2-Methylpentane [P]
- [x] 3-Methylpentane [P]
- [x] Isoprene [P] *
- [x] n-Hexane [BP] *
- [x] n-Octane [BP] *
- [x] Ethyl Benzene [BP] *
- [x] p-Xylene + m-Xylene [BP] *
- [x] Styrene [BP] *
- [x] o-Xylene [BP] *
- [x] n-Nonane [BP] *
- [x] Isopropyl Benzene - Cumene [BP] *
- [x] n-Propylbenzene [BP] *
- [x] m-Ethyltoluene [BP]
- [x] p-Ethyltoluene [BP]
- [x] 1,3,5-Trimethylbenzene [BP] *
- [x] o-ethyltoluene [BP]
- [x] Hexene [BP]
- [ ] Wind Speed
- [ ] Resultant Wind Speed
- [ ] Resultant Wind Direction

* – Target Compounds effective April 1998

Generate Report

Reset to Defaults

Last Modified: April 20, 2005

AutoGC Data by Month by Site

Use this form to retrieve hourly data collected at TCEQ Automatic Gas Chromatograph (AutoGC) monitoring stations. Although this is our most current data, it is not considered official until it has been certified by our technical staff. This information is updated hourly.

This web page provides the most current hourly averaged data available. Our convention for time-tagging data is the beginning of each hour. For example, values shown for the noon hour are based on measurements taken from noon to 1:00 p.m.. The noon average will not be calculated until after 1:00 p.m.. The noon average will be then be available on our external server after 1:30 p.m.. This results in an apparent one hour time lag in the data. We also present our data in Local Standard Time for each measuring site. For most of Texas this is Central Standard Time (sites in El Paso will be in Mountain Standard Time). During Daylight Savings, this introduces another apparent one hour time lag in the data.

Select a Month:

March 2005

Select a Site: View hourly averages for any or all compounds measured at any AutoGC site. Select the site you are interested in from the list below. The compounds you select below will be shown at the selected monitoring site (if that site measures the parameter you select). Please note that not all parameters are measured at all sites.

Oak Park [32] **Measured in:** ppb-Volume ppb-Carbon

Report Format: Tabular (webified) Comma-delimited

Once you have made your selections above, click on the Generate Report button.

Generate Report

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes Set All checkboxes

Target Compounds	Plot Column	BP Column
☐ Ethane [P] *	☐ Methylcyclopentane [BP] *	☐ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☐ 2,4-Dimethylpentane [BP] *	☐ n-Decane [BP] *
☐ Propane [P] *	☑ Benzene [BP] *	☐ 1,2,3-Trimethylbenzene [BP] *
☐ Propylene [P] *	☐ Cyclohexane [BP] *	☐ m-Diethylbenzene [BP]
☐ Isobutane [P] *	☐ 2-Methylhexane [BP] *	☐ p-Diethylbenzene [BP]
☐ n-Butane [P] *	☐ 2,3-Dimethylpentane [BP] *	☐ n-Undecane [BP]
☐ Acetylene [P] *	☐ 3-Methylhexane [BP] *	☐ t-2-Hexene [BP]
☐ t-2-Butene [P] *	☐ 2,2,4-Trimethylpentane [BP] *	☐ 3-Methyl-1-Butene+Cyclopentene [P]

- [ ] 1-Butene [P] *
- [ ] c-2-Butene [P] *
- [ ] Cyclopentane [P] *
- [ ] Isopentane [P] *
- [ ] n-Pentane [P] *
- [ ] 1,3-Butadiene [P] *
- [ ] 2-Methyl-2-Butene [P]
- [ ] Cyclopentene [P]
- [ ] t-2-Pentene [P] *
- [ ] 3-Methyl-1-Butene [P]
- [ ] 1-Pentene [P] *
- [ ] c-2-Pentene [P] *
- [ ] 2,2-Dimethylbutane [P] *
- [ ] 2,3-Dimethylbutane [P]
- [ ] 2-Methylpentane [P]
- [ ] 3-Methylpentane [P]
- [ ] Isoprene [P] *
- [ ] n-Hexane [BP] *
- [ ] n-Heptane [BP] *
- [ ] Methylcyclohexane [BP] *
- [ ] 2,3,4-Trimethylpentane [BP] *
- [ ] Toluene [BP] *
- [ ] 2-Methylheptane [BP] *
- [ ] 3-Methylheptane [BP] *
- [ ] n-Octane [BP] *
- [ ] Ethyl Benzene [BP] *
- [ ] p-Xylene + m-Xylene [BP] *
- [ ] Styrene [BP] *
- [ ] o-Xylene [BP] *
- [ ] n-Nonane [BP] *
- [ ] Isopropyl Benzene - Cumene [BP] *
- [ ] n-Propylbenzene [BP] *
- [ ] m-Ethyltoluene [BP]
- [ ] p-Ethyltoluene [BP]
- [ ] 1,3,5-Trimethylbenzene [BP] *
- [ ] o-ethyltoluene [BP]
- [ ] b-Pinene [BP]
- [ ] 4-Methyl-1-Pentene [P]
- [ ] 1-Hexene [P]
- [ ] Isobutene [P]
- [ ] 2-Methyl-1-Pentene [P]
- [ ] a-Pinene [BP]
- [ ] c-2-Hexene [BP]
- [ ] Wind Speed
- [ ] Resultant Wind Speed
- [ ] Resultant Wind Direction

* - Target Compounds effective April 1998

Select which statistics to include:		
Maximum Value	Daily	Monthly
Second Highest Value	Daily	Monthly
Minimum Value	Daily	Monthly
Average Value	Daily	Monthly
Standard Deviation	Daily	Monthly
Data Recovery	Daily	Monthly

Generate Report

Reset to Defaults

Oak Park [32] Monthly Summary

Use the controls below to select a different date or site. Click on the Generate Report button once you have made your selections.

Select a Month: March 2005 **Select a Site:** Oak Park [32] **Measured in:** ppb-Volume ppb-Carbon

Report Format: Tabular (webified) Comma-delimited

Generate Report

The table(s) below contains hourly averages for **March 2005**. All times shown are in Local Standard Time.

March 2005	Ethylene (POC 1) measured in parts per billion - Volume																							
Day	Morning												Afternoon							Local Standard Time					Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
	x.xx	Only green underlined data have been validated.																							
1	2.09	0.85	ST	BL	1.84	1.37	5.32	14.20	10.84	3.66	1.18	0.77	0.89	0.88	1.11	0.84	0.79	1.43	1.38	1.41	1.06	CS	IQ	0.37	1
2	ST	BL	0.00	0.00	0.09	0.27	0.45	1.42	1.93	1.29	1.28	0.93	1.14	0.81	0.95	1.33	3.00	1.49	1.90	1.32	5.11	1.91	9.61	8.02	2
3	3.35	6.75	ST	LST	LST	LST	LST	LST	LST	LST	LST	0.00	2.91	3.65	4.17	3.90	3.88	2.20	3.19	2.22	2.83	1.69	2.49	1.40	3
4	ST	BL	1.59	2.47	3.08	2.60	2.47	21.05	188.19	48.08	3.24	4.05	1.48	1.08	0.75	1.32	1.21	1.40	1.43	1.23	1.20	1.26	1.04	1.66	4
5	1.13	0.80	ST	BL	0.61	0.45	0.49	1.00	1.26	1.11	0.89	1.14	0.83	1.20	1.60	1.12	0.80	0.93	0.71	0.63	0.52	0.44	0.61	0.47	5
6	ST	ST	BL	0.00	0.00	0.00	0.16	0.00	0.58	0.61	0.71	0.53	0.57	0.58	0.92	0.91	1.10	1.27	1.18	1.14	0.82	0.75	0.63	0.48	6
7	0.32	0.20	ST	BL	0.12	0.25	1.15	2.07	1.57	1.13	0.80	1.01	1.21	2.86	1.55	1.75	2.89	2.51	3.82	11.14	13.39	1.51	3.76	2.70	7
8	ST	BL	2.20	1.36	0.94	0.73	1.14	6.36	1.27	0.92	1.44	1.59	2.02	1.85	3.22	2.21	1.89	1.98	1.31	1.15	1.07	0.95	IQ	1.07	8
9	0.86	2.32	ST	BL	45.43	3.20	3.67	12.40	16.37	2.64	1.80	0.69	0.44	0.46	0.71	1.03	1.47	1.21	1.33	1.95	1.97	8.90	1.06	1.74	9
10	ST	BL	2.91	1.90	1.67	2.88	2.54	4.07	3.53	1.93	1.39	0.65	0.87	0.60	0.35	0.55	1.09	1.48	1.92	1.90	1.21	0.91	1.10	0.52	10
11	0.33	0.40	ST	BL	0.71	1.17	2.22	1.62	1.33	11.31	3.29	5.69	3.92	3.15	1.78	1.85	1.12	1.76	2.41	4.95	3.54	4.51	3.26	2.28	11
12	ST	BL	1.83	1.87	1.94	2.21	1.79	1.76	1.34	0.96	1.29	0.64	0.52	XX	XX	0.00	0.75	0.86	1.31	1.48	1.05	0.85	LST	LST	12
13	LST	LST	LST	LST	LST	LST	LST	LST	LST	0.45	XX	XX	ST	ST	0.00	1.43	1.70	1.98	2.21	3.11	5.39	7.22	6.81	6.54	13

14	ST		**6.73**	5.97	3.14	0.72	0.88	0.94	4.77	5.50	4.73	2.7	.47	2.27	0.75	0.97	0.97
15	0.36	0.49	ST	BL	1.91	0.42	0.89	0.84	1.19	1.06	3.34	1.55	5.80	3.76	3.12	5.18	4.55
16	ST	BL	1.20	1.05	1.10	0.98	1.49	1.50	0.91	1.17	1.19	1.04	0.70	0.61	0.69	0.73	1.55
17	0.48	**9.46**	ST	BL	1.08	0.78	1.23	1.54	0.89	0.69	0.52	0.55	0.57	0.47	0.33	0.67	1.88
18	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	0.00	0.71	0.61	0.84
19	0.65	0.42	ST	BL	0.43	0.49	0.51	0.94	0.77	0.82	0.76	0.73	0.76	0.73	0.75	0.85	0.79
20	ST	ST	BL	**13.78**	0.61	0.33	0.66	0.64	0.92	0.94	0.49	0.67	0.51	0.51	0.44	0.57	0.56
21	0.13	0.00	ST	BL	0.00	0.32	0.67	1.56	1.68	0.85	0.68	1.02	1.53	0.92	0.67	1.19	0.91
22	ST	BL	0.10	0.17	1.21	0.82	**4.94**	4.09	1.87	2.59	3.52	3.78	3.86	1.04	1.40	1.14	1.22
23	1.32	2.02	ST	BL	1.65	1.22	**3.14**	2.62	1.60	2.37	0.72	0.90	0.95	1.14	0.88	0.90	1.07
24	ST	BL	0.21	0.16	0.21	0.28	0.69	**1.18**	1.08	0.77	0.80	0.61	0.76	0.66	0.62	0.94	0.91
25	0.43	0.26	ST	BL	0.18	0.28	0.58	**1.11**	0.88	0.78	0.97	0.55	0.42	0.52	0.67	0.75	0.93
26	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST
27	XX	ST	ST	BL	1.89	1.36	0.95	3.47	0.97	1.97	3.65	2.50	2.08	IQ	0.80	1.06	1.28
28	ST	BL	**3.12**	1.35	0.84	0.83	1.17	1.98	1.15	0.89	0.58	0.55	0.55	0.50	0.55	0.16	0.71
29	0.00	0.15	ST	BL	0.00	0.00	0.53	0.83	0.97	0.64	0.83	0.65	0.83	0.62	0.56	0.92	0.86
30	ST	BL	0.12	0.00	0.00	0.10	**11.02**	6.46	3.34	1.47	0.95	1.08	1.29	0.79	0.63	1.23	1.80
31	0.68	0.23	ST	BL	0.42	1.12	1.17	**4.03**	3.28	1.68	0.51	0.55	0.47	0.59	0.58	0.84	0.89
Day	**Mid**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Noon**	**1:00**	**2:00**	**3:00**	**4:00**

x.xx Only green underlined data have been validated.

Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-C.

Maximum values for the day are **bold** within the table.

	rch 2005					Benzene (POC 1) measurec							arts per billion - Volume							Local Standard .				
Day	Morning												Afternoon											Day
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	
	x.xx	Only green underlined data have been validated.																						
1	1.74	0.92	ST	BL	1.64	3.66	5.77	10.24	8.43	2.75	1.06	0.75	0.66	0.66	0.91	0.51	0.56	0.90	0.76	0.77	0.53	CS	IQ	0.48	1
2	ST	BL	0.41	0.33	0.43	0.36	0.54	2.46	1.16	0.83	0.84	0.55	0.77	0.65	0.57	0.72	1.60	1.10	4.08	1.51	4.15	1.45	3.97	4.60	2
3	4.09	6.32	ST	LST	LST	LST	LST	LST	LST	LST	LST	0.00	3.37	4.32	3.54	2.53	2.52	1.22	1.77	1.27	1.13	0.84	1.14	1.03	3
4	ST	BL	2.03	2.42	15.98	6.47	4.32	13.04	7.78	4.07	1.38	1.48	1.56	0.90	0.66	1.18	1.39	0.92	0.81	0.93	0.90	2.13	2.26	1.01	4
5	0.95	0.77	ST	BL	0.98	1.60	1.39	0.59	0.76	0.95	1.58	0.63	0.74	0.81	0.92	0.77	0.77	0.96	0.79	0.64	0.57	0.55	0.72	0.64	5
6	ST	ST	BL	0.36	0.21	0.28	0.27	0.25	0.52	0.55	0.37	0.45	0.38	0.54	0.61	0.52	0.61	0.71	0.63	0.56	0.47	0.44	0.42	0.43	6
7	0.35	0.29	ST	BL	0.26	0.31	0.68	1.06	0.73	0.55	0.60	0.77	0.56	0.76	0.82	0.95	1.89	2.17	3.76	4.09	2.99	4.21	5.42	5.09	7
8	ST	BL	2.11	1.21	1.06	1.17	2.22	8.08	2.37	1.36	0.92	0.79	0.78	0.89	1.44	1.14	1.08	1.37	0.99	0.88	0.82	1.05	IQ	1.31	8
9	1.70	3.41	ST	BL	3.26	3.78	3.18	6.79	8.84	2.85	4.41	1.74	1.26	1.38	1.13	1.78	1.53	1.26	1.74	3.78	8.71	6.74	1.90	1.15	9
10	ST	BL	2.21	1.79	1.79	1.77	3.28	4.30	3.88	2.55	1.87	0.96	0.86	0.74	0.65	0.49	0.75	1.19	1.18	1.07	0.83	0.63	0.69	0.53	10
11	0.39	0.32	ST	BL	0.70	1.37	4.68	3.35	5.01	12.11	3.03	2.32	2.27	2.05	2.47	2.18	0.71	1.11	1.44	2.79	1.94	2.81	1.83	3.05	11
12	ST	BL	4.99	5.06	3.91	4.13	2.22	1.43	1.06	1.00	1.00	0.47	0.56	XX	XX	0.00	0.61	0.73	0.82	0.86	0.64	0.68	LST	LST	12
13	LST	LST	LST	LST	LST	LST	LST	LST	LST	0.47	XX	XX	ST	ST	0.00	1.35	1.29	1.39	1.53	1.84	9.29	10.82	4.06	10.58	13
14	ST	BL	4.06	11.68	15.12	2.08	2.13	2.08	9.27	7.24	5.46	2.86	2.66	2.70	1.30	0.94	1.13	1.26	1.49	1.29	1.22	0.97	1.03	1.21	14
15	0.85	0.80	ST	BL	1.73	1.41	1.20	1.40	1.65	1.13	3.70	1.85	2.19	2.25	2.65	2.70	2.83	3.58	5.53	4.46	3.92	CS	IQ	7.81	15
16	ST	BL	3.49	3.26	3.02	3.98	4.83	5.72	3.07	3.66	4.58	4.38	2.81	2.56	2.58	2.66	3.22	2.97	2.96	4.04	1.70	1.80	4.07	2.70	16
17	2.58	8.90	ST	BL	4.27	2.49	3.42	3.87	2.33	1.77	1.40	1.21	1.11	1.48	1.35	1.47	1.57	1.80	3.22	2.05	1.94	2.11	1.97	1.98	17
18	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	0.83	0.69	0.84	0.87	0.95	1.12	0.89	0.88	0.75	0.75	18
19	0.79	0.63	ST	BL	0.55	0.61	0.63	0.68	0.66	0.68	0.67	0.64	0.60	0.55	0.52	0.49	0.67	0.61	0.70	1.33	0.46	0.51	0.55	0.73	19
20	ST	ST	BL	13.84	0.63	0.53	0.94	1.09	1.05	0.90	0.63	1.90	1.41	0.65	0.49	0.59	0.46	0.58	0.58	1.05	0.62	0.40	0.46	0.25	20
21	0.33	0.00	ST	BL	0.00	0.29	0.45	0.79	0.92	0.44	0.44	0.55	0.77	0.72	0.53	0.87	0.84	1.05	1.69	1.18	2.04	1.10	0.89	0.57	21
22	ST	BL	0.63	1.08	1.29	1.26	2.99	3.58	3.17	5.24	6.07	5.60	4.62	4.92	4.84	3.74	3.81	4.81	3.96	3.81	5.51	17.65	13.43	11.40	22
23	8.27	3.11	ST	BL	1.65	1.10	1.78	9.48	1.86	1.42	1.05	0.92	1.27	1.29	0.95	1.27	1.00	1.15	0.88	1.08	1.04	0.89	0.74	0.77	23
24	ST	BL	0.54	0.47	0.57	0.49	0.60	0.83	0.86	0.67	0.60	0.54	0.67	0.56	0.50	0.72	0.70	0.86	0.78	0.73	0.59	0.67	0.66	0.50	24
25	0.48	0.45	ST	BL	0.35	0.48	0.40	0.66	0.64	0.61	1.17	0.54	0.39	0.55	0.62	0.63	0.78	1.55	1.04	0.97	1.07	0.66	0.32	0.45	25
26	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	26
27	XX	ST	ST	BL	3.78	4.12	3.35	4.09	3.66	3.67	3.04	2.69	2.49	IQ	1.98	2.04	2.59	3.38	1.82	1.87	1.66	2.60	3.81	7.78	27
28	ST	BL	4.83	1.88	1.65	1.74	1.74	2.16	1.97	1.46	0.50	0.53	0.55	0.48	0.49	0.57	0.48	0.63	0.76	0.96	0.72	0.61	0.53	0.47	28
29	0.30	0.31	ST	BL	0.29	0.40	0.46	0.56	0.56	0.47	0.46	0.46	0.51	0.49	0.47	0.70	0.58	0.58	0.54	0.48	0.48	0.44	0.43	0.28	29
30	ST	BL	0.35	0.32	0.23	0.37	1.06	1.57	1.61	1.28	1.09	1.48	1.40	0.88	0.92	1.01	1.18	0.88	0.71	0.81	1.17	0.71	0.62	0.97	30

31	0.67		ST	BL	0.72	6.64	1.00	2.89	2.77	2.12	0.80	0.7	0.61	0.82	0.70	1.11	0.91	1.12	1.67	1.09	0.81	0.71	0.88	.8	31
Day	**Mid**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Noon**	**1:00**	**2:00**	**3:00**	**4:00**	**5:00**	**6:00**	**7:00**	**8:00**	**9:00**	**10:00**	**11:00**	**Day**
x.xx	Only green underlined data have been validated.																								
Currently, the Minimum Detection Limit (MDL) applied to all AutoGC target compounds is 0.4 ppb-C.																									
Maximum values for the day are **bold** within the table.																									

PLEASE N: This data has not been verified by the TCEQ and may change. This i: ost current data, but it is not official until it has been certified by our t al staff. Data is collected from TCEQ monitoring sites and may include data from other monitoring entities. This data is updated hourly.

Advanced Options

You may use the checkboxes below to control which parameters will be in the report. If you have cookies enabled on your browser, these selections will be "remembered" from session to session.

Clear All checkboxes | Set All checkboxes

Target Compounds	Plot Column	BP Column
☐ Ethane [P] *	☐ Methylcyclopentane [BP] *	☐ 1,2,4-Trimethylbenzene [BP] *
☑ Ethylene [P] *	☐ 2,4-Dimethylpentane [BP] *	☐ n-Decane [BP] *
☐ Propane [P] *	☑ Benzene [BP] *	☐ 1,2,3-Trimethylbenzene [BP] *
☐ Propylene [P] *	☐ Cyclohexane [BP] *	☐ m-Diethylbenzene [BP]
☐ Isobutane [P] *	☐ 2-Methylhexane [BP] *	☐ p-Diethylbenzene [BP]
☐ n-Butane [P] *	☐ 2,3-Dimethylpentane [BP] *	☐ n-Undecane [BP]
☐ Acetylene [P] *	☐ 3-Methylhexane [BP] *	☐ t-2-Hexene [BP]
☐ t-2-Butene [P] *	☐ 2,2,4-Trimethylpentane [BP] *	☐ 3-Methyl-1-Butene+Cyclopentene [P]
☐ 1-Butene [P] *	☐ n-Heptane [BP] *	☐ b-Pinene [BP]
☐ c-2-Butene [P] *	☐ Methylcyclohexane [BP] *	☐ 4-Methyl-1-Pentene [P]
☐ Cyclopentane [P] *	☐ 2,3,4-Trimethylpentane [BP] *	☐ 1-Hexene [P]
☐ Isopentane [P] *	☐ Toluene [BP] *	☐ Isobutene [P]
☐ n-Pentane [P] *	☐ 2-Methylheptane [BP] *	☐ 2-Methyl-1-Pentene [P]
☐ 1,3-Butadiene [P] *	☐ 3-Methylheptane [BP] *	☐ a-Pinene [BP]
☐ 2-Methyl-2-Butene [P]	☐ n-Octane [BP] *	☐ c-2-Hexene [BP]
☐ Cyclopentene [P]	☐ Ethyl Benzene [BP] *	☐ Wind Speed
☐ t-2-Pentene [P] *	☐ p-Xylene + m-Xylene [BP] *	☐ Resultant Wind Speed
☐ 3-Methyl-1-Butene [P]	☐ Styrene [BP] *	☐ Resultant Wind Direction
☐ 1-Pentene [P] *	☐ o-Xylene [BP] *	
☐ c-2-Pentene [P] *	☐ n-Nonane [BP] *	
☐ 2,2-Dimethylbutane [P] *	☐ Isopropyl Benzene - Cumene [BP] *	
☐ 2,3-Dimethylbutane [P]	☐ n-Propylbenzene [BP] *	

- [ ] 2- .thylpentane [P]
- [ ] 3-Methylpentane [P]
- [ ] Isoprene [P] *
- [ ] n-Hexane [BP] *
- [ ] m-Ethyltoluene [BP]
- [ ] p-Ethyltoluene [BP]
- [ ] 1,3,5-Trimethylbenzene [BP] *
- [ ] o-ethyltoluene [BP]

* - Target Compounds effective April 1998

Select which statistics to include:		
Maximum Value	☐ Daily	☐ Monthly
Second Highest Value	☐ Daily	☐ Monthly
Minimum Value	☐ Daily	☐ Monthly
Average Value	☐ Daily	☐ Monthly
Standard Deviation	☐ Daily	☐ Monthly
Data Recovery	☐ Daily	☐ Monthly

Generate Report

Reset to Defaults

Last Modified: April 20, 2005

›› Questions or Comments
monops@tceq.state.tx.us

Automated Gas Chromatographs (AutoGCs) Corpus Christi Monitoring Network

This network was initially funded as a Community Service Project by penalties originating from a federal lawsuit and augmented with state funds as a Supplemental Environmental Project. This monitoring network was designed to address specific needs in the Corpus area and enhance the existing monitoring network.

Specifically, the goals of the project are to monitor for hydrogen sulfide (H2S), sulfur dioxide (SO2), and volatile organics in the industrialized area along the northern edge of Corpus Christi. The project scope and general approach was designed by TCEQ with EPA and Federal court approval.

A contract for project operation was awarded to the University of Texas at Austin in October of 2003. The University of Texas (Dr. David Allen) is responsible for site operation, maintenance, and data validation for a minimum of seven years. TCEQ is hosting the H2S, SO2, meteorological, and Automated Gas Chromatographs (AutoGCs) data on their automated data ingestion and display system. The nine monitoring sites (including seven new sites) that make up this project include:

1. Two AutoGCs, which measure a wide variety of volatile organic compounds (VOCs) in the community at each end of refinery row;
2. Seven continuous H2S and SO2 monitors;
3. Eight event-triggered VOC monitors (continuous Total Non-Methane Hydrocarbon Monitors that can trigger a canister sampler to allow speciation of volatile organics during periods of elevated concentration);
4. Two surveillance video cameras;
5. Seven meteorological stations (one at each new site).

Corpus Christi Auto GCs:

Current Hourly Averages by Parameter
Hourly Averages by Site
Monthly Summaries
Auto GC Effects Screening Levels

Oak Park
Site Information

Solar Estates
Site Information

Surveillance Cameras
Dona Park
Solar Estates

Web Policies | Disclaimer | Site Help

ules, Policy & Legislation | Permits, Licenses & Registrations | Compliance, Enforcement & Cleanups
Drinking Water & Water Availability | Reporting | Environmental Quality | Assistance, Education & Participation | Pollution Prevention & Recycling |
Contracts, Funding & Fees | TCEQ Home

About TCEQ | Contact Us

Last Modified 3/29/05

Agenda Item - III Project Overview and Status

C. Website Access to Data
ii. Project Website

PLACE IN THE
BRIEFING BOOK UNDER TAB 4

AIR MONITORING DATA AND INFORMATION

April 21, 2005

Corpus Christi Air Quality Project

About CCAQP | CCAQP Contacts | Advisory Board | Project Status | Monitoring Sites | Camera Feeds | Trajectory Analysis Tool | Site Equipment & Parameters | TCEQ - Data Collection | Press Releases

CCAQP Organizational Chart

Some of the documents on this web site are in Adobe Acrobat format. You will need this free program before you can open & view PDF documents. If you do not have the program, click the "Acrobat Reader" icon below and follow the instructions for installing the program.

Get Acrobat Reader

Monitoring Sites

1f: Off Up River Rd. FHR

New Photos Available

Camera Feeds

Trajectory Analysis Tool

Denzil Smith - CCAQP Webmaster

Corpus Christi Air Quality Project

Monitoring Site Information

Site photos, parameters and maps:

- 1.a: Oak Park Recreation Center
- 1.b: Grain Elevator at POCC
- 1.c: J. I. Hailey Site at POCC
- 1.d: TCEQ Monitoring Site at Dona Park
- 1.e: POCC on West End of CC Inner Harbor
- 1.f: Off Up River Road
- 1.g: Solar Estates Park

Corpus Christi area site maps and table of schedule, location and instrumentation

1.a: Oak Park Recreation Center

---Please Choose a Site---

- EPA site number: 48-355-0035
- Site ID: 1.a
- CAMS: 634
- State: Texas
- County:
- City: Corpus Christi
- Address: 842 Erwin Avenue, 78408
- Site coordinates:
  Latitude: 27.798889
  Longitude: -97.433889
  Elevation:
- Maintained by: The University of Texas at Austin,
  Center for Energy and Environmental Resources (CEER)

Area Map	Wide Aerial	Overall Site	Close-up Aerial	Street Level Map
Northwest	North			Northeast
West				East
Southwest	South			Southeast
Current Measurements at Oak Park C634				
Monthly Summary Report for Parameters at Oak Park C634				
Automated Gas Chromatographs (AutoGCs) Corpus Christi Monitoring Network				

- Real-time monitoring since: Thursday, December 2, 2004
- Current status: Active
- Parameters currently being monitored:
  - Pollution parameters:
    - Total Non-Methane Organic Compounds
    - Methane
  - Meteorological parameters:
    - Wind Speed
    - Resultant Wind Speed
    - Resultant Wind Direction
    - Maximum Wind Gust

- Standard Deviation of Horizontal Wind Direction
- Outdoor Temperature
- Relative Humidity

Air Monitoring and Surveillance Camera Site Locations

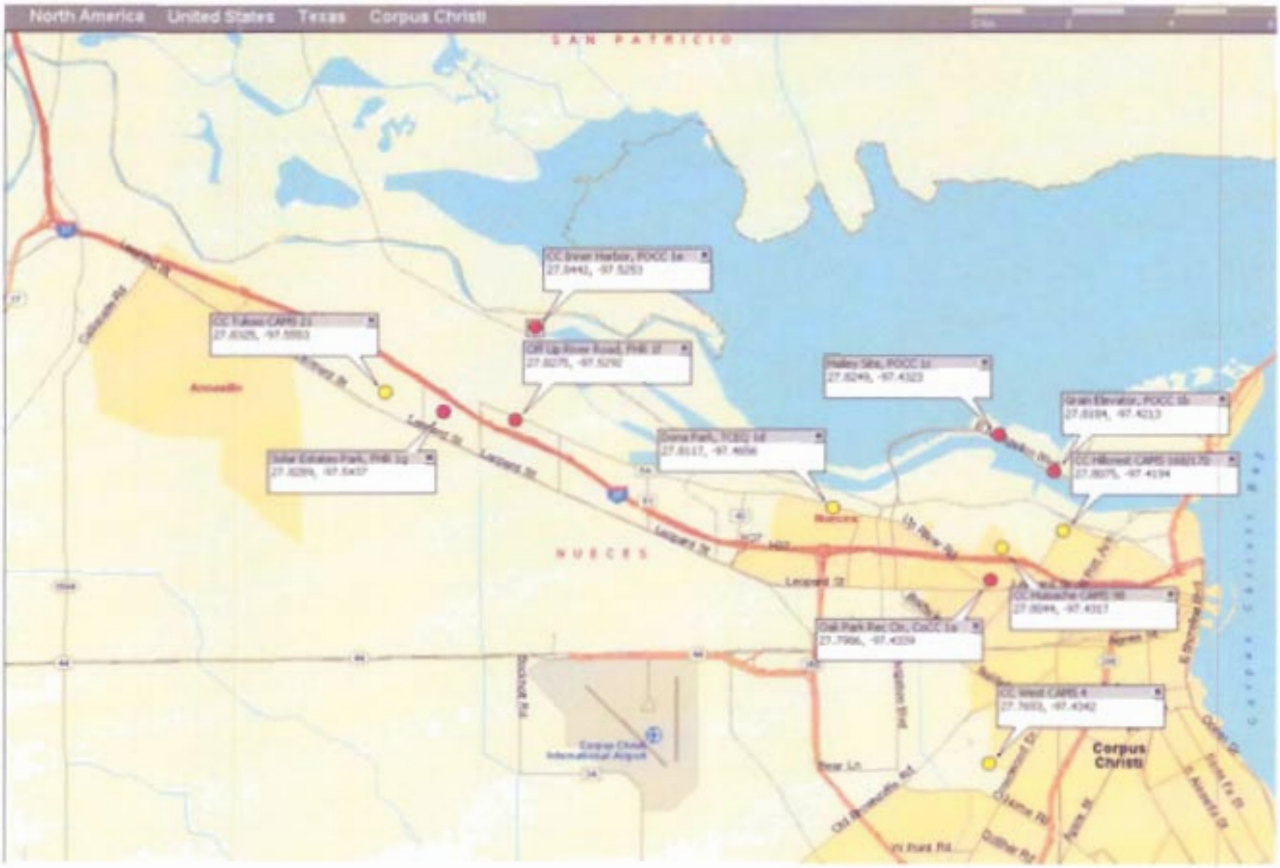
The red flags on the map below represent the locations of the 7 monitoring sites. Choose a location and click the flag to view more details. The details include various maps, and site photos.

Click here to view larger map

Schedule of Air Monitoring Sites, Locations and Major Instrumentation

Contract Ref	TCEQ CAMS#	Description of Site Location	Monitoring Equipment				
			Auto GC	Event Mon	Sulphur Com	Met Station	Camera
1.a	634	Oak Park Recreation Center	Yes	Yes		Yes	
1.b	629	Grain Elevator @ Port of Corpus Christi		Yes	Yes	Yes	
1.c	630	J. I. Hailey Site @ Port of Corpus Christi		Yes	Yes	Yes	
1.d	635	TCEQ Monitoring Site C199 @ Dona Park		Yes	Yes	Yes	Yes
1.e	631	Port of Corpus Christi on West End of CC Inner Harbor		Yes	Yes	Yes	
1.f	632	Off Up River Road on Flint Hills Resources Easement		Yes	Yes	Yes	
1.g	633	Solar Estates Park at end of Sunshine Road	Yes	Yes	Yes	Yes	Yes

UT and TCEQ Monitoring Sites



Click here to view larger map of UT & TCEQ sites

Agenda Item -VI Project Related Activities
Supplemental Environmental Projects

A. Trajectory Analysis Tool

PLACE IN THE
BRIEFING BOOK UNDER TAB 8

TCEQ-SUPPLEMENTAL ENVIRONMENTAL PROJECTS

April 21, 2005

Corpus Christi Trajectory Analysis Tool

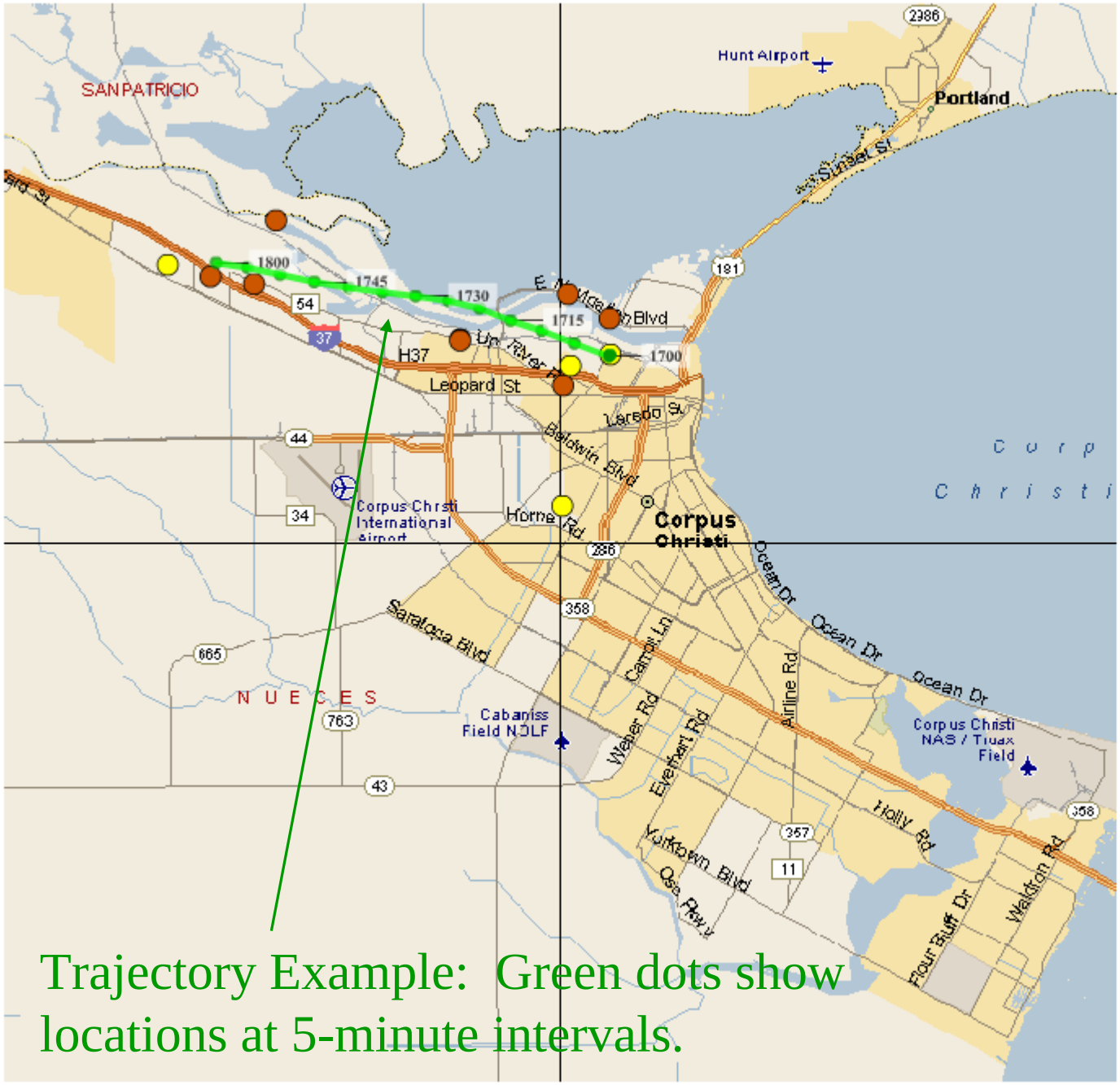
- The Trajectory Tool allows a web-user to calculate and display a forward or backward trajectory over a street level map of the Corpus Christi area.

- Version 1.0 now ready!
  - Accessed via Corpus Christi Air Quality Project Homepage
  - http://www.utexas.edu/research/ceer/ccaqp/

What is a trajectory?

- A trajectory represents the hypothetical path of a near-surface air parcel assuming the parcel moves with the area-averaged winds measured by the Corpus Christi network of surface monitoring stations.

- Simply put, the trajectory provides an estimate of the path air traveled.



Trajectory Example: Green dots show locations at 5-minute intervals.

Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

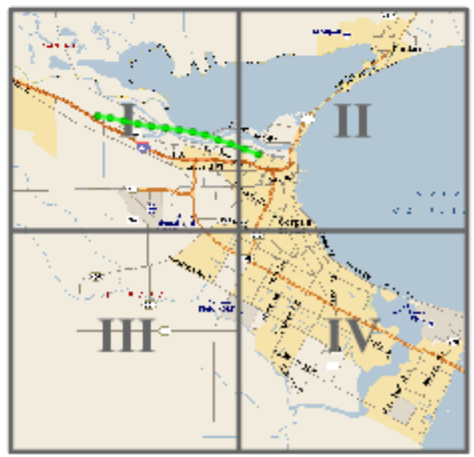
5 :00 PM

Enter total run time (in hours)

1

Forward Backward

Submit



What data are used to calculate the trajectories?

- All available 5-minute averaged wind speed and wind direction observations collected at surface monitoring stations within the Corpus Christi network are used to calculate the trajectory.

- Currently, there are 6 TCEQ stations and 7 UT stations.


SAN PATRICIO
CC Inner Harbor, POCC 1e
27.84492, -97.5221
CAMS: 631
CC Tuloso CAMS 21
27.8325, -97.5553
Off Up River Road, FHR 1f
27.82722, -97.52889
CAMS: 632
Hailey Site, POCC 1c
27.82444, -97.4325
CAMS: 630
Grain Elevator, POCC 1b
27.8175, -97.41972
CAMS: 629
Annaville
Leopard St
Solar Estates Park, FHR 1g
27.82917, -97.54222
CAMS: 633
Dona Park, TCEQ 1d
27.81139, -97.46556
CAMS: 635
CC Huisache CAMS 98
27.8044, -97.4317
Nueces
TEXAS
NUECES
Up River Rd
Nueces Bay Blvd
CC Hillcrest CAMS 168/170
27.8075, -97.4194
Oak Park Rec Ctr, CoCC 1a
27.79889, -97.43389
CAMS: 634
Baldwin Blvd
Morgan Ave
Navigation Blvd
Buckhalt Rd
Corpus Christi International Airport
Bear Ln
Old Brownsville Rd
Joe Mireur Rd
W Point Rd
Corpus Christi
CC West CAMS 4
27.7653, -97.4342
Ocean Dr
Brawner Pkwy
Corpus Christi Bay
Copyright © 2003 Microsoft Corp. and/or its suppliers. All rights reserved.

How are the trajectories calculated?

- Ideally, the trajectory would use continuous observations of WS/WD at monitoring stations located throughout the entire Corpus Christi area.

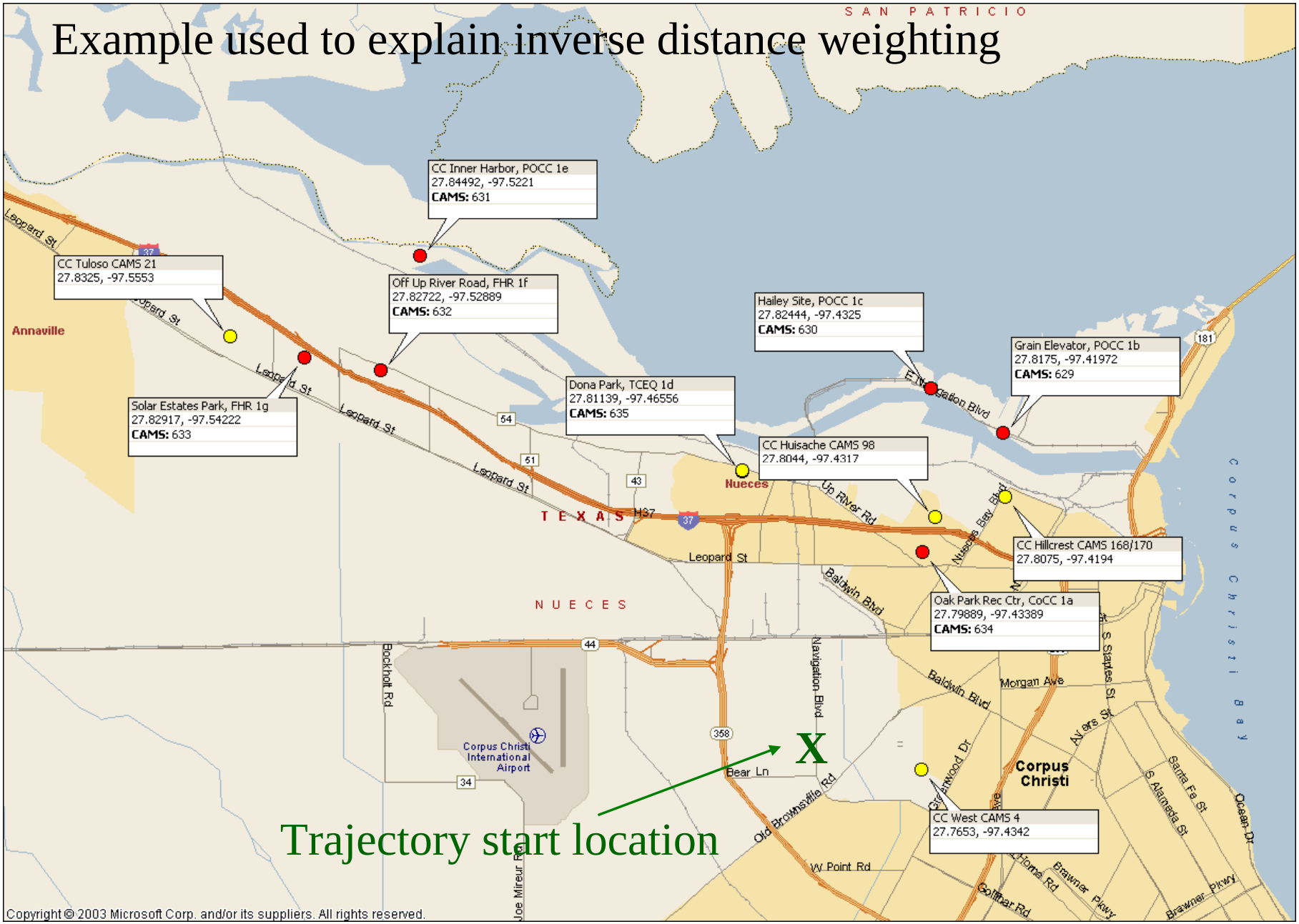
- In reality, we must use the available 5-minute averaged WS/WD observations to estimate winds at locations away from the monitoring stations. An interpolation scheme is used to make these estimates.

Interpolation Scheme (used to calculate the average wind speed and direction for each 5-minute period)

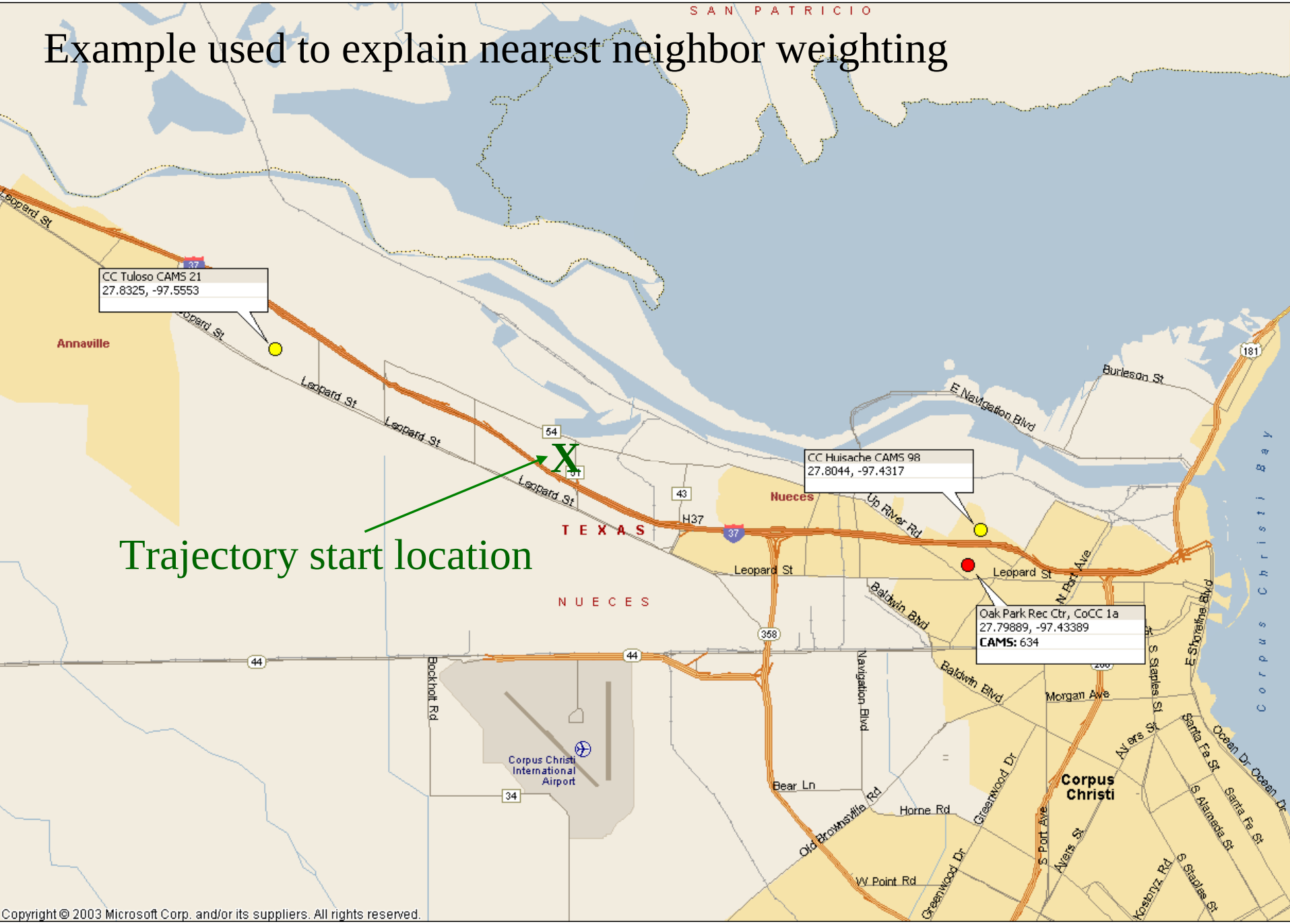
- Provided by Bryan Lambeth (TCEQ) -- currently used for trajectory calculations in HGA

- Weighting factor is calculated for each monitor
  - Inverse distance weighting is used so that wind data collected at nearby monitoring stations are more heavily weighted compared to wind data collected at more distant monitoring stations
  - Nearest Neighbor distance is included in the calculation so that weighting for more isolated monitors is increased over those in clusters.

Example used to explain inverse distance weighting



Example used to explain nearest neighbor weighting



How are the trajectories calculated?—Detailed Description

- Use nearest-neighbor weighted, inverse distance interpolation to calculate an average 5-minute wind speed and direction at the starting trajectory location using all available surface monitoring data.
- The average 5-minute wind speed and direction is used to advect (forward or backward in time) the hypothetical parcel linearly over a 5-minute period.
- A new interpolated wind speed and direction is then calculated at the new trajectory location using available wind data for the next 5-minute period.
- The calculation procedure is repeated until the trajectory is complete for the requested duration.

Forward vs. Backward Trajectories

- A forward trajectory provides an estimate of the path an air parcel followed forward in time beginning at a specific geographic location. A forward trajectory is used to help answer the question “Where did the air go?”

- A backward trajectory provides an estimate of the path an air parcel followed prior to arriving at a specific geographic location. Backward trajectories are used to help answer the question “Where did the air come from?”

How do I run the Trajectory Tool?

- Online Tutorial will always be available through CCAQP website
  - http://www.utexas.edu/research/ceer/ccaqp/
- Overview of current tutorial provided in next slides

Corpus Christi Air Quality Project

CCAQP Organiztional Chart

Some of the documents on this web site are in Adobe Acrobat format. You will need this free program before you can open & view PDF documents If you do not have the program, click the "Acrobat Reader" icon below and follow the instructions for installing the program.

Get Acrobat Reader

Monitoring Sites

New Photos Available

Trajectory Analysis Tool

Coming soon!
Air Quality Event Summary

Camera Feeds

1.d: Dona Park

Denzil Smith - CCAQP Webmaster

Welcome to the Corpus Christi Trajectory Analysis Tool

Use the Trajectory Tool to calculate and display a forward or backward trajectory over a street level map of the Corpus Christi area

What is a trajectory?

A trajectory represents the hypothetical path of a near-surface air parcel assuming the parcel moves with the area-averaged winds measured by the Corpus Christi network of surface monitoring stations.

Simply put, the trajectory provides an estimate of the path air traveled

For a description of the data used to calculate a trajectory and a summary of the calculation methodology, click here.

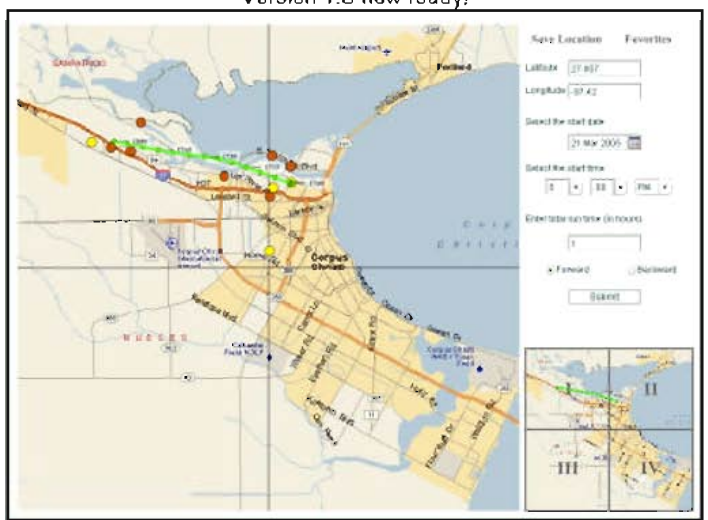
First-time user resources:

Trajectory Tool Tutorial

Experienced users enter below:

Trajectory Tool

Version 1.0 now ready!



Address http://web.austin.utexas.edu/trajectory/

Save Location Favorites

Latitude

Longitude

Select the start date

21 Mar 2005

Select the start time

1 35 PM

Enter total run time (in hours)

1

Forward Backward

Submit

Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

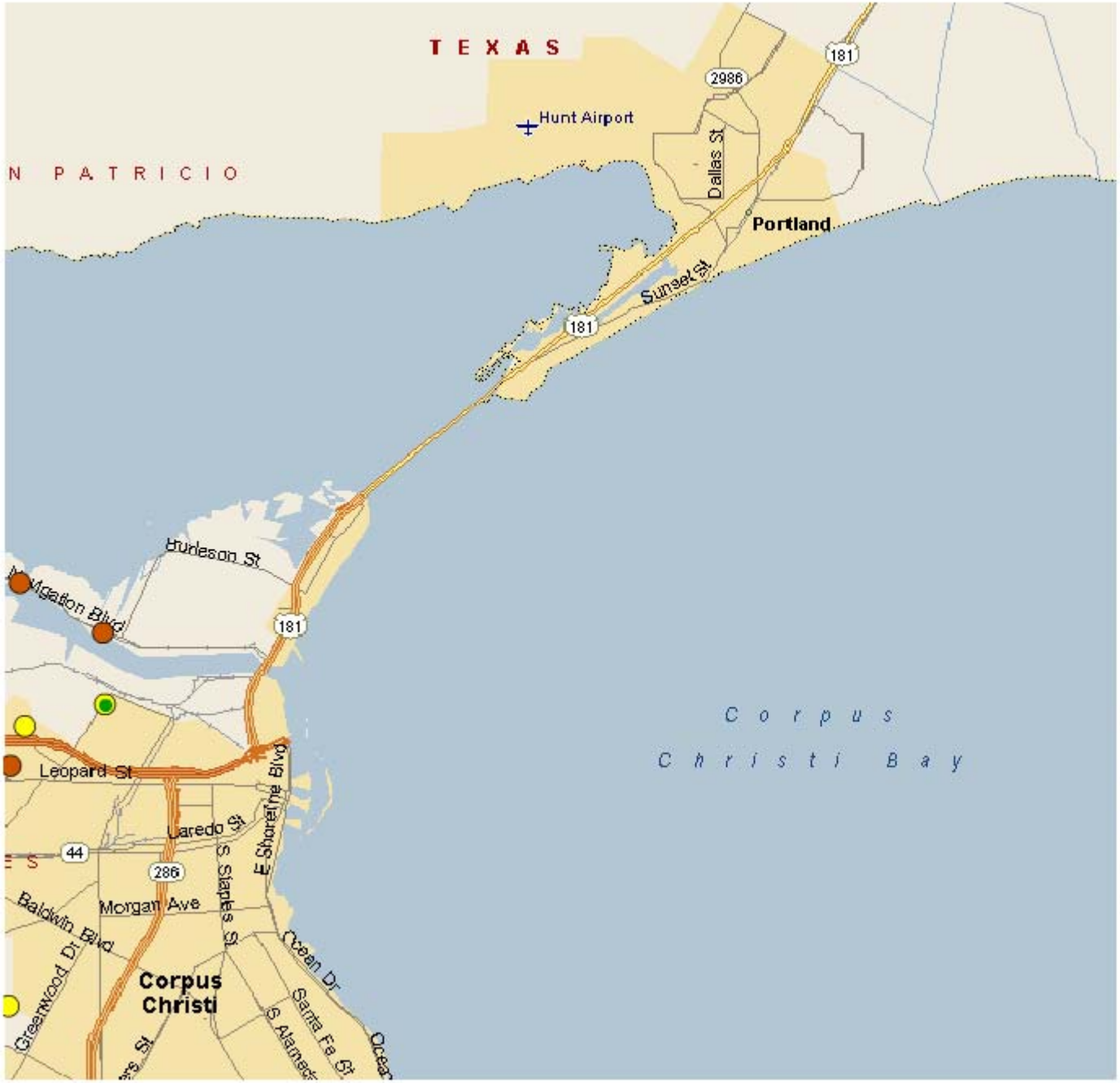
Enter total run time (in hours)

1

Forward Backward

Submit

Or zoom in first



Save Location Favorites

Latitude 27.807

Longitude -97.419

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

Enter total run time (in hours)

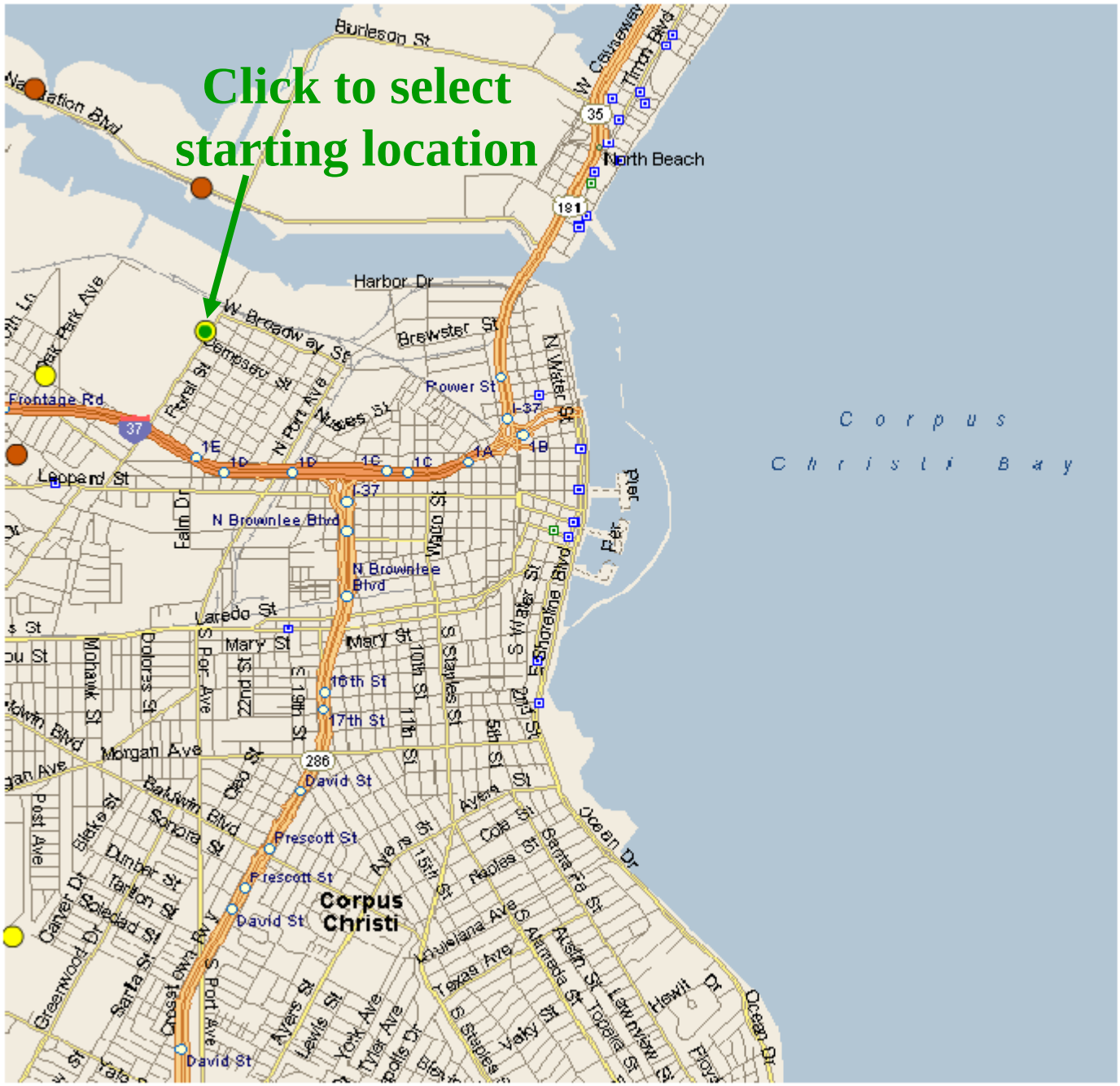
1

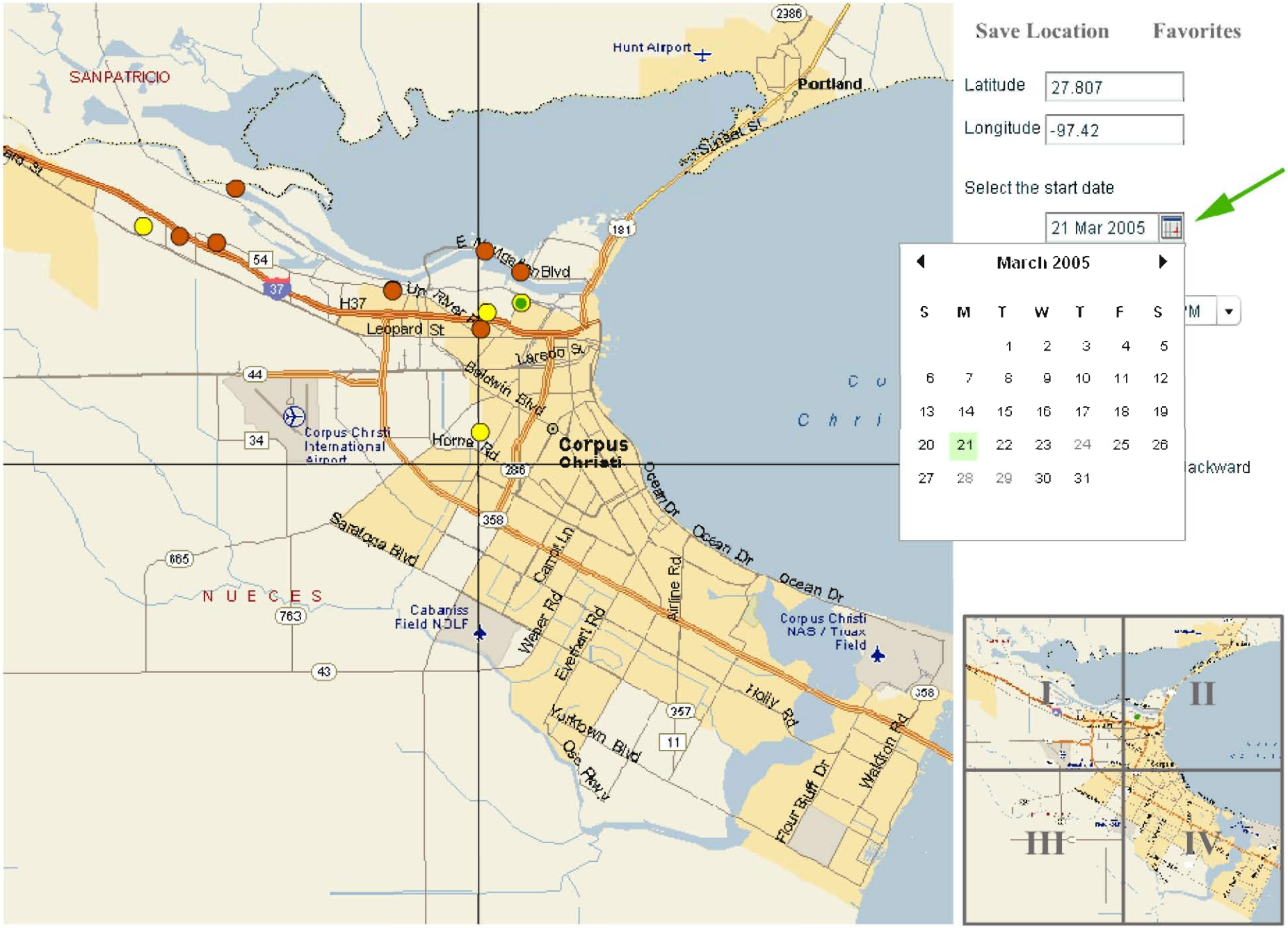
Forward Backward

Submit

Zoom again

Zoom out


Click to select starting location
Burleson St
W Causeway
Tarlton Blvd
North Beach
Harbor Dr
W Broadway St
Brewster St
Power St
N Water St
Frontage Rd
Nueces St
N Port Ave
Leopard St
I-37
N Brownlee Blvd
Palm Dr
Pier
Laredo St
Mary St
S Port Ave
Mohawk St
Dolores St
16th St
17th St
Morgan Ave
David St
Baldwin Blvd
Prescott St
Corpus Christi
Ocean Dr
Corpus Christi Bay
Save Location
Favorites
Latitude
27.807
Longitude
-97.419
Select the start date
21 Mar 2005
Select the start time
5
:00
PM
Enter total run time (in hours)
1
Forward
Backward
Submit
Zoom out
I
II
III
IV


Save Location
Favorites
Latitude
27.807
Longitude
-97.42
Select the start date
21 Mar 2005
March 2005
S M T W T F S
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31
SAN PATRICIO
Hunt Airport
Portland
Leopard St
Laredo St
Baldwin Blvd
Corpus Christi International Airport
Horne Rd
Corpus Christi
Ocean Dr
Saratoga Blvd
Carroll Ln
Weber Rd
Elsenhart Rd
Airline Rd
Holly Rd
Yorktown Blvd
Oso Pkwy
Waldron Rd
Flour Bluff Dr
Cabaniss Field NOLF
Corpus Christi NAS / Truax Field
NUECES
I
II
III
IV

Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

4
5
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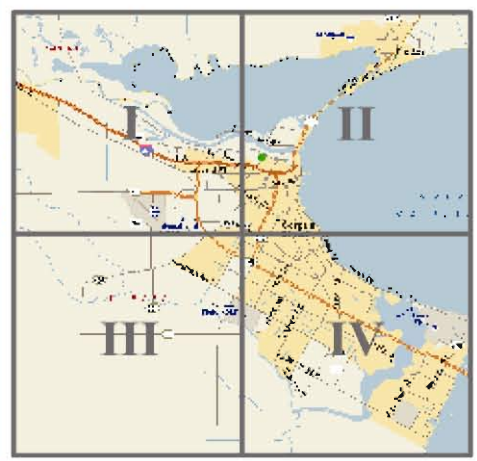
8

Enter time (in hours)

Backward

Submit



Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

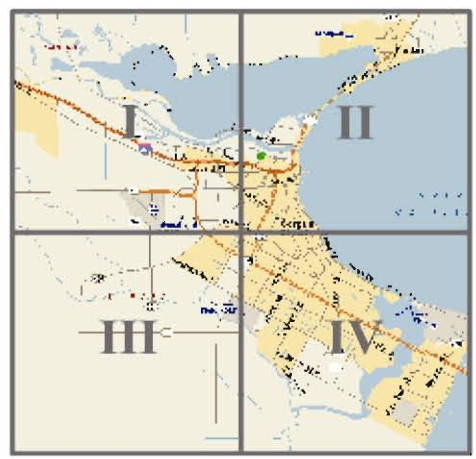
5 :00 PM

Enter total run time (in hours)

1

Forward Backward

Submit



Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

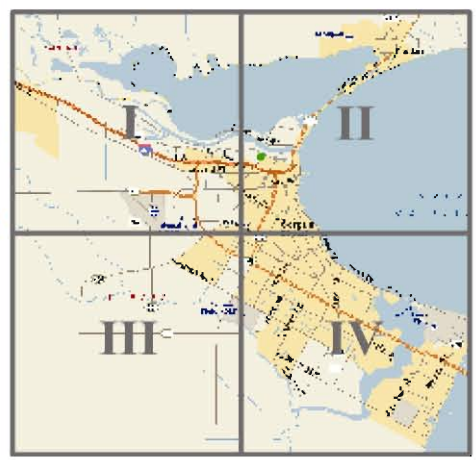
5 :00 PM

Enter total run time (in hours)

1

Forward Backward

Submit



Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

Enter total run time (in hours)

1

Forward Backward

Submit

Zoom

Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

Enter total run time (in hours)

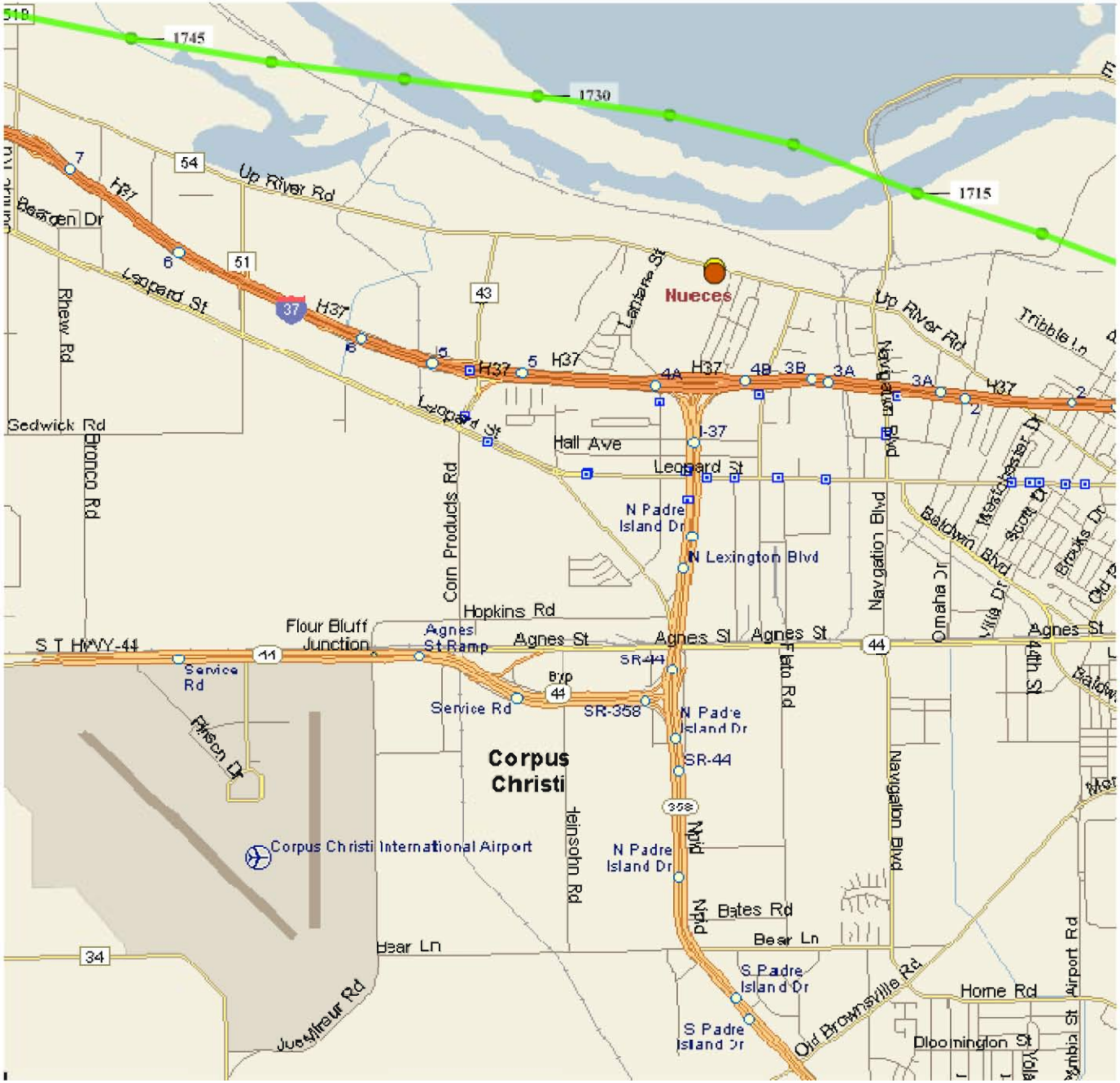
1

Forward Backward

Submit

Zoom out

Zoom again



Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

5 :00 PM

Enter total run time (in hours)

1

Forward Backward

Submit

Save Location Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

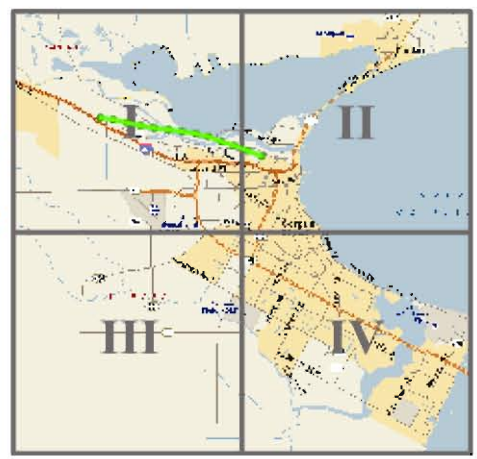
5 :00 PM

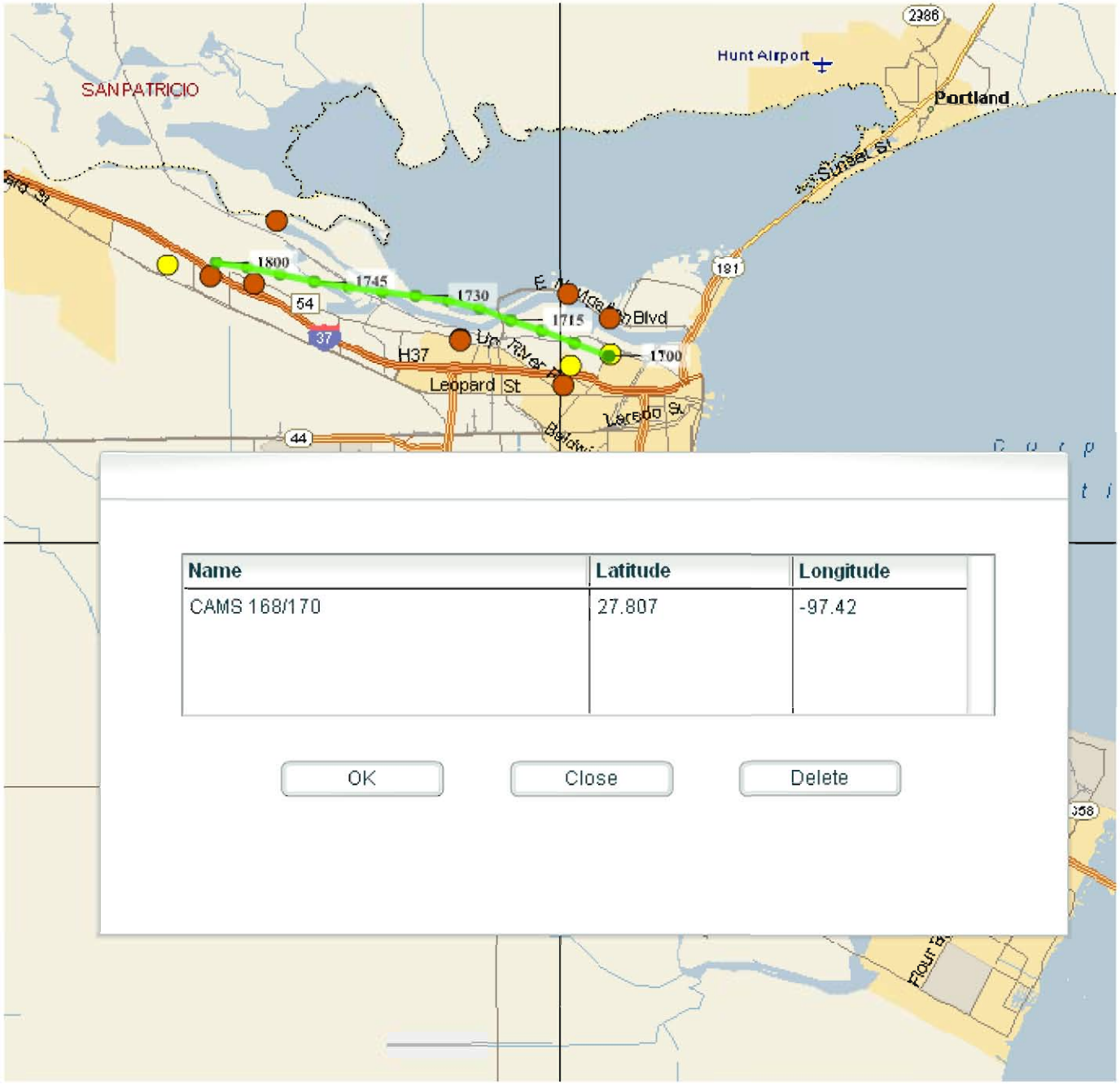
Enter total run time (in hours)

1

Forward Backward

Submit





Name	Latitude	Longitude
CAMS 168/170	27.807	-97.42

OK | Close | Delete

Save Location | Favorites

Latitude 27.807

Longitude -97.42

Select the start date

21 Mar 2005

Select the start time

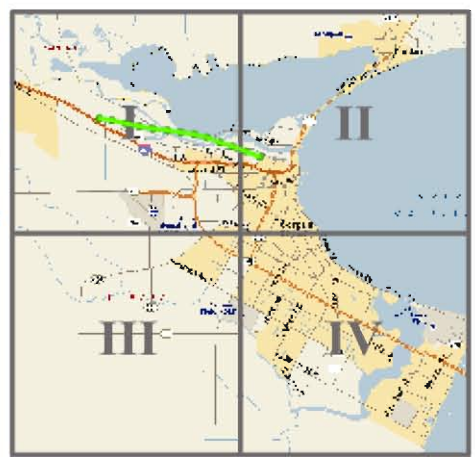
5 :00 PM

Enter total run time (in hours)

1

Forward | Backward

Submit



Next Steps

- Comments on the existing Trajectory Tool are encouraged
  - http://www.utexas.edu/research/ceer/ccaqp/
- Current work is focused on automated data retrieval behind TCEQ firewall to provide near real-time capability
  - Scripts are needed to retrieve data, provide basic quality assurance, re-format, and import wind data into the MySQL Database used by the Trajectory Tool
- Print to file (gif or jpg) tool
- Ongoing modifications to the Trajectory Analysis Tool Introduction page and online tutorial
- Refinements to the interpolation algorithm

REQUEST FOR COMMENTS
Corpus Christi Trajectory Analysis Tool, Version 1.0

Please return any comments or suggestions to Gary McGaughey, Center for Energy and Environmental Resources (R7100), J.J. Pickle Research Campus, 10100 Burnet Rd., Austin, TX 78758.

Or email comments and/or suggestions to Gary at garym@mail.utexas.edu

The steps below guide you through the use of the Trajectory Tool Tutorial and the Trajectory Analysis Tool. These steps are intended to help you provide comments on the Trajectory Analysis Tool Website and are not intended to serve as a stand-alone tutorial.

Step 1. Go to the Corpus Christi Air Quality Project homepage at www.utexas.edu/research/ceer/ccaqp/ and choose "Trajectory Analysis Tool".

Step 2. You should now be at the "Welcome to the Corpus Christi Trajectory Analysis Tool" introduction page.

Question 1. Do you have any suggested modifications or additions to the introduction page?

Step 3. Select the "Trajectory Tool Tutorial" under "First-time user resources". Please read through the tutorial carefully.

Question 2. Is the tutorial easy to follow? Do you have any suggestions for changes to the tutorial?

Step 4. You are now ready to use the Trajectory Analysis Tool. Choose the link to the Trajectory Tool available at the end of the Tutorial. Or choose "Trajectory Tool" from the introduction page under "Experienced users enter below".

Step 5. On the Trajectory Tool page, experiment with the zoom feature (located in the lower righthand corner). For example, click on Roman numeral "IV" for the first-level zoom, then click on number 11 for the second-level zoom. Click on the "Zoom Out" button twice to return to the main map.

Question 3. Did you have any difficulties using the zoom feature?

Step 6. Select a starting location for your trajectory by clicking on the main map. Confirm that the latitude and longitude values shown in the upper righthand corner of the page update automatically.

Step 7. Use the pull-down menus to enter a start date and start time. Enter a total run time (default is 1 hour), then select either the forward or backward trajectory option.

Step 8. Hit the "Submit" button to generate your trajectory. Note that the "Submit" button becomes a "Stop" button while the trajectory is being drawn, and you can hit the "Stop" button at any time to cancel the trajectory.

Question 4. Please comment on any problems or sources of confusion encountered in performing steps (6) – (8) above.

Step 9. Again, use the zoom feature on the resulting trajectory map you just generated.

Question 5. Any problems?

Step 10. If you wish, save your start location for future use by clicking "Save Location" (located in the upper righthand corner) to bookmark the latitude and longitude coordinates. Use "Favorites" to recall previous start locations.

We have designed the Trajectory Analysis Tool to be simple and easy-to-use.

Question 6. Do you agree? If not, do you have any suggestions for improvements?

Question 7. Do you have any suggested modifications to the website design that you have not mentioned in your responses to the previous questions?

Question 8. Would you like to suggest any additional enhancements to either the Trajectory Tool Tutorial or the Trajectory Analysis Tool?

Thanks for your interest and participation in this effort.

APPENDIX B

June 15, 2005 Advisory Board Meeting Briefing Book Materials

AGENDA
ADVISORY BOARD MEETING

Corpus Christi Air Monitoring and Surveillance Camera Installation

and Operation Project

Texas A&M University-Corpus Christi
Corpus Christi, Texas
Room 1003 NRC

June 15, 2005 1:00 pm - 3:30 pm

I Call to Order and Welcome

II Project Overview and Status

A. Phase II - Site Operation and Maintenance

i. Data on Event Sampling and Trigger Levels

a. TNMOC Data from Hydrocarbon Analyzer, SO_2, H_2S, Auto GC
b. Canister Data
c. Trajectory Analysis of data

ii. Notification Tool

a. Models
Corpus Christi Model – Huisache Site
Houston Auto GC Model
b. Issues to be considered
Setting parameters for use of notification tool
TCEQ approval
Interface with industry
U.S. District Court approval

iii. Air Quality Indicators Summarizing the Data

a. EPA and TCEQ Practices
b. Establish Benchmarks

III Transition to Routine Operations

A. Functions of the Advisory Board
B. Frequency of Board meetings
C. Content of Board meetings
D. Protocol for presenting data to the public

IV Advisory Board

A. Operating Procedures
B. Process for renewing Board Memberships due by November 30, 2005.

V. Other Issues

A. Set next meeting date, time and site
B. Recommendations for agenda items for next meeting
C. Public comment

VI. Adjourn

DRAFT- For Discussion Purposes - Not for Distribution

CORPUS CHRISTI AIR MONITORING AND SURVEILLANCE CAMERA PROJECT ADVIORY BOARD OPERATING PROCEDURES

1. Advisory Board Members and their affiliation are found in *Attachment A* to this document.

2. *Spokesperson(s) for the Board.*
   Mr. Ron Barnard
   Ms. Gretchen Arnold
   Term of the spokesperson(s):
   ·Three (?) years with the option to be reappointed.

   Replacement process for the spokesperson(s):
   ·Nomination for candidates are accepted from the Advisory Board.
   ·Candidates agreeing to serve are voted on by the Advisory Board.
   ·The spokesperson(s) are elected by a simple majority.

3. *Secretary for the Board*
   Ms. Lena Coleman
   Term of the secretary:
   ·**Three(?)** years with the option to be reappointed.

   Replacement process for the secretary:
   ·Nomination for candidates are accepted from the Advisory Board.
   ·Candidates agreeing to serve are voted on by the Advisory Board.
   ·The secretary is elected by a simple majority.

4. *Meeting Rules*
   a. Meeting notes will be taken at each meeting by the Secretary or, in his/her absence, a replacement designated by the Secretary.
      i. Meeting notes will be prepared by the Secretary and forwarded to The University for review and comment.
      ii. After the notes have been completed by the Secretary with input from The University, the final meeting notes will be distributed to the Advisory Board and project personnel. Comments or corrections to the meeting notes will be invited.
   b. Development and design of the agenda for meetings of the Advisory Board is the responsibility The University of Texas at Austin with input from the Advisory Board.
   c. Suggestions for agenda items for future Advisory Board meetings should be submitted a minimum of one month prior to the meeting date to:
      Vincent M. Torres
      Center for Energy and Environmental Resources
      The University of Texas at Austin
      10100 Burnet Road, Bldg. 133, MC R7100

Austin, TX 78758
Ph. (512) 471-5803
Fax: (512) 471-1720
Email: vmtorres@mail.utexas.edu

5. Attendance at scheduled Advisory Board Meetings

Once a meeting date is set it is the responsibility of the Advisory Board Member to notify The University and an Advisory Board Spokesperson if they are unable to attend the meeting and the reason for non-attendance.

a. Should a member of the Advisory Board be unable to attend a meeting they may send a substitute/alternate to represent them at that meeting provided the Board Member receives the prior approval of one **(or both?)** of the Board Spokesperson(s). A Board Spokesperson will notify The University if an alternate will be attending prior to the Meeting.

i. An Advisory Board member can exercise the option of sending a substitute/alternate to attend a Board meeting **once(?)** during the year.

ii.. Should an Advisory Board member send a substitute to a scheduled Board meeting, that substitute will not have the authority, voting rights and privileges as a member appointed to the Board.

b. With the prior approval of one (or both?) of the Board Spokesperson(s) and The University, Board Members may bring one (**or two?)** resource people to be available to assist with technical topics to be addressed at a scheduled meeting of the Board. Such resource people will not have the authority, voting rights and privileges granted a member appointed to the Board.

6. *General*

a. The status of membership of an Advisory Board member who is absent from **one(?)** or more meetings including those meetings when a Board member exercises the option to send an alternate to a meeting, will be reviewed by the Advisory Board and University project personnel.

i. The Advisory Board in coordination with The University and in compliance with the terms and conditions of the Agreement between The University of Texas at Austin and the United States District Court, retains the right to replace any member of the Advisory Board.

ii .Should a member of the Advisory Board wish to resign their membership prior to the completion of their term the Board member shall submit a written letter of resignation to The University of Texas at Austin, to the attention of Dr. David Allen. The letter must include the effective resignation date and a copy of the letter must be submitted to the Board Spokesperson(s) by the resigning Board member.

iii. The addition of replacement members to the Advisory Board must be by unanimous vote of the Advisory Board, and accepted and agreed to by The University and project personnel and shall be in compliance with the terms

and conditions of the Agreement between The University of Texas at Austin and the United States District Court

b. The Spokesperson(s) shall represent the Board in all public communications. The Spokesperson(s) shall be responsible for responding to all requests for project information which are directed to any member of the Board.

i. Any request for information concerning the Corpus Christi Air Monitoring and Surveillance Camera Project, the activities and responsibilities of the Board and any of the project personnel shall be directed to the Advisory Board Spokesperson(s).

ii. The Spokesperson(s)shall insure that any request for information is communicated to The University for action as appropriate.

ATTACHMENT A

Corpus Christi COCP Project
Air Monitoring Station Schedule and Equipment
ADVISORY BOARD MEMBERS

Last Name	First Name	Affiliation/Organization	Area of Representation on the Board
Arnold	Gretchen (Ms.)	CC Pollution Prevention Partnership Texas A&M University SPOKESPERSON	At-Large
Barnard	Ron (Mr.)	Environmental Specialist City of Corpus Christi *SPOKESPERSON*	City Representative
Billiot	Eugene (Dr.)	Asst. Prof. Analytical Chemistry Texas A&M University	Technical Support to the Board
Boostrom	Ardys (M.D.)	Physician – Corpus Christi-Nueces County Public Health District	Local Public Health
Coleman	Lena (Ms.)	Community Advisory Council *SECRETARY*	Neighborhood Organization
Dulip	Vinay (Mr.)	Chemistry Teacher Moody High School	Local Educator
Kost	Glen (Dr.)	Public Health Awareness Group	At-Large
Suter	Pat (Ms.)	Coastal Bend Sierra Club	Local Advocacy Group

Ex-Officio Members			Title
Brymer	David (Mr.)	Texas Commission on Environmental Quality - Headquarters	
Kennebeck	David (Mr.)	Texas Commission on Environmental Quality - Region 14	
Stanley	C. Buddy (Mr.)	Texas Commission on Environmental Quality - Region 14	
Todd	Robert M. (Mr.)	Environmental Protection Agency Region 6	

APPENDIX C

June 15, 2005 Advisory Board Meeting Notes

Corpus Christi Board Meeting Notes: 6-15-05
1:00pm – 3:30pm

12 Attendees:
David Turner
David Kennebeck
Ken Rozacky
James Martinez
Glen Kost
Ron Banard
Gretchen Arnold
Ardys Boostrom
Pat Suter
David Brymer
Vincent Torres
David Allen

1:20 p.m.
Vince Torres opened the Board meeting by introducing David Turner, TCEQ Air Section Manager for Region 14.

Vince Torres indicated that TCEQ prefers to use CAMS numbers to identify the sites so the presentations today will reference both the Site location AND the TCEQ CAMS numbers.

CAMS 629	CC Grain Elevator
CAMS 630	J.I. Hailey
CAMS 631	West End of Inner Harbor
CAMS 632	FHR Easement
CAMS 633	Solar Estates
CAMS 634	Oak Park
CAMS 635	Dona Park

Vince Torres
Currently the TCEQ system waits for 900 consecutive seconds of the TNMHC>2000ppb before its is considered a trigger or event to have occurred. Vince proposes that canister samples be taken at 5 min., 10 min., 15 min., 30 min., & 60 min. Then two 12 hour samples after an event occurs.

David Allen discussed the findings for data collected in April and May. Meteorology (wind direction) plays a big part in the study.

Pat Suter asked if there is a record of wind direction and if this would allow the source of the irritant to be determined.

Exceedances at the Flint Hills Site (CAMS 632) were discussed. It was determined there is a pipeline valve on the property that may be leaking and the source based on the data being collected at the Site.

David Turner offered that the Texas Railroad Commission has jurisdiction over pipelines.

David Allen suggested that a protocol be designed for how to respond to incidents – who is to be notified at what agency, etc.

Ardys Boostrom indicated that there is information in the State Statutes in the Texas Administrative Code delineating how exceedances get reported and who has the responsibilities for notification.

David Turner indicated that TCEQ using regulatory standards and/or screening guidelines internally set their own trigger levels to allow TCEQ to investigate events and determine if it is necessary to notify anyone being suspected to be the source of the event.

The incident at the JI Hailey Site (CAMS 630) that occurred the morning of June 15, 2005, caused TCEQ to deploy a team to investigate the incident. TCEQ used the Back Trajectory Tool to investigate the incident.

Ron Barnard asked if TCEQ found the Trajectory Tool useful.

David Turner indicated they did. Other TCEQ representatives agreed that the Tool was very useful. Reminding the Board that TCEQ sets as its goal to find the source of the problem and to take corrective action.

Glen Kost requested that this information be noted in the Board Protocols (notification tools…the action to be taken, the outcome, and whether it is to continue.)

Vince Torres presented two (2) different Notification Tool Models to the Board. The URS Huisache Model and the Houston (AutoGC) Model were discussed. The Houston Model was developed under a study and includes participation by industry.

Pat Suter was very familiar with the Houston study and felt it was very similar to what is being done in the Corpus Christi area with the benzene data.

Pat Suter asked what would happen if the industry pinpointed as the source of an exceedance is not a participant in the notification program.

Ken Rozacky indicated TCEQ actively encourages industry participation in a notification process.

David Allen felt the Houston Model generates a lot of good information. Trigger levels for the model that were set in June through November 2004 were based upon 2003 study

data. A second set of triggers will be generated based on June 2005 data. Determination about trigger levels needs to be based upon:

The data you are trying to capture.
What are the outside impacting factors
What will be done with the data collected at the trigger levels we establish
Awareness that trigger levels can be changed
Must be in compliance with TCEQ Regulations
A plan to interface with industry

Vince Torres indicated that direction from the Board with regard to a notification tool (protocols/procedures) for ALL sources of events will guide UT's actions. Some summary comments:

Monitoring for ONE compound is easier than monitoring for several compounds.
Preliminary data can target a problem.
Further analyses can pinpoint the source.
Data is entered into a database for access day-by-day.

Vince Torres thanked Walt Crow (URS) for providing the Houston Area Pilot Study information.

David Brymer as a directive from the prior Board Meeting he drafted a letter to the U.S. District Court from the Board regarding the inclusion of industry members as participants in a project notification tool and to include members of industry in specific Board Meetings participating industry would benefit from discussions pertaining to Project findings. The draft letter was discussed and it was decided the letter would be prepared for signature by all members of the Board and sent to Judge J. G. Jack for approval.

James Martinez suggested that the letter should specify what the Board wanted forwarded to him and he will present the letter to Judge Jack.

Ardys Boostrom suggested 2 meetings on the same day the first to include industry partners and the second would not.

Vince Torres mentioned that he has been invited to speak at the Sept.-05 meeting of the Corpus Christi Citizen's Advisory Council (CCCAC.) He asked the Board's permission to present existing data and any new data at this meeting.

MOTION: by Pat Suter to allow UT to present data at the CCCAC meeting even though the data may be new and may not have been reviewed by the Board and not presented to the Board in formal meetings.
SECOND: Dr. Kost
Unanimously approved by board members present.
Vince will make every effort to provide a copy of his presentation materials to the Board prior to a meeting where he is asked to present data from the Corpus Christi Project.

David Allen discussed the basic model for EPA's color-coded Air Quality Indicators where significance of an event is indicated by the colors shown on the charts. (Handout material in the briefing books.) A calendar could be generated for every site using a series of color codes for exceedances of monitoring levels.

Ken Rozacky suggested that the Index begin with a Summary of the standards to be used in the Air Quality Index.

David Allen felt the following four (4) standards will need to be established:

SO_2
H2S
Individual Hydrocarbons from Auto GC data
TNMHC

To develop standards we have begun to look at the California standard levels and the EPA risk screening levels. IT was suggested we use a combination of both to develop our Air Quality Index.

Dr. Kost suggested we use the same format for an Air Quality Index as appears in the handout material (EPA risk screening levels.)

It was determined UT would develop a prototype starting with a summary of comparison of standards using a graded scale for each speciation. The prototype will be appropriate for use on the web site.

Ron Barnard suggested we use the table in the handout material for TNMHC data which continues to have a trigger level set at 2000ppbc.

Vince Torres mentioned that the two (2)-year appointment terms for Board Members will be ending in November 2005. Members who wish to continue to serve on the Board are asked to send a letter of intent to UT. Outgoing members are asked to submit a letter of resignation and may recommend replacements.

The *next Board meeting* will be scheduled for September or October – prior to the next Annual Report before the District Court.

David Brymer thanked the court (James Martinez) for selecting UT and TCEQ-R 14 to establish the Corpus Christi Monitoring Project. He complimented both groups for being very responsive to the needs of the community, for being very pro-active in anticipating the needs of the Project often doing more than required.

He indicated that the project could not be extended beyond the current period unless sufficient funds become available to replace the equipment. He suggested that as additional funds become available they should be used to develop new tools that would enhance the Project and other items as determined by the Board.

Gretchen Arnold suggested we should identify the intent of the Court when making decisions about the use of additional funds.

David Brymer stated the intent of the Court was to identify the event causing data and to identify public health issues.

David Allen felt a future focus could be collecting data about Local conditions. Since 90% of our time is spent indoors perhaps a new study would focus on in-home assessment for Indoor Air Quality.

Pat Suter A majority of the population WANTS the information but they do not necessarily want to put out any effort to get it. She suggested providing the information on Radio or TV. Perhaps future findings could be part of the local weather report such as Ozone action days are currently being reported.

Dr. Kost and Ms. Suter discussed materials generated by the Corpus Christi Air Quality Committee. These materials are in the process of being rewritten and the AQC would like to include information about the Corpus Christi Air Monitoring Project as part of the materials being generated.

3:50: meeting ended.

ACTION ITEMS:

(1) Revise the letter to the U.S. District Court regarding industry participation. The letter will be signed by the 2 Board Spokespersons (Ron Barnard and Gretchen Arnold). The letter will be presented to the Court via James Martinez.

(2) Set up the calendar and data for an Air Quality Index to be displayed on the web site
Determine a scale
Set trigger levels
Evaluate activity

REQUESTS

Mrs. Suter requested that the handouts have page numbers

Ron Barnard requested more detail on DTA's concentration charts instead of 1000-2000, provide data for 500, 1000, 1500, 2000, 2500.

Notes:

TNMOC = total non-methane hydrocarbons

HRVOC = highly reactive volatile organic compounds

APPENDIX D

Financial Report of Expenditures
Financial Report of Interest Earned

Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project

Accounting Report for the Quarter
4/01/05-6/30/05

A. Total Amount of COCP Funds and Other Funds Received Under This Proposal

Total Grant Amount:	$6,761,718.02
Total Interest Earned:	$161,132.63
Total Funds Received:	**$6,922,850.65**

B. Summary of Expenditures Paid by COCP Funds

	Prior Yr. Carryover	Yr. 1 Budget	Yr. 1 Adjustments	Prior Activity	Current Activity 04/01/05-06/30/05	Remaining Balance 6/30/2005
Salaries-Prof	$0.00	$71,574.00	($4,800.00)	($71,212.90)	$0.00	-$4,438.90
Salaries-CEER	$0.00	$4,800.00	$4,800.00	($4,731.90)	$0.00	$4,868.10
Fringe	$0.00	$19,094.00	$0.00	($15,943.30)	$0.00	$3,150.70
Supplies	$0.00	$10,000.00	$0.00	$0.00	$0.00	$10,000.00
Other	$0.00	$7,532.00	$0.00	($4,021.66)	($5,066.19)	-$1,555.85
Subcontract	$0.00	$1,800,000.00	$0.00	($1,557,785.00)	$0.00	$242,215.00
Travel	$0.00	$2,000.00	$0.00	($1,154.22)	$0.00	$845.78
Equipment	$0.00	$85,000.00	$0.00	$0.00	$0.00	$85,000.00
Indirect Costs	$0.00	$300,000.00	$0.00	($248,227.36)	($759.93)	$51,012.71
TOTALS	**$0.00**	**$2,300,000.00**	**$0.00**	**($1,903,076.34)**	**($5,826.12)**	**$391,097.54**

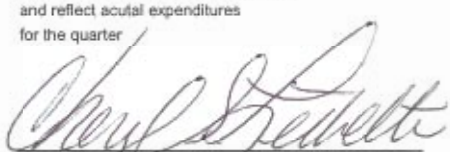
C. Interest Earned by COCP Funds as of 06/30/05

Prior Interest Earned:	$124,268.14
Interest Earned This Quarter:	$36,864.49
Total Interest Earned to Date:	**$161,132.63**

D. Balance of COCP Funds as of 6/30/05

Total Grant Amount:	$6,761,718.02
Total Interest Earned:	$161,132.63
Total Expenditures:	($1,908,902.46)
Remaining Balance:	**$5,013,948.19**

I certify that the numbers are accurate
and reflect acutal expenditures
for the quarter



Accounting Certification