

## File Names

09:53 Monday, March 21, 2005 1

File #	Original File Name
1	PAC2001_LNEL_PCB_OVOC_GC-FID_20010815D18_V1.csv

## Dataset Key Phrases

Data Exchange Standard Version	Principal Investigator Name--last first	Principal Investigator Affiliation	File Contents Description--short long	Sampling Interval As Reported in Main Table	Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym	Study Or Network Name	Country Code
NARSTO 2001/10/31 (2.213)	Brickell ; Peter	Air Research Quaility Monitoring, MSC, EC	OVOC ; Speciated oxygenated volatile organic compound gas phase measurements	Grab	Variable interval	1	ENVCAN	Environment Canada	Environment Canada, Meteorological Service of Canada, 4905 Dufferin St., Toronto, Ont. Canada M3H 5T4	PAC2001	Pacific 2001	CA (CANADA)

State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation	Name And Affiliation Of Person Who Generated This File	Date Of Last Modification To Data In Main Table	Name And Version Of Software Used To Create This File	Companion File Name format And Version	Date This File Generated archive Version Number	Table Explanation Of Zero Or Negative Values
ON	P. Brickell, MSC, 4905 Dufferin Street, Toronto, ON M3H 5T4 peter.brickell@ec.gc.ca	None ; None	None	Jennifer Gibb, Environment Canada	2002/02/22	MS Excel/2002	None ; 0	2004/11/08 ; 1	No zero or negative values in this table.

Table Explanation Of Reported Detection Limit Values	Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
Below detection limit values are reported as the quantitation limit based on minimum area counts that could be repeatably integrated. They are flagged as V7.		Sampling intervals differ slightly due to GC oven cooling time and Tekmar trap cooling time, which varied from sample to sample depending on the liquid nitrogen tank pressure.	Run column added as all lab notes and raw data files use this reference.	Ethanal points were removed due to a suspect calibration factor.		OVOC SPECIES	Surface--fixed

## Site Information

Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree	Sampling height above ground (m)	Ground elevation above sea level (m)	Site land use	Site location setting	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
PC01CABCLNEL	Lochiel School	BC	49.017400	-122.361700	6.0	94.0	Agricultural	Rural	2001/08/15	2001/09/01	See project plan	LNE	-1000

## NARSTO Standard Flags

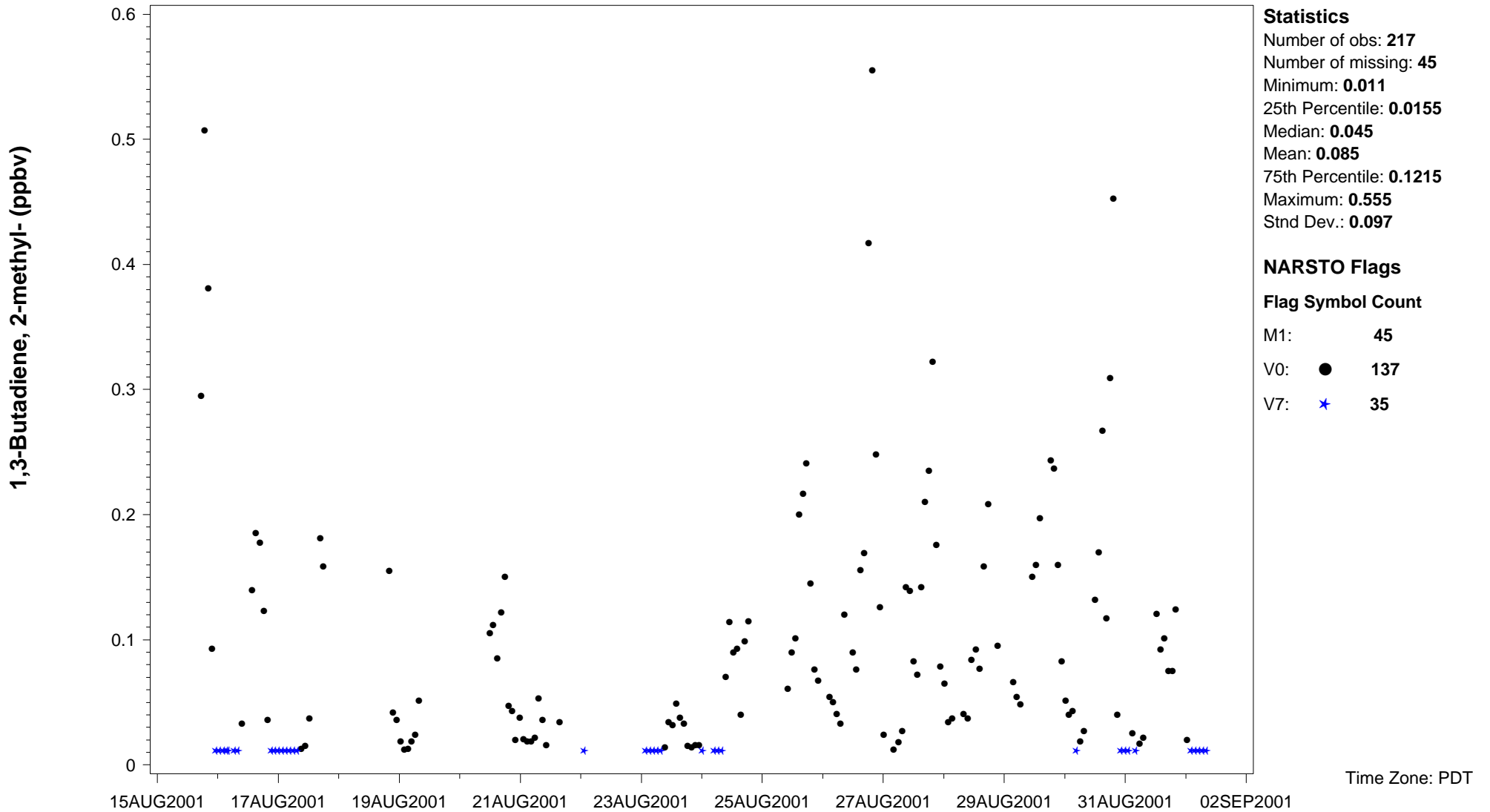
Flag: NARSTO	Description
H1	Historical data that have not been assessed or validated
M1	Missing value because no value is available
M2	Missing value because invalidated by data originator
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V2	Valid estimated value
V3	Valid interpolated value
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
V6	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)
V7	Valid value but set equal to the detection limit (DL) because the measured value was below the DL

NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **1,3-Butadiene, 2-methyl-** Common Name: **Isoprene** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C78-79-5**  
 Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC**  
 Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890**  
 Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

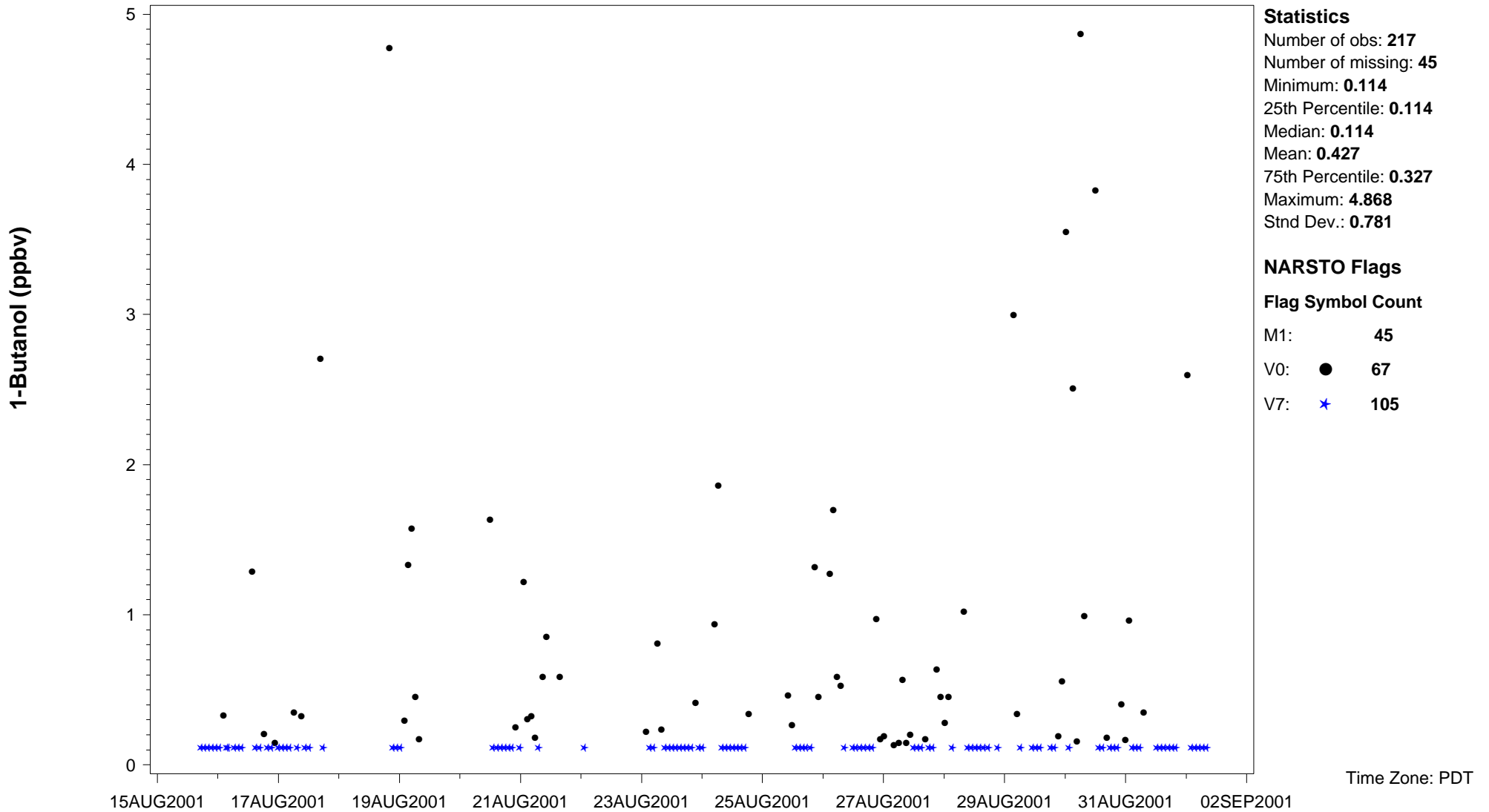


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **1-Butanol** Common Name: **1-Butanol** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C71-36-3** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

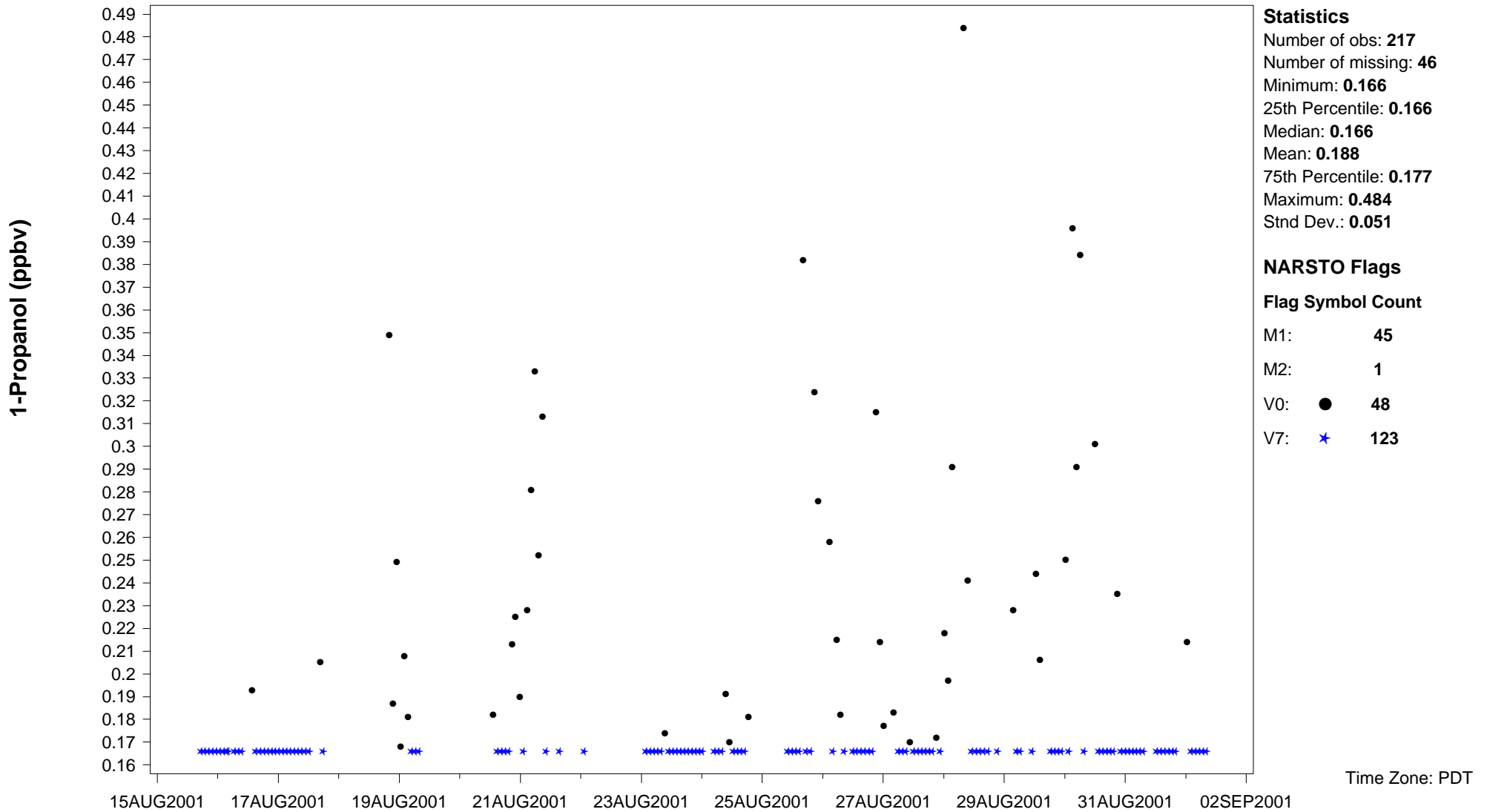
Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**



NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **1-Propanol** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C71-23-8** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**  
 Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

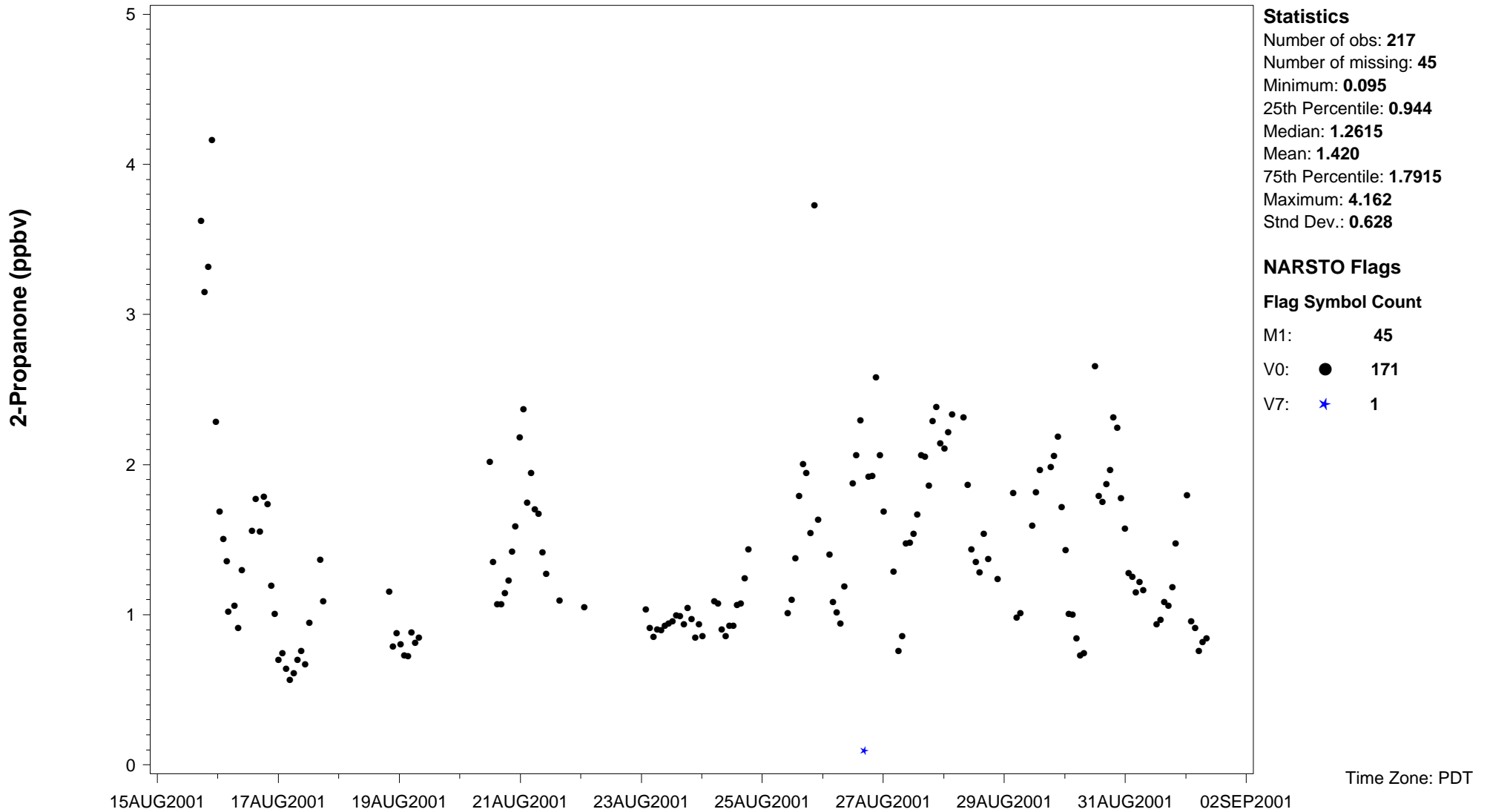


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **2-Propanone** Common Name: **Acetone** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C67-64-1** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

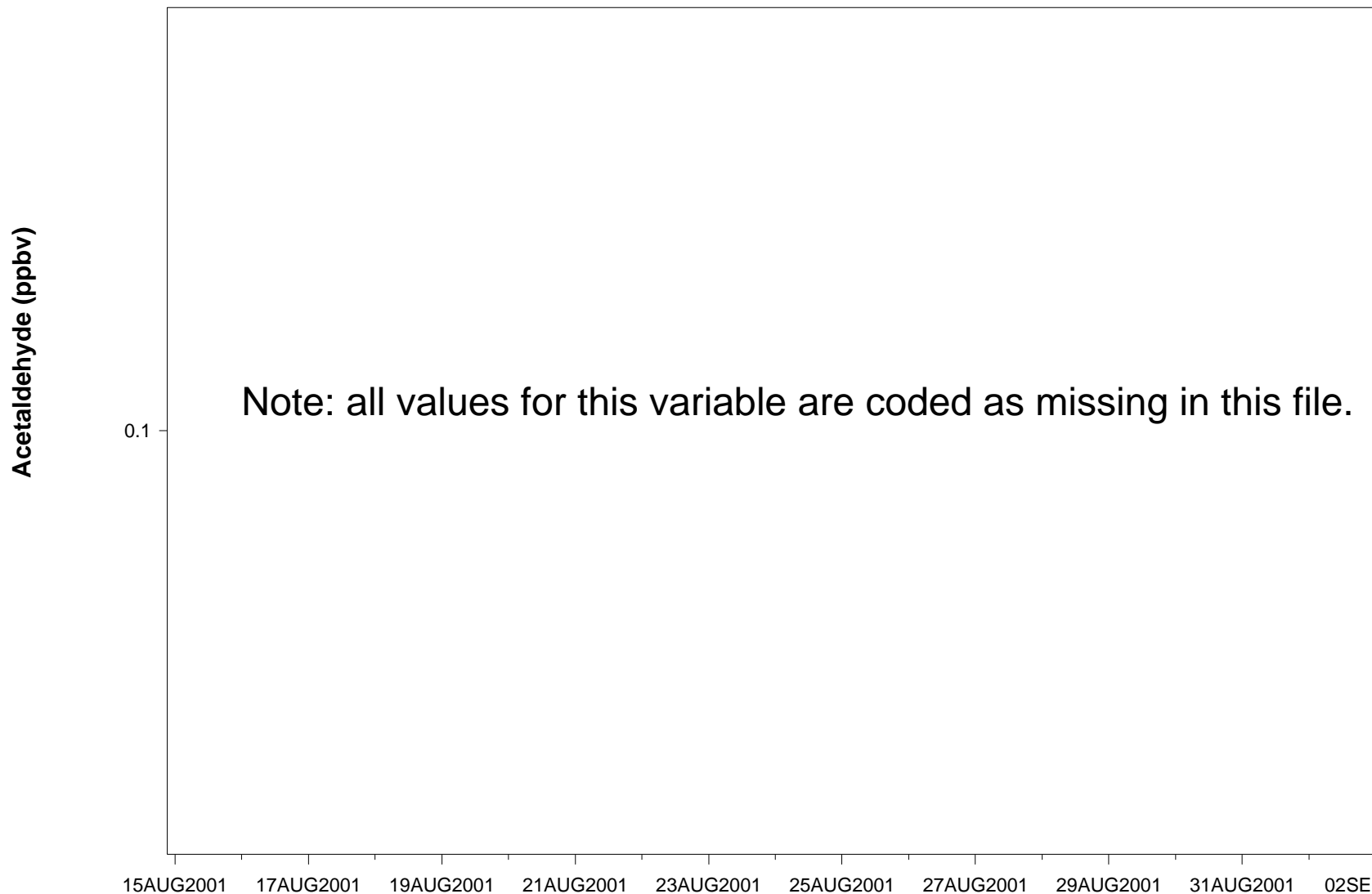
Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**





Site ID: **PC01CABCLNEL** Variable name: **Acetaldehyde** Common Name: **Acetaldehyde** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C75-07-0** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**



**Statistics**

Number of obs: **217**  
 Number of missing: **217**  
 Minimum: .  
 25th Percentile: .  
 Median: .  
 Mean: .  
 75th Percentile: .  
 Maximum: .  
 Stnd Dev.: .

**NARSTO Flags**

**Flag Symbol Count**

M1:	<b>45</b>
M2:	<b>172</b>

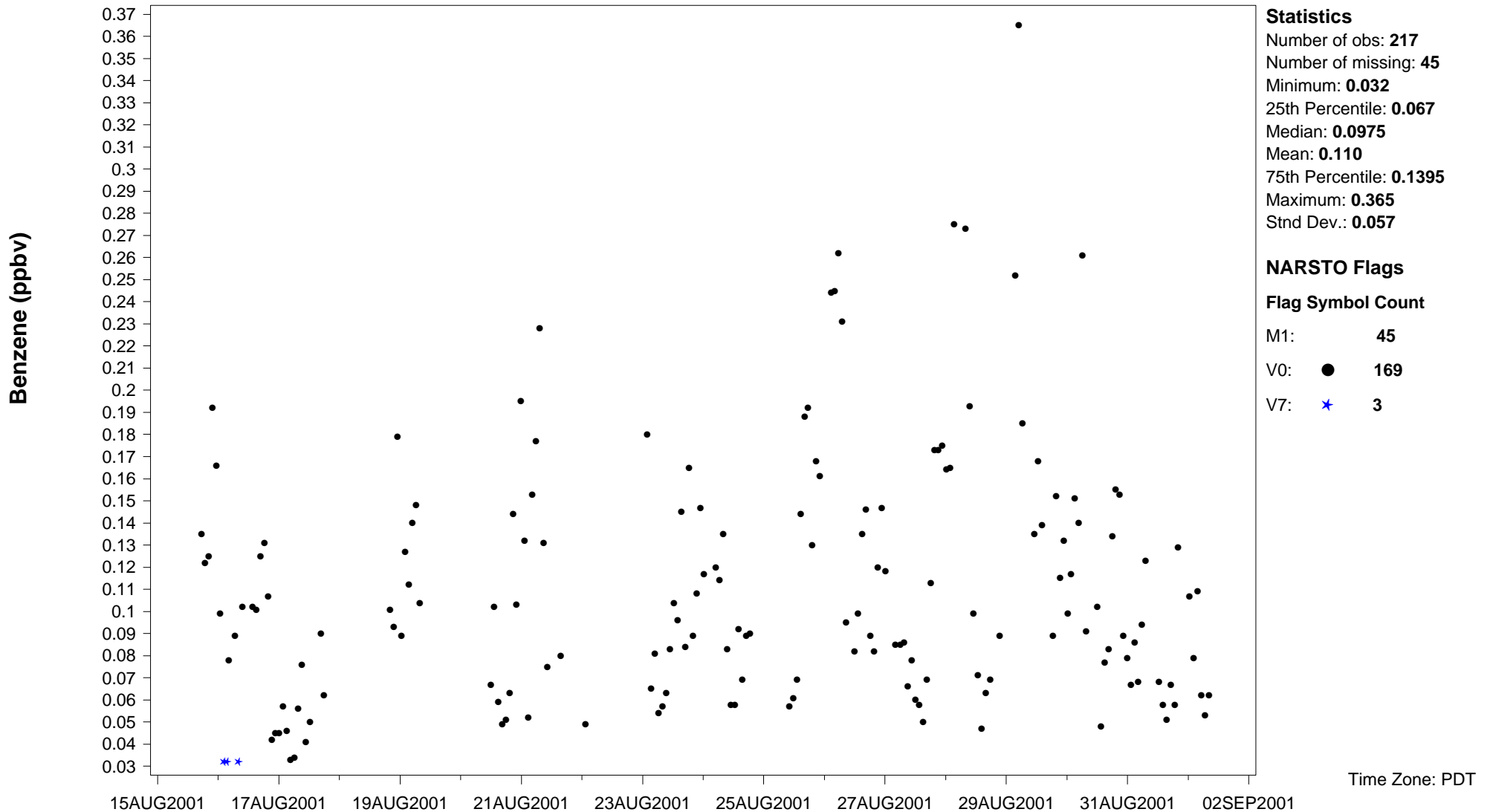
Time Zone: PDT

NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Benzene** Common Name: **Benzene** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C71-43-2** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

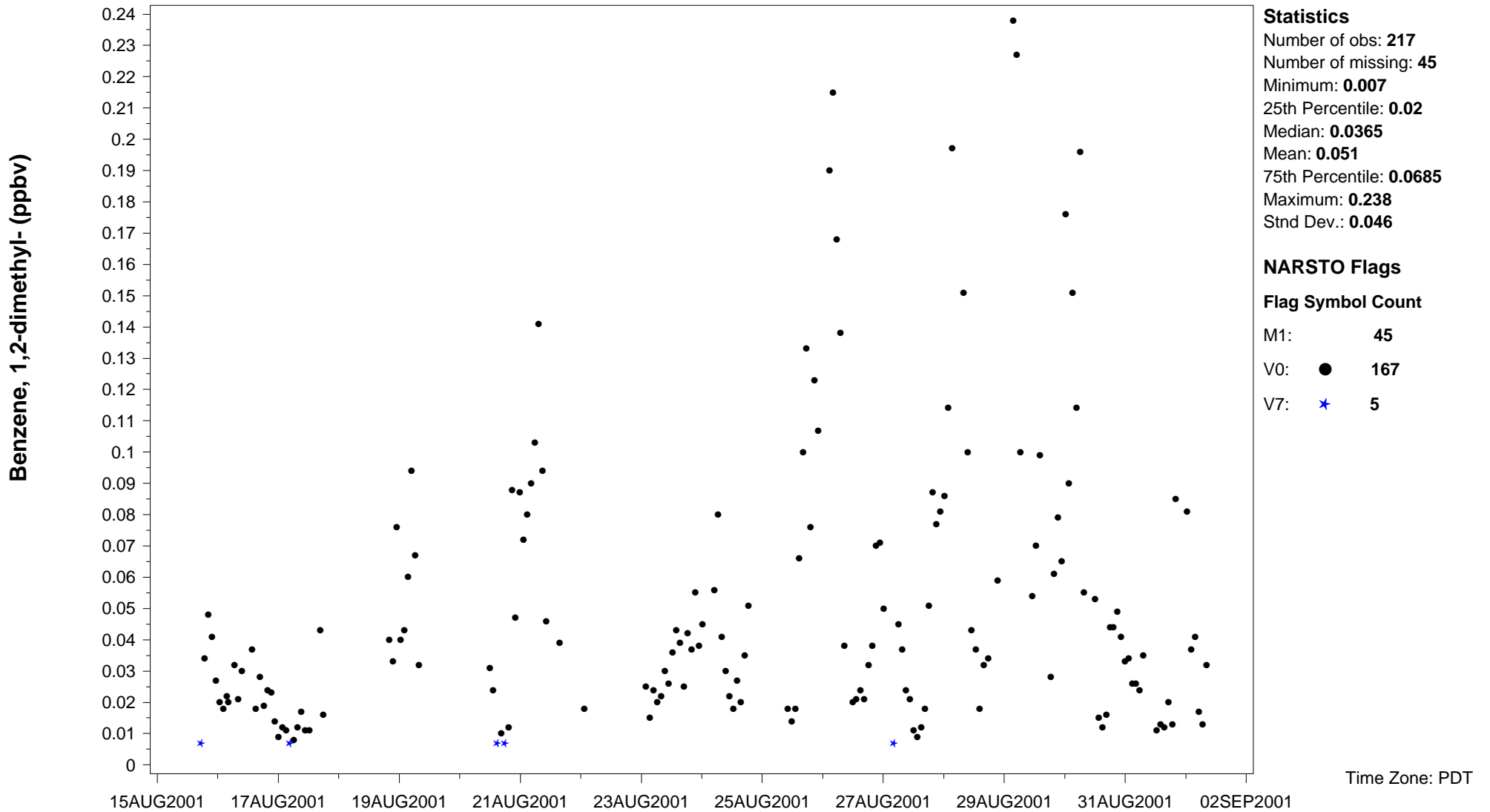


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCLNEL** Variable name: **Benzene, 1,2-dimethyl-** Common Name: **o-Xylene** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C95-47-6**  
 Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC**  
 Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890**  
 Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

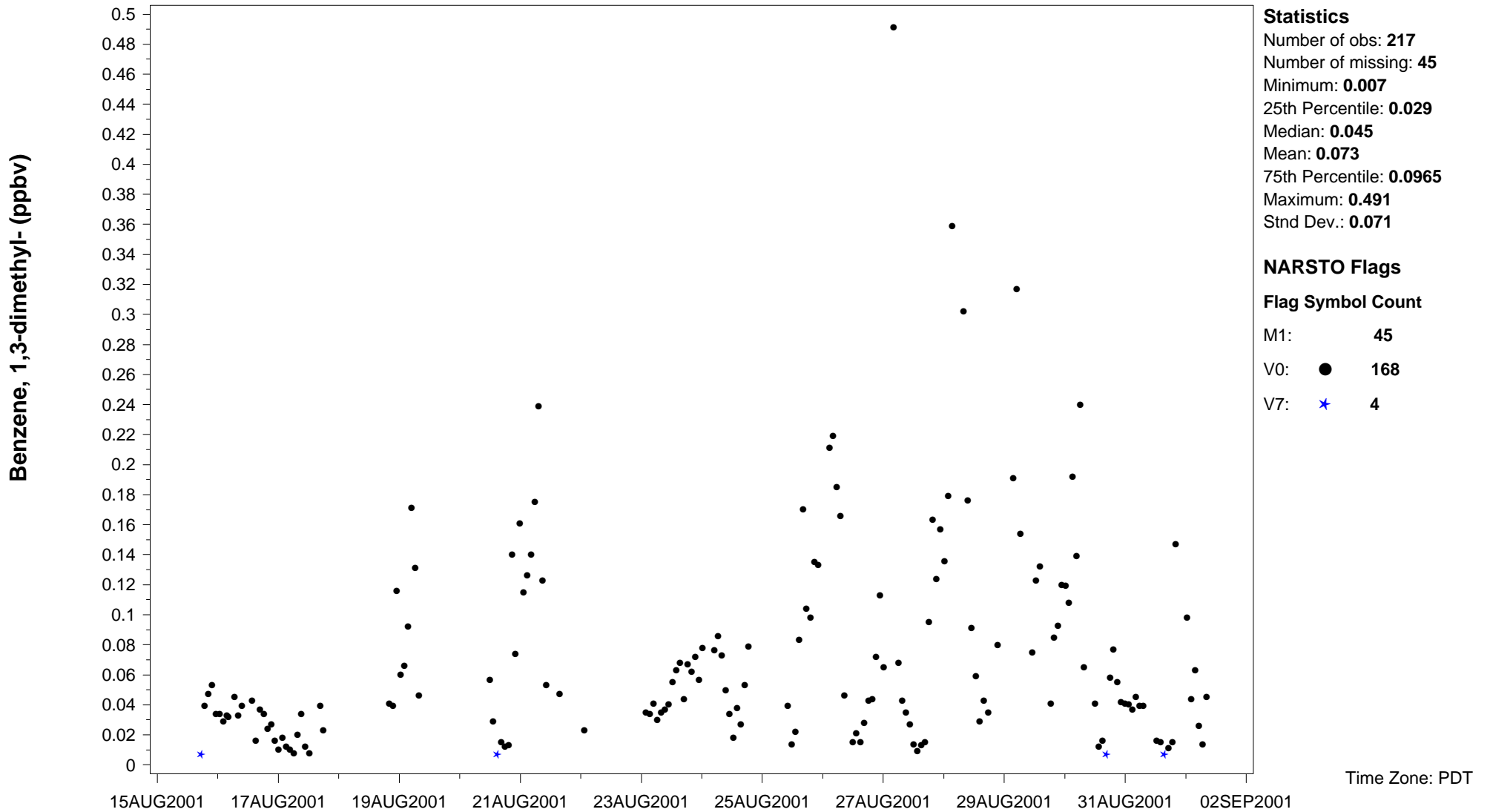


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Benzene, 1,3-dimethyl-** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C108-38-3** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

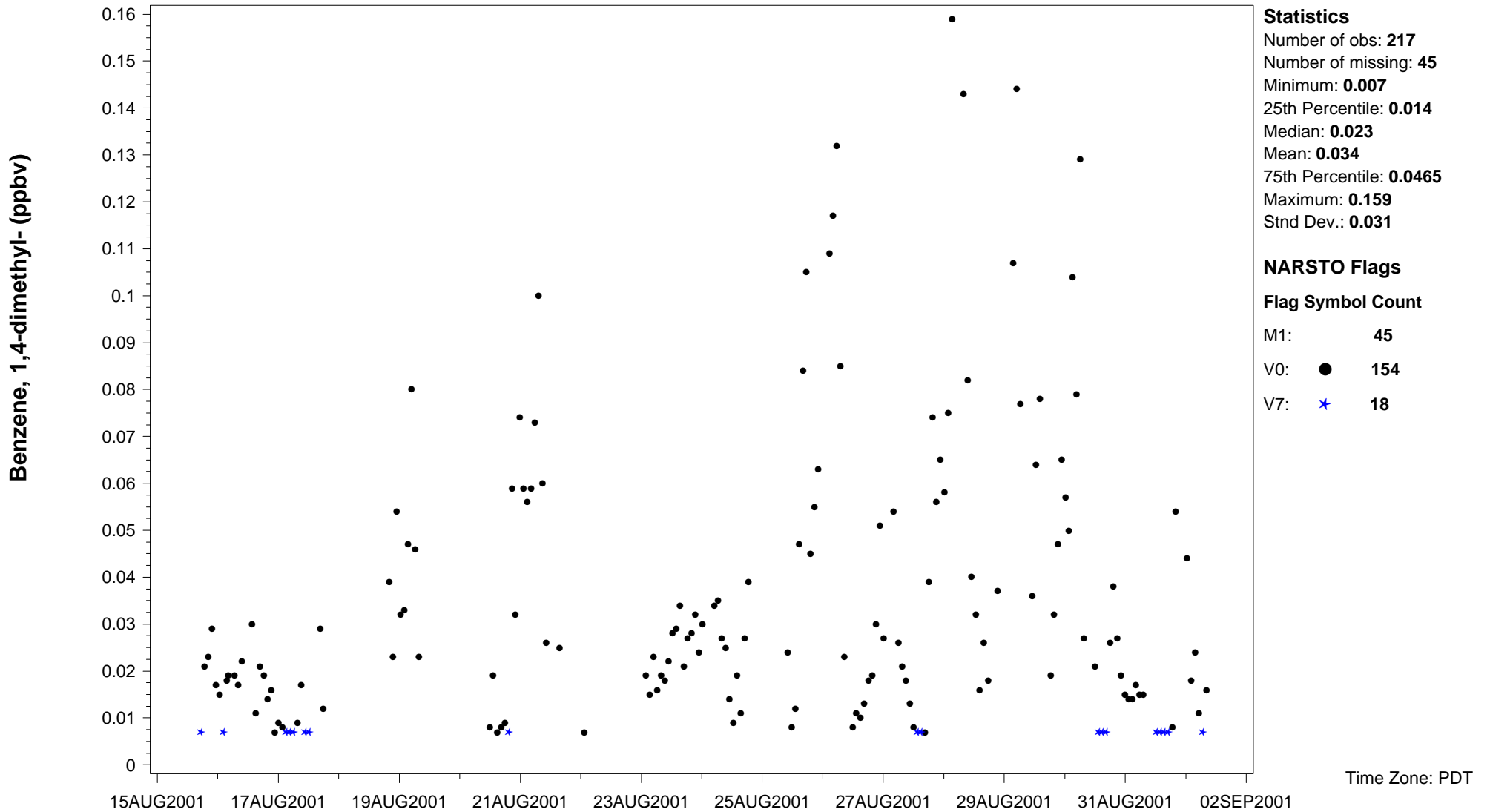


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Benzene, 1,4-dimethyl-** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C106-42-3** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

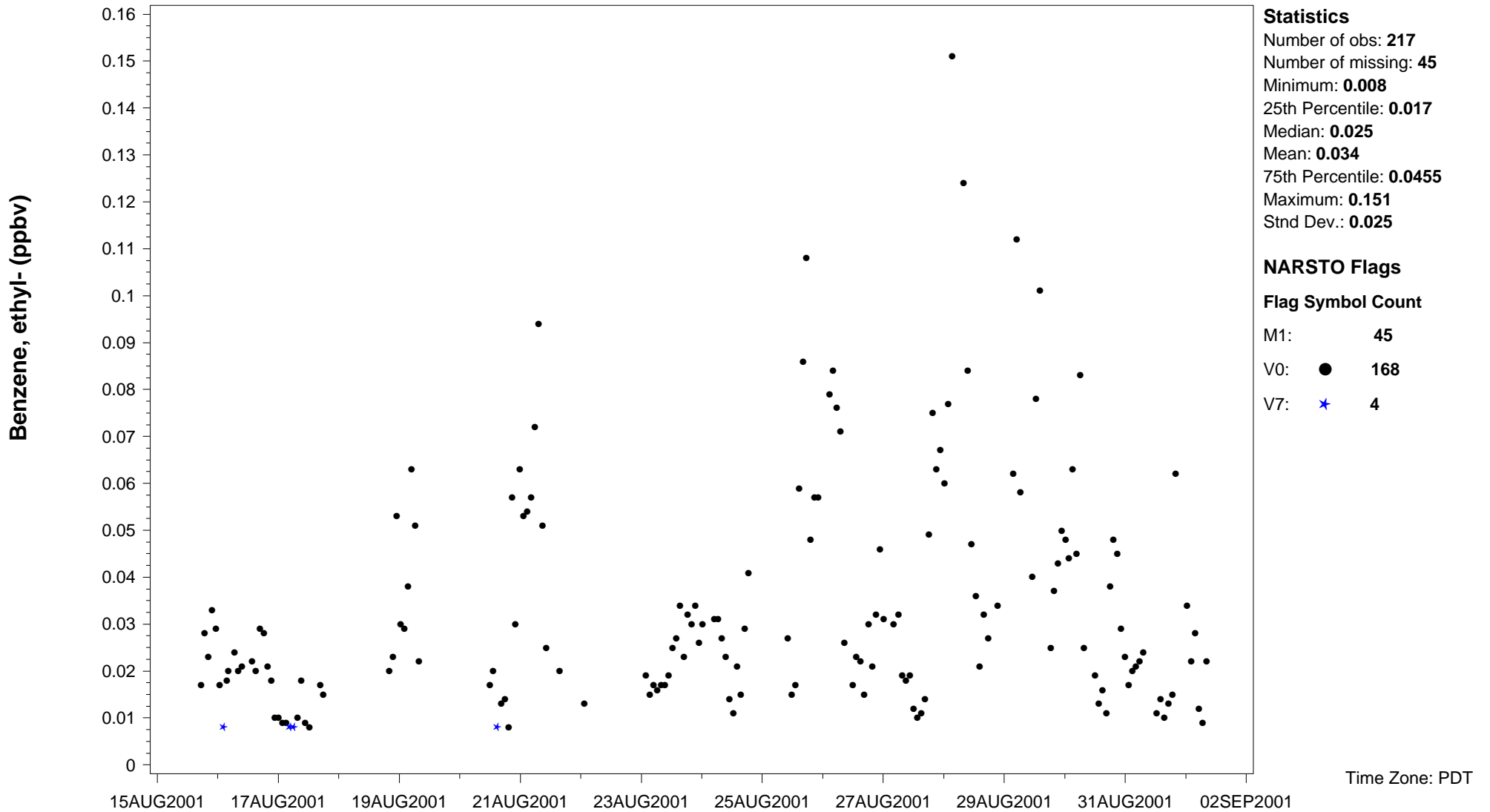


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCLNEL** Variable name: **Benzene, ethyl-** Common Name: **Ethylbenzene** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C100-41-4**  
 Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC**  
 Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890**  
 Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

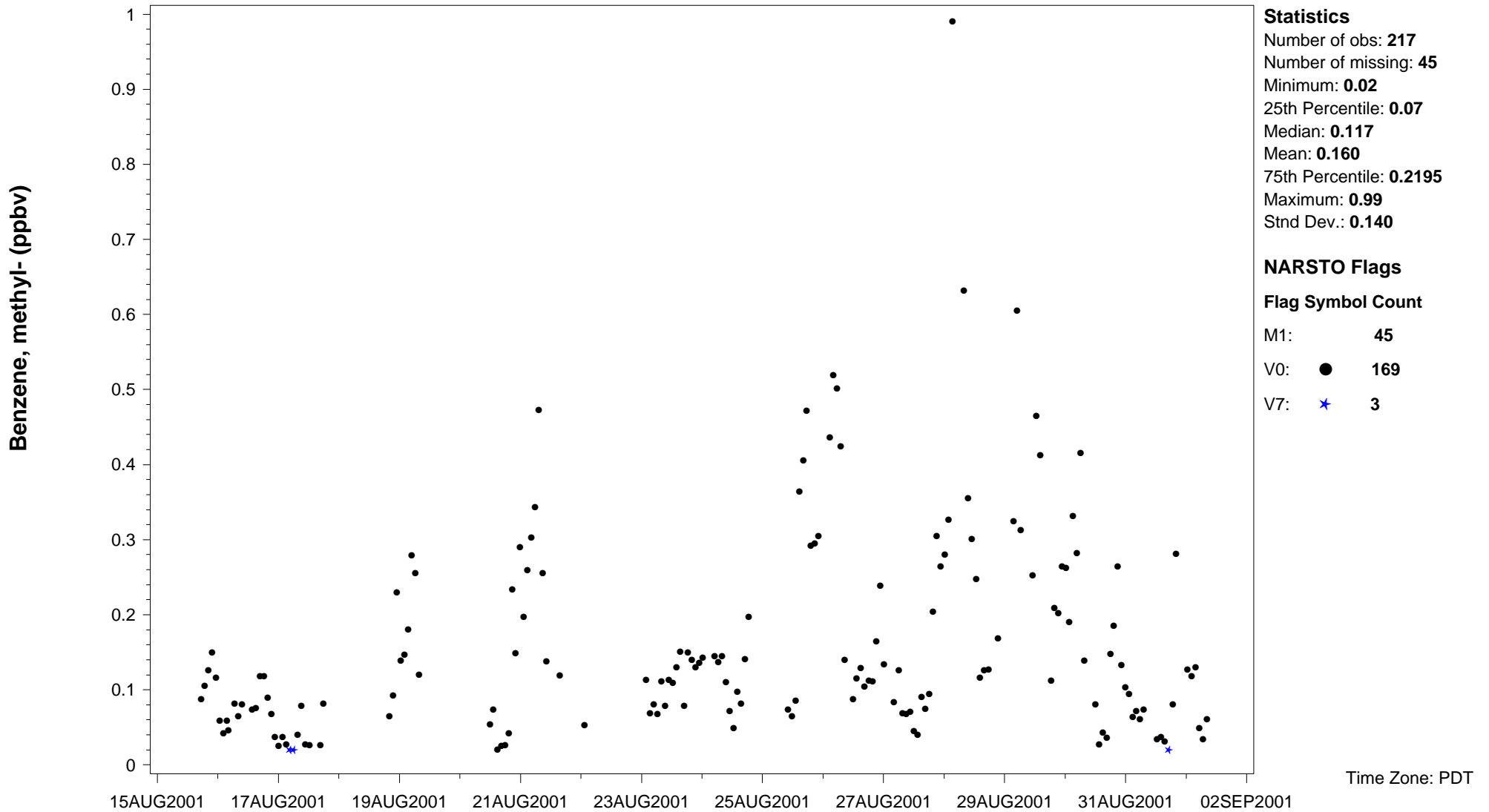


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Benzene, methyl-** Common Name: **Toluene** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C108-88-3** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**



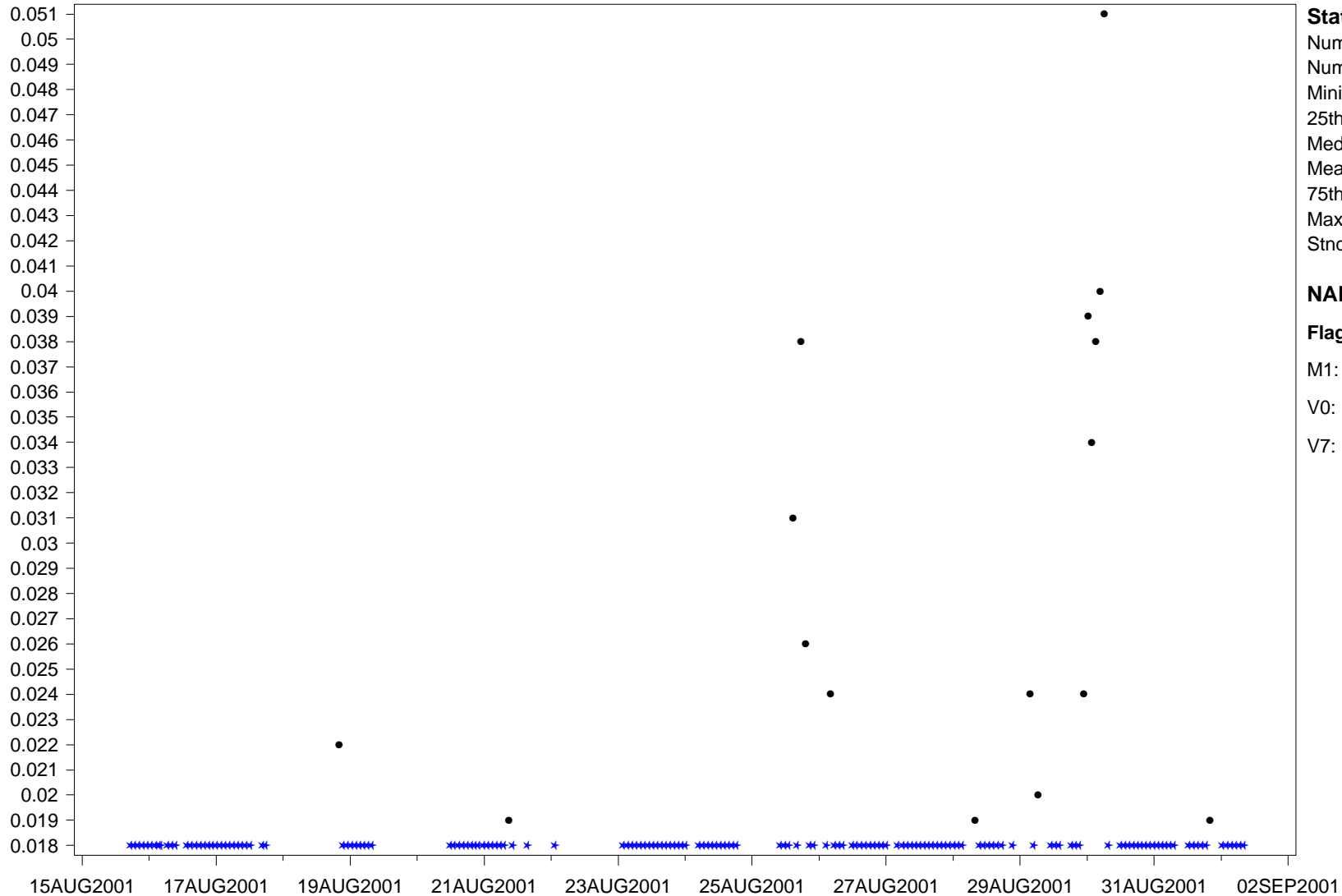
NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C79-92-5**  
 Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC**  
 Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890**  
 Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (ppbv)



**Statistics**

Number of obs: **217**  
 Number of missing: **45**  
 Minimum: **0.018**  
 25th Percentile: **0.018**  
 Median: **0.018**  
 Mean: **0.019**  
 75th Percentile: **0.018**  
 Maximum: **0.051**  
 Std Dev.: **0.004**

**NARSTO Flags**

**Flag Symbol Count**

M1:		<b>45</b>
V0:	●	<b>16</b>
V7:	★	<b>156</b>

Time Zone: PDT

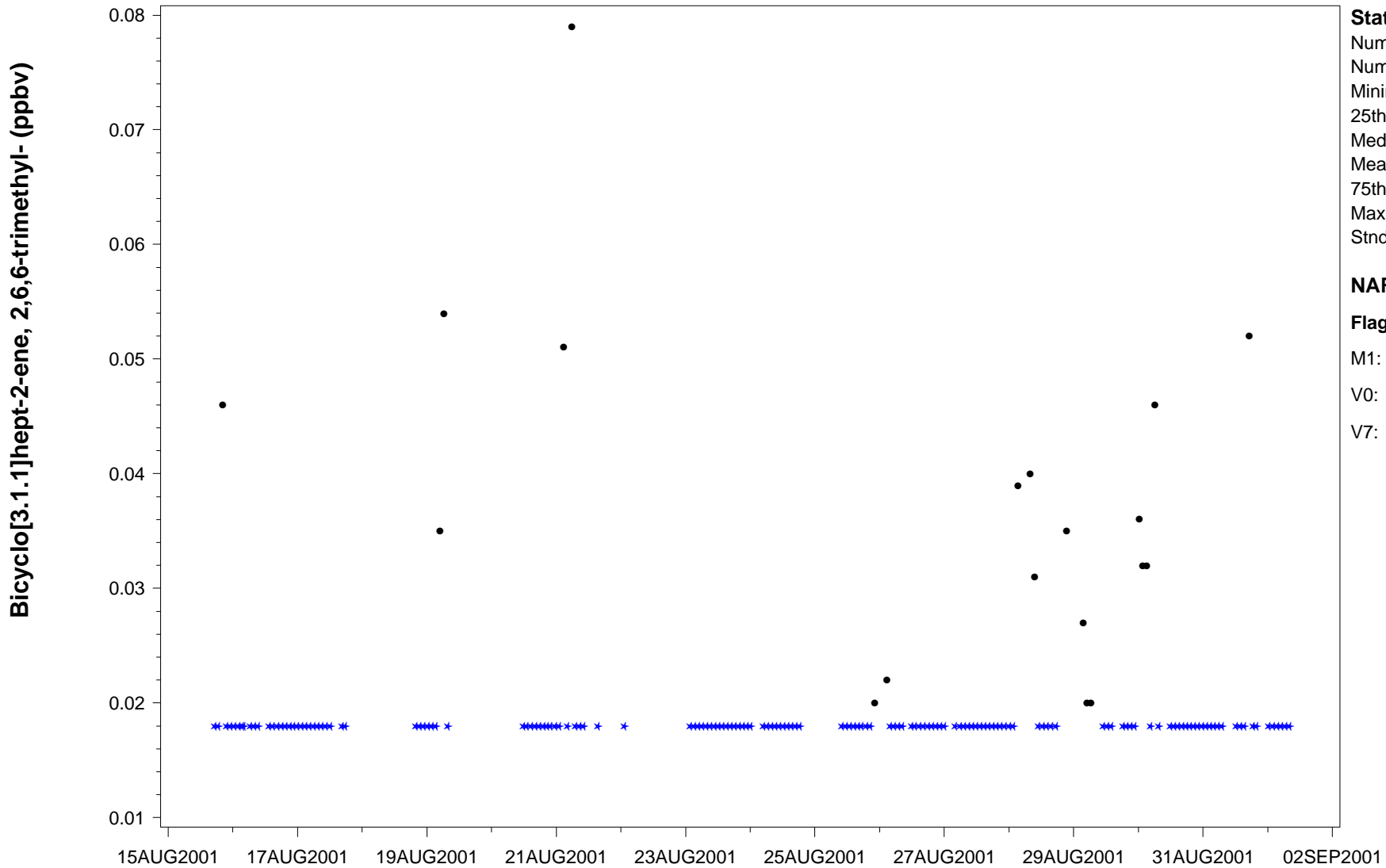


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-** Common Name:  **$\alpha$ -Pinene** Units: **ppbv** Sampling interval: **Grab**  
 CAS ID: **C80-56-8** Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line**  
 Laboratory analytical method: **GC** Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined**  
 Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**



**Statistics**

Number of obs: **217**  
 Number of missing: **45**  
 Minimum: **0.018**  
 25th Percentile: **0.018**  
 Median: **0.018**  
 Mean: **0.020**  
 75th Percentile: **0.018**  
 Maximum: **0.079**  
 Std Dev.: **0.008**

**NARSTO Flags**

**Flag Symbol Count**

M1:		<b>45</b>
V0:	●	<b>19</b>
V7:	★	<b>153</b>

Time Zone: PDT

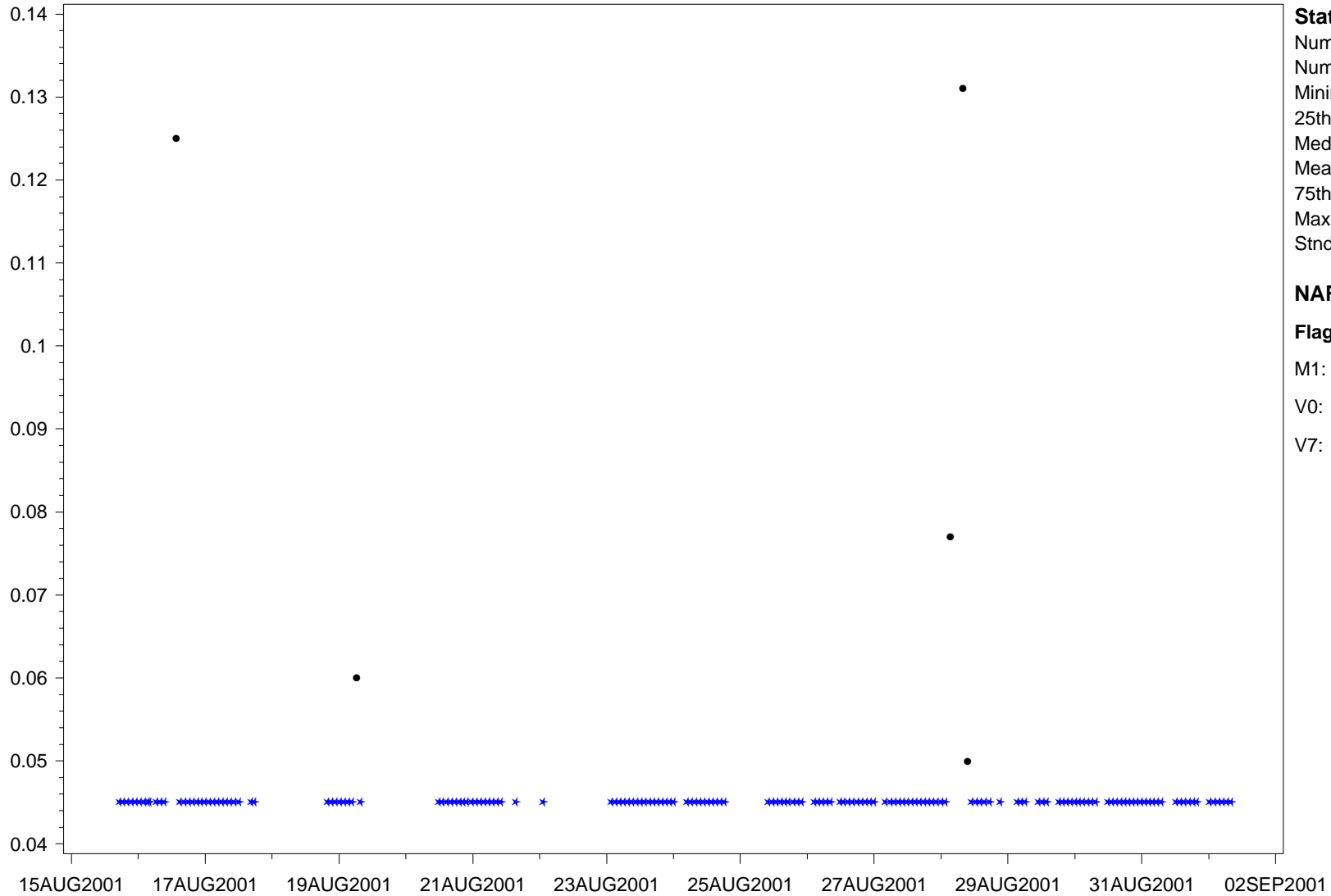
NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCLNEL** Variable name: **Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-** Common Name: **b-Pinene** Units: **ppbv** Sampling interval: **Grab**  
 CAS ID: **C127-91-3** Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line**  
 Laboratory analytical method: **GC** Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined**  
 Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- (ppbv)



**Statistics**

Number of obs: **217**  
 Number of missing: **45**  
 Minimum: **0.045**  
 25th Percentile: **0.045**  
 Median: **0.045**  
 Mean: **0.046**  
 75th Percentile: **0.045**  
 Maximum: **0.131**  
 Std Dev.: **0.009**

**NARSTO Flags**

**Flag Symbol Count**

M1:		<b>45</b>
V0:	●	<b>5</b>
V7:	★	<b>167</b>

Time Zone: PDT

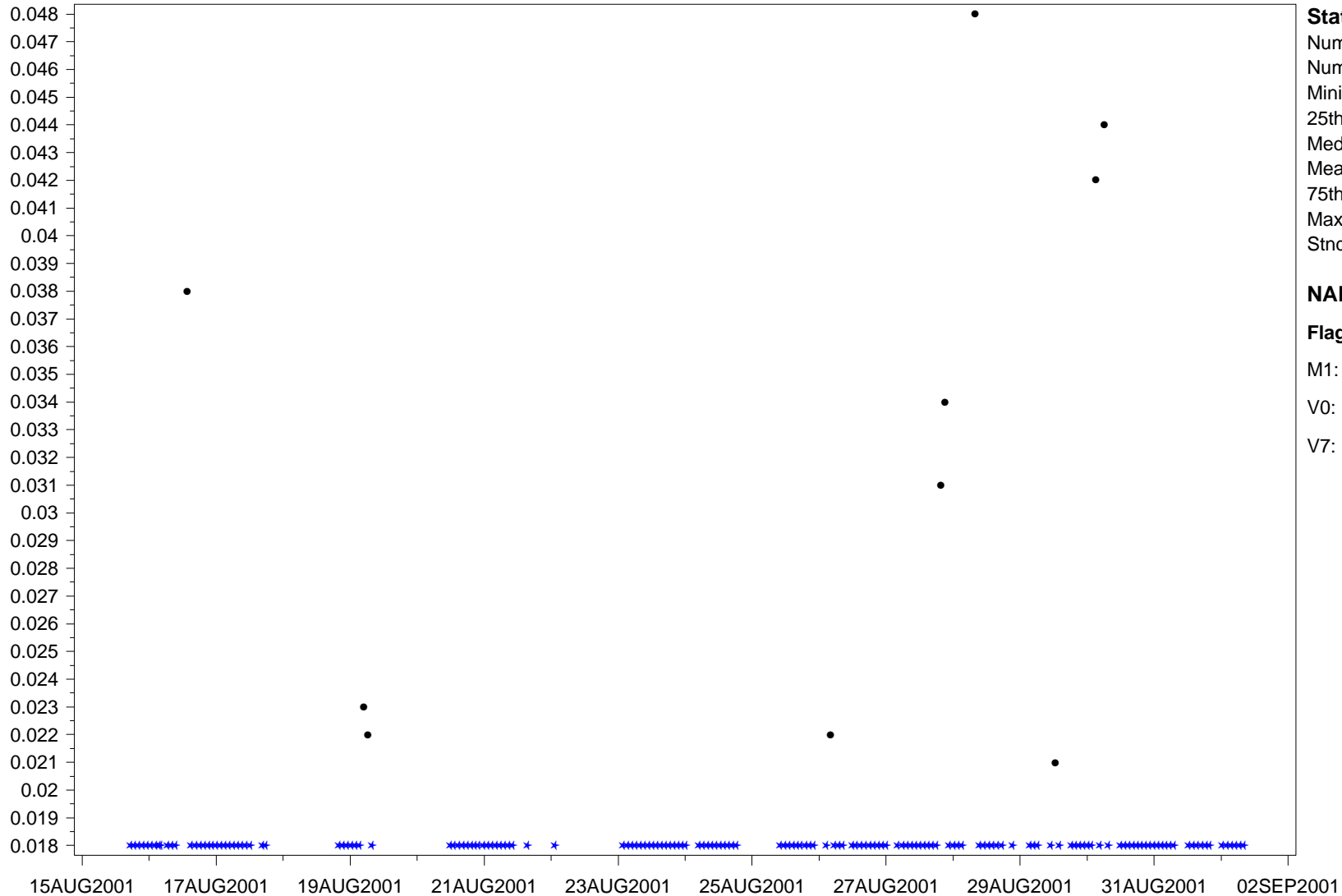
NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C5989-27-5**  
 Observation type: **Gas** Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC**  
 Blank Correction: **Blank corrected** Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890**  
 Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (ppbv)



**Statistics**

Number of obs: **217**  
 Number of missing: **45**  
 Minimum: **0.018**  
 25th Percentile: **0.018**  
 Median: **0.018**  
 Mean: **0.019**  
 75th Percentile: **0.018**  
 Maximum: **0.048**  
 Stnd Dev.: **0.004**

**NARSTO Flags**

**Flag Symbol Count**

M1:	45
V0: ●	10
V7: ★	162

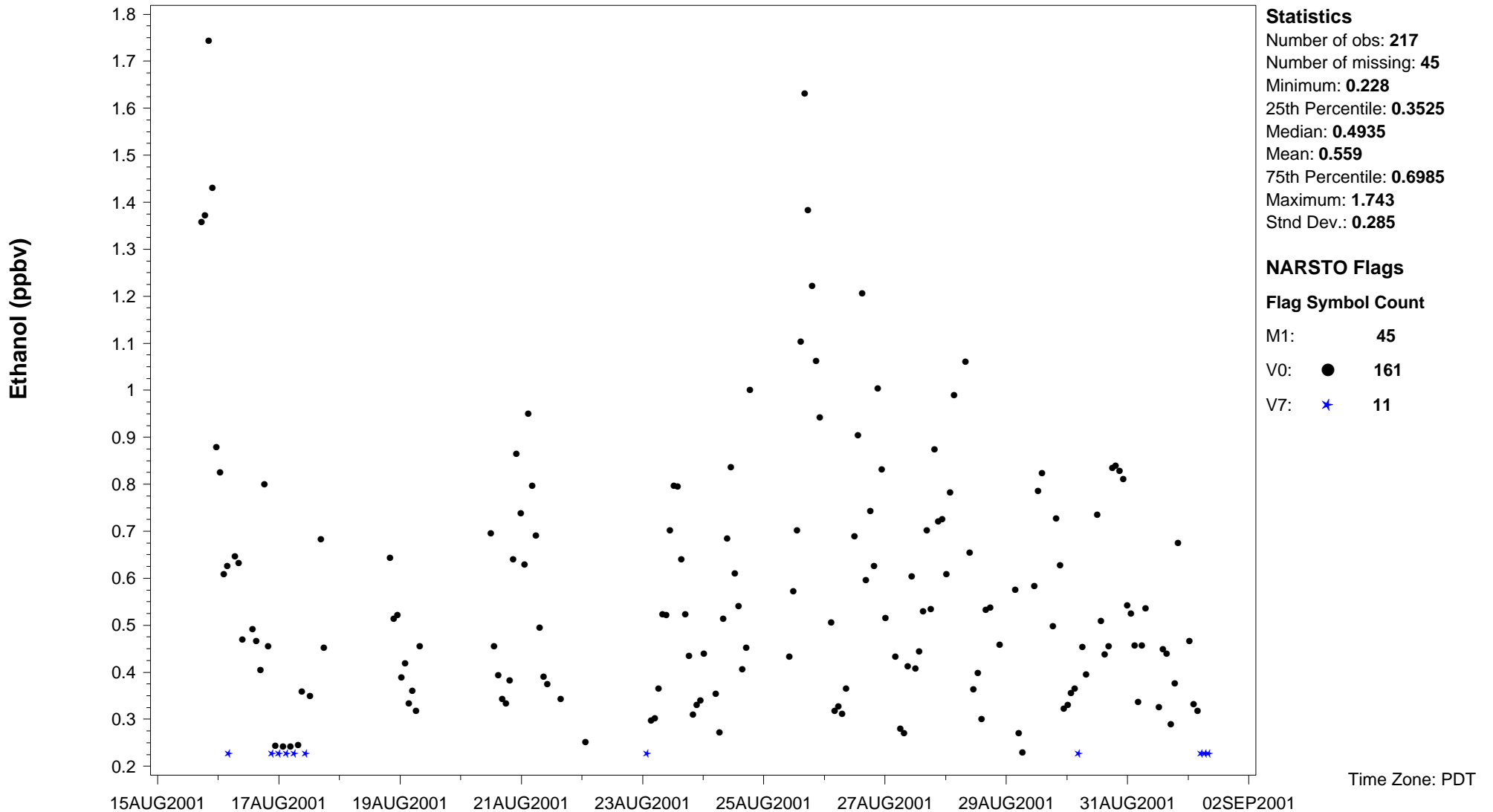
Time Zone: PDT

NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Ethanol** Common Name: **Ethanol** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C64-17-5** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

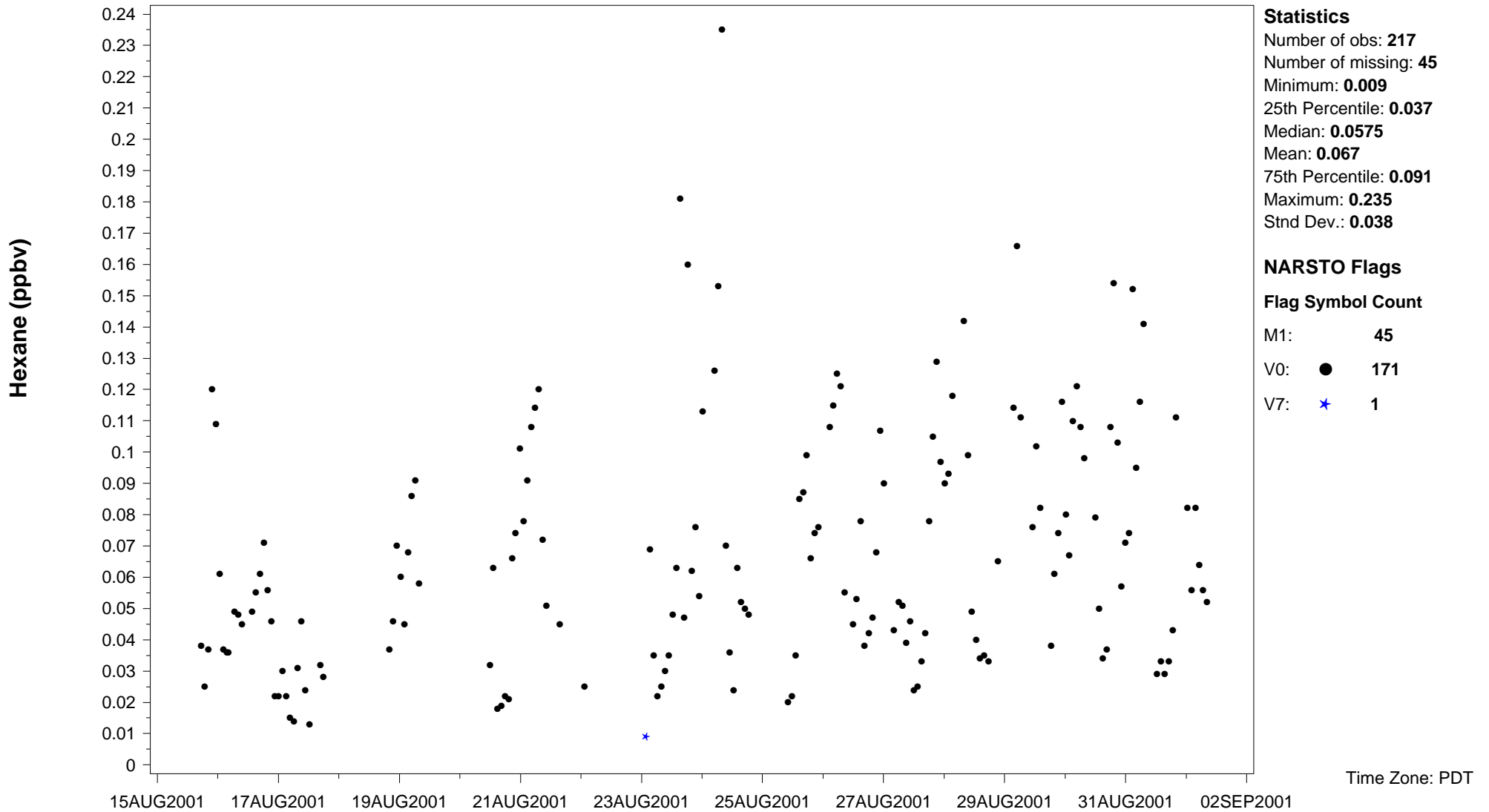


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Hexane** Common Name: **Hexane** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C110-54-3** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

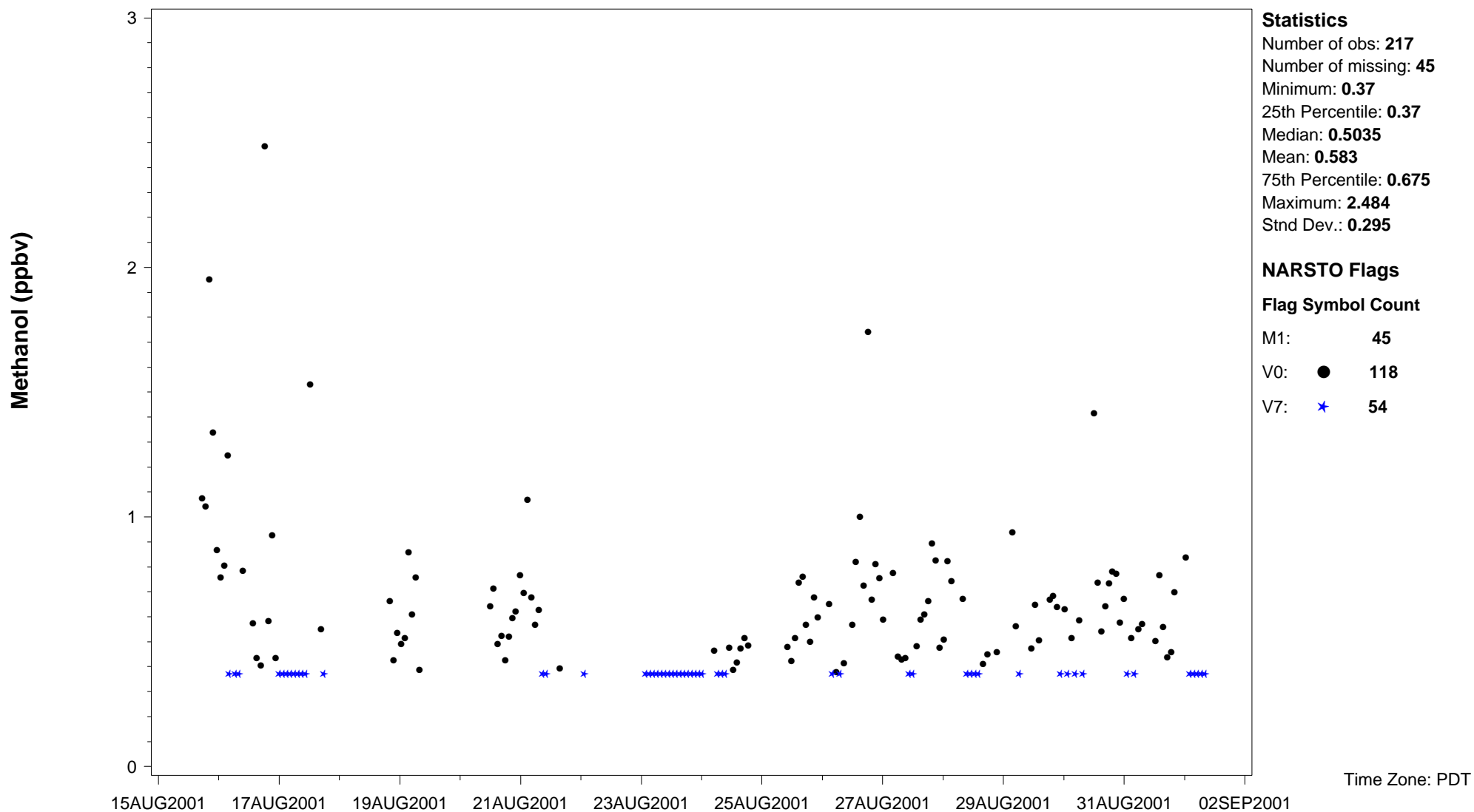


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Methanol** Common Name: **Methanol** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C67-56-1** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**



NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABLNEL** Variable name: **Propanal** Common Name: **Propanal** Units: **ppbv** Sampling interval: **Grab** CAS ID: **C123-38-6** Observation type: **Gas**  
 Field sampling or measurement principle: **GC-FID** Inlet type: **Open sampling line** Laboratory analytical method: **GC** Blank Correction: **Blank corrected**  
 Sampling Height above ground (m): **Undetermined** Instrument name and model number: **HP 5890** Measurement principal investigator: **Peter Brickell**

Site Name: **Lochiel School, British Columbia** Latitude: **49.0174 deg.** Longitude: **-122.3617 deg.** Start Date: **2001-08-15** End Date: **2001-09-01**

