	File #	Original File Name
	1	ENVCAN_SHEMP_VAN_JRB_ORG+INORG_VAPS_2000_2002_V1.csv

Dataset Key Phrases

	Principal Investigator Namelast		File Contents Descriptionshort	
Data Exchange Standard Version	first	Principal Investigator Affiliation	long	Sampling Interval As Reported in Main Table
NARSTO 2002/05/28 (2.301)	Brook ; Jeffrey	Environment Canada, Meteorological	air-filter-meas ; Air filter	24 hour
		Service of Canada	measurements	

Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym
Every day	1	ENVCAN_MSC			ENVCAN_SHEMP
			CanadaMeteorological	Service of Canada, 4905 Dufferin St.,	
			Service of Canada	Toronto, Ont. M3H 5T4	

				Co-investigator Namelast	
Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	first	Co-investigator Affiliation
Environment CanadaStudy of	CA	BC	Environment Canada, Meteorological Service of	None ; None	None
the Health Effects of the Mix of			Canada, 4905 Dufferin St., Toronto, Ont. M3H 5T4		
Urban Air Pollutants					

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
Bill Sukloff, Environment Canada (MSC)	2003/02/10	MS Excel/2002

Companion File Name	Date This File Generated		
format And Version	archive Version Number	Table Explanation Of Zero Or Negative Values	Table Explanation Of Reported Detection Limit Values
None ; None	-		Detection limits determined as 3SD of field blanks divided mean
		laboratory analysis results with blank correction, if required,	sample volume and are reported with each measurement.
		and are flagged as BDL	

Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
no uncertainty reported	None	None			air_filter_meas	Surfacefixed

Site Information

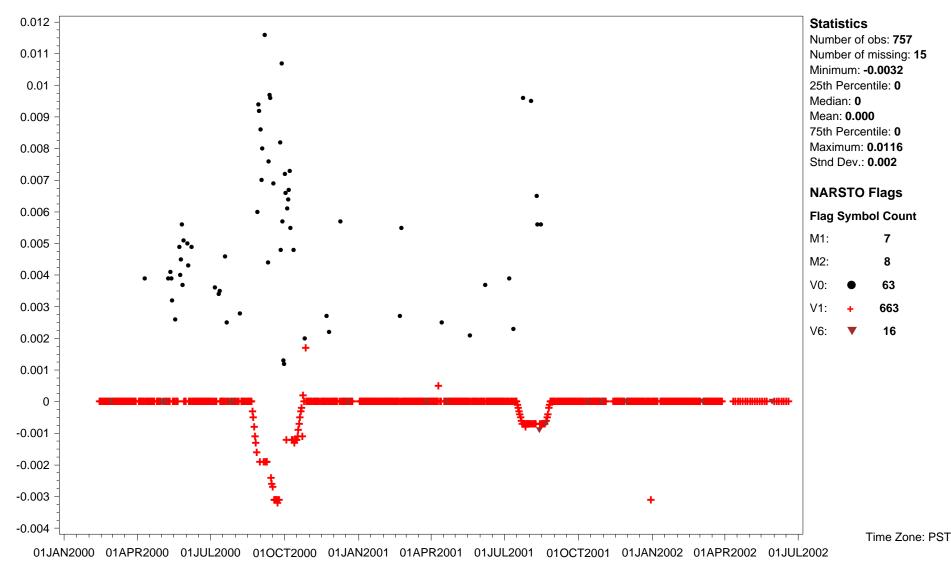
Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree		Ground elevation above sea level (m)	Site land use
SHEMCABCVAN_	Vancouver	BC	49.21556	-121.98250	10.7	145.0	Residential
						-	

				Co-incident		Lat
Site ID	Site location setting	Measurement start date	Measurement end date	measurements	Study site ID	Ion accuracy
SHEMCABCVAN_	Suburban	2000/02/14	2002/06/19	None		

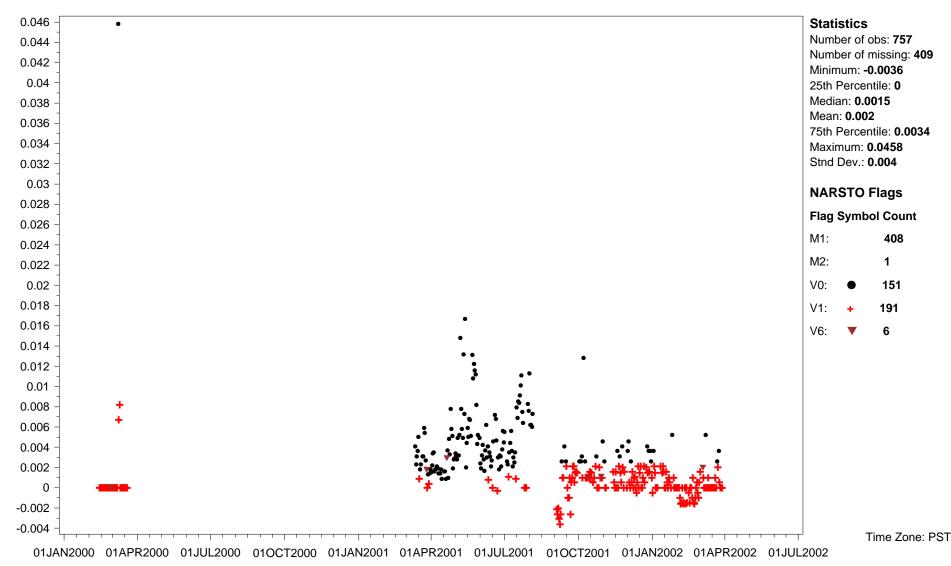
NARSTO Standard Flags

Flag: NARSTO	Description
M1	Missing value because no value is available
M2	Missing value because invalidated by Data Originator
VO	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V6	Valid value but qualified due to non-standard sampling conditions

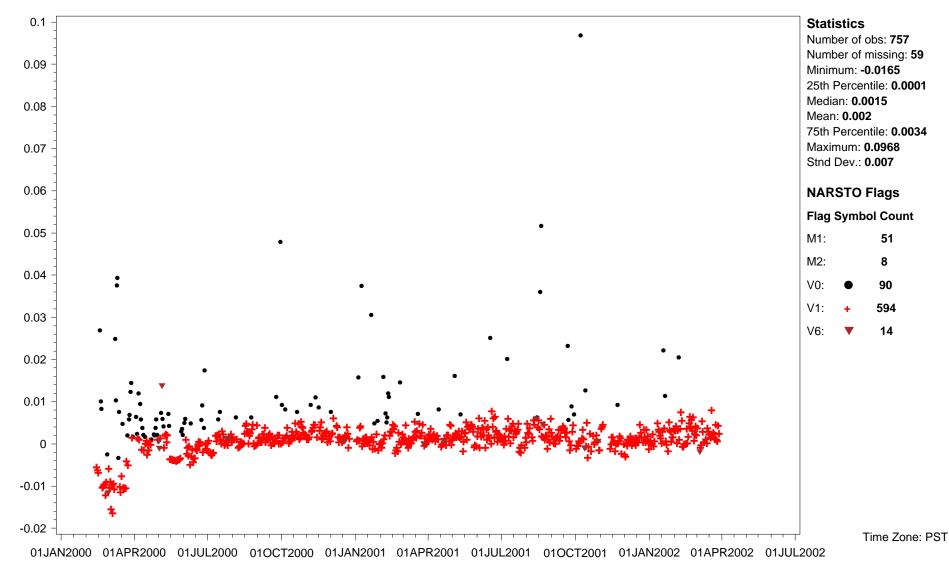
Site ID: SHEMCABCVAN_ Variable name: 1,2-Benzenedicarboxylic acid, ion(2-) Common Name: Phthalic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C3198-29-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



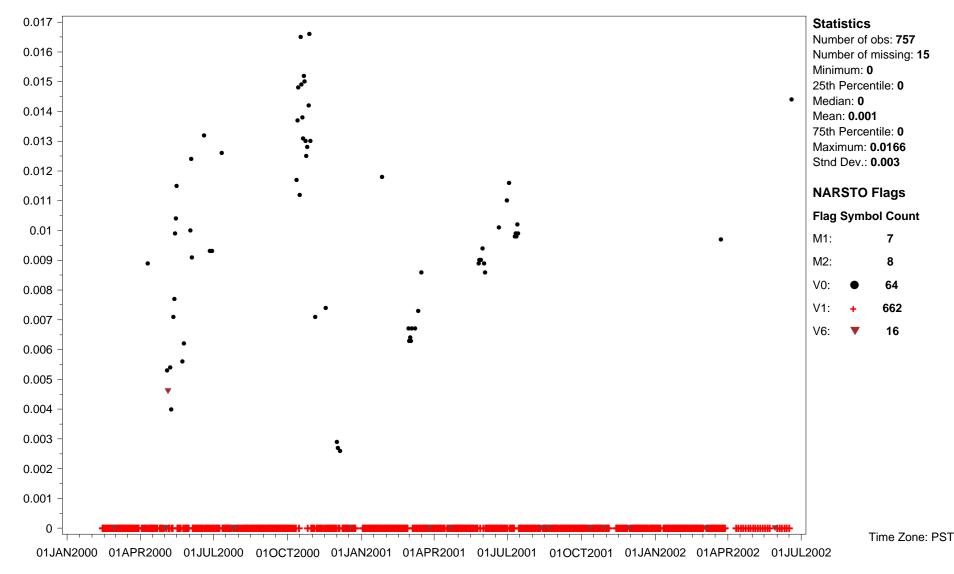
Site ID: SHEMCABCVAN_ Variable name: Acetic acid, hydroxy-, ion(1-) Common Name: Glycolic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C666-14-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



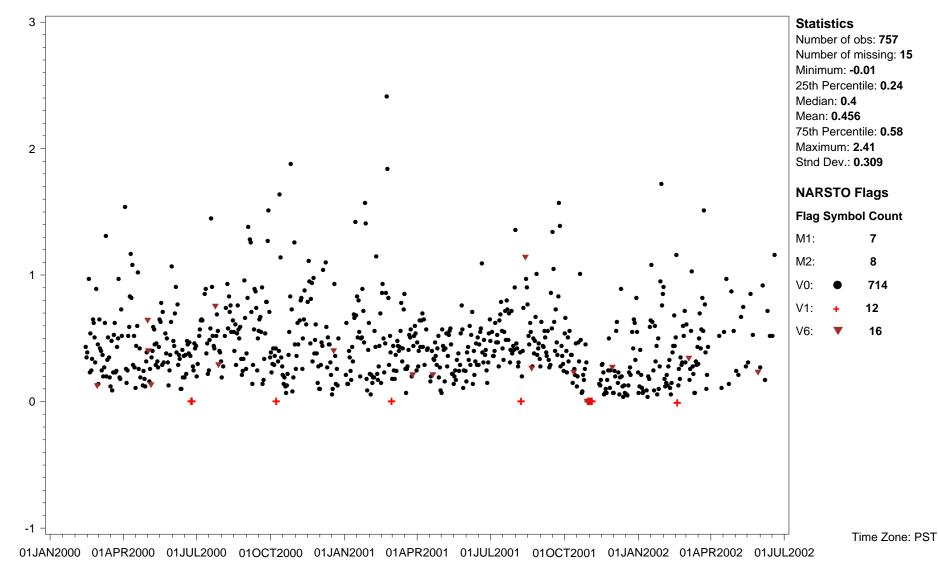
Site ID: SHEMCABCVAN_ Variable name: Acetic acid, ion(1-) Common Name: Acetate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C71-50-1 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



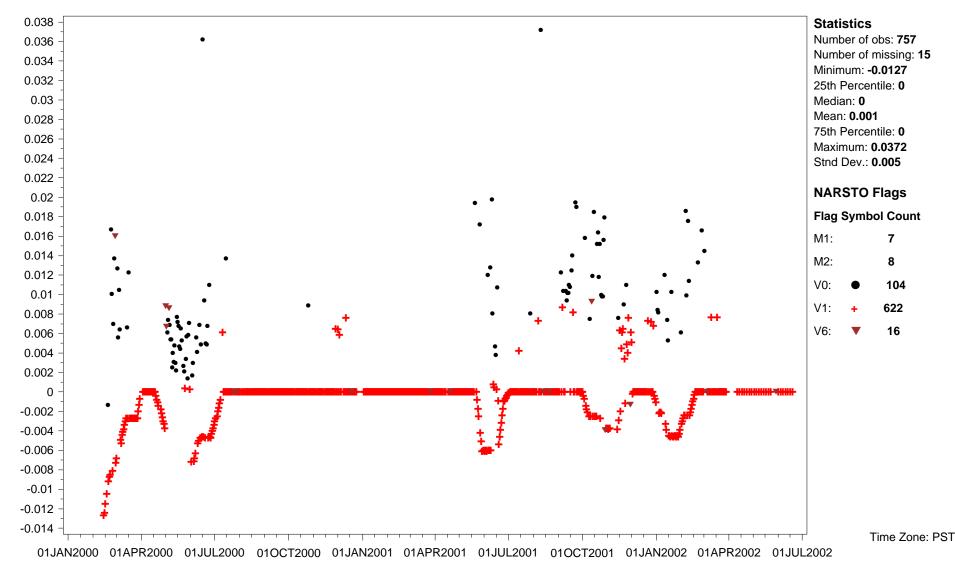
Site ID: SHEMCABCVAN_ Variable name: Acetic acid, oxo-, ion(1-) Common Name: Glyoxylic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C430-75-1 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



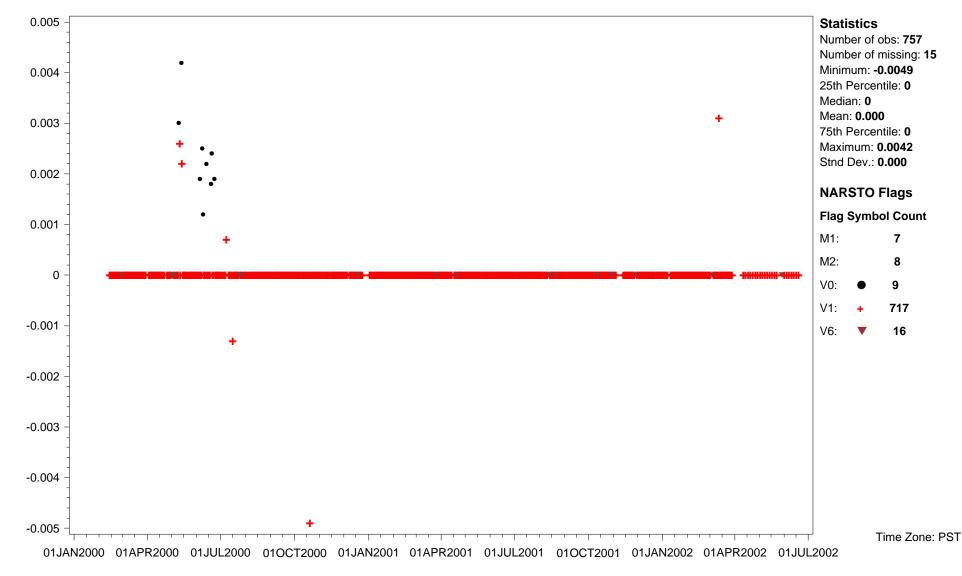
Site ID: SHEMCABCVAN_ Variable name: Ammonium ion (NH4) Common Name: NH4+ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14798-03-9 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



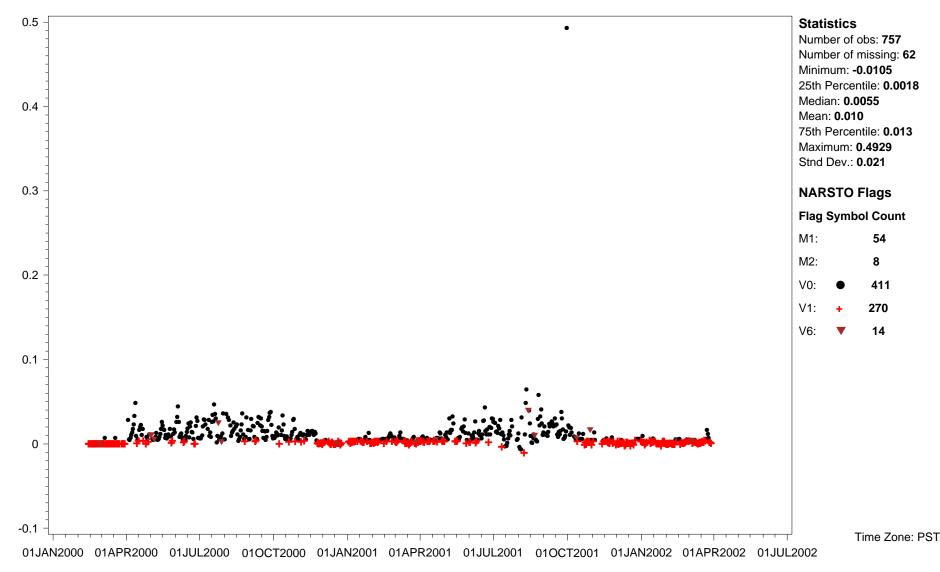
Site ID: SHEMCABCVAN_ Variable name: Benzoic acid, ion(1-) Common Name: benzoic acid anion Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C766-76-7 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



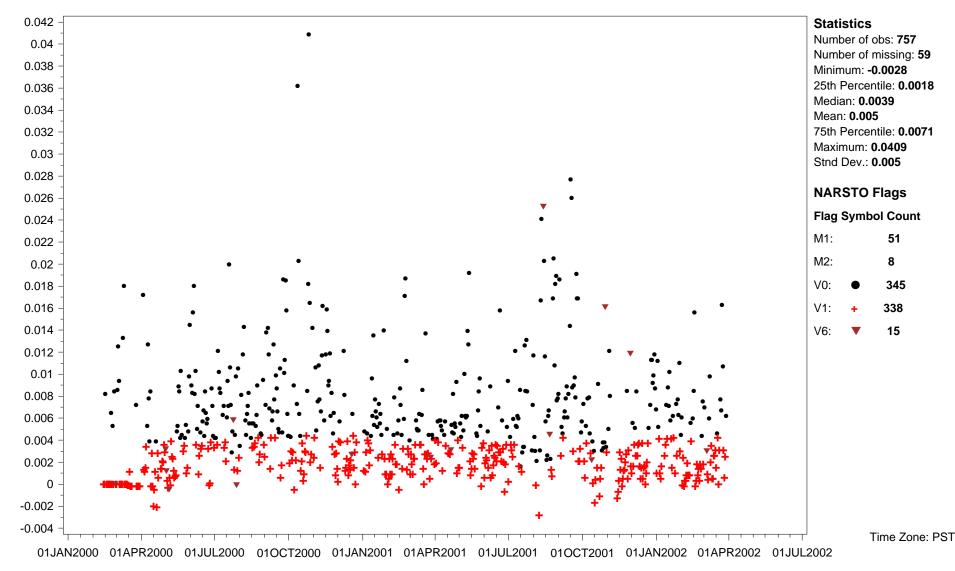
Site ID: SHEMCABCVAN_ Variable name: Bromide Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C24959-67-9 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



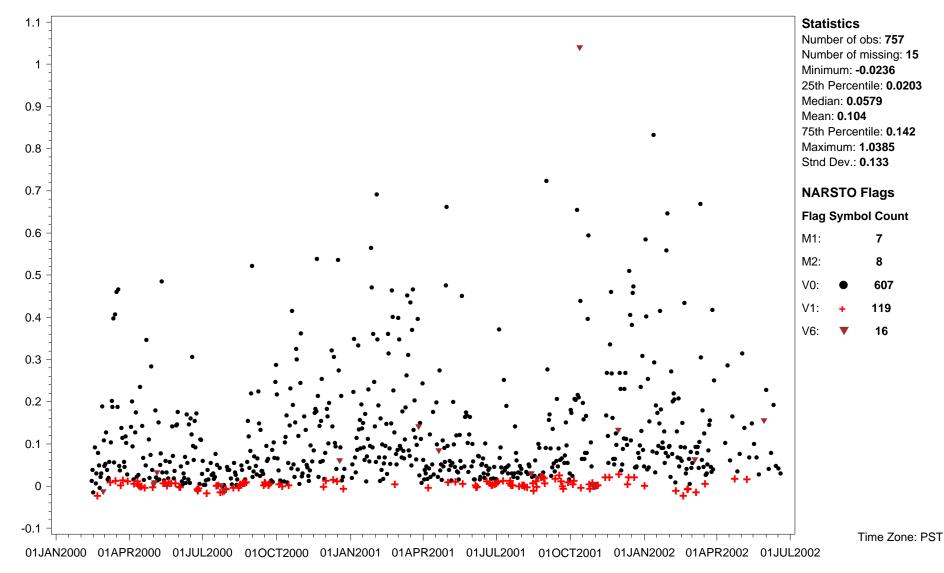
Site ID: SHEMCABCVAN_ Variable name: Butanedioic acid, hydroxy-, ion(2-) Common Name: Malic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C149-61-1 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



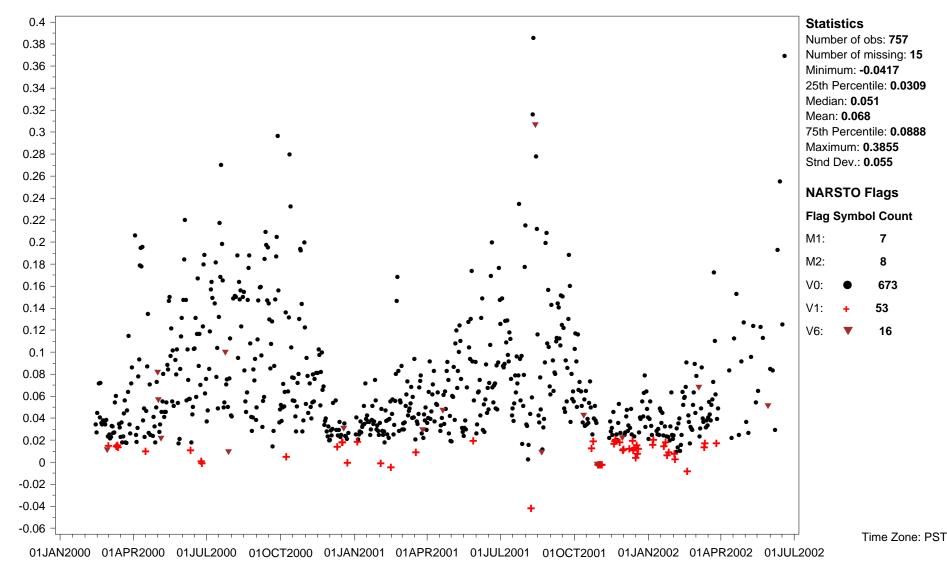
Site ID: SHEMCABCVAN_ Variable name: Butanedioic acid, ion(2-) Common Name: Succinic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C56-14-4 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



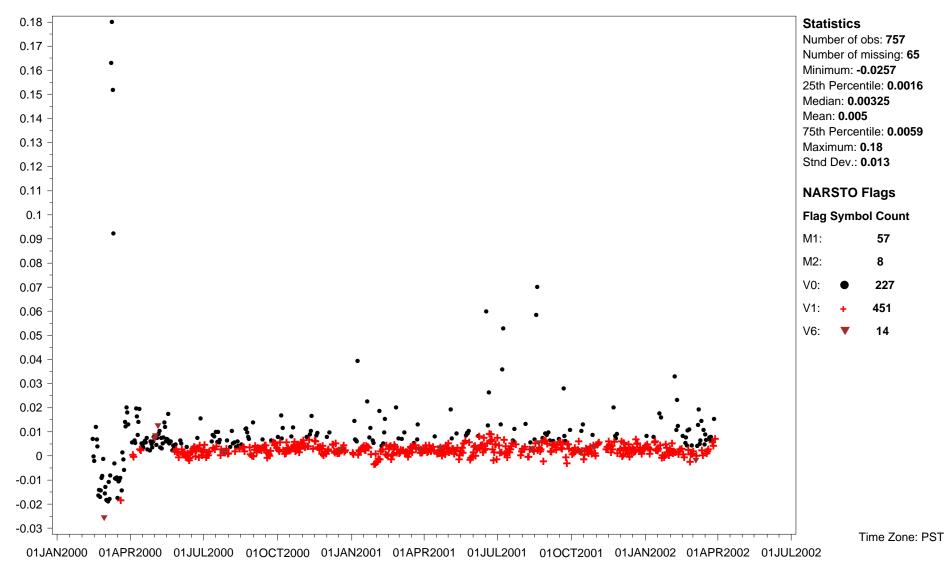
Site ID: SHEMCABCVAN_ Variable name: Chloride Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C16887-00-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection Iim



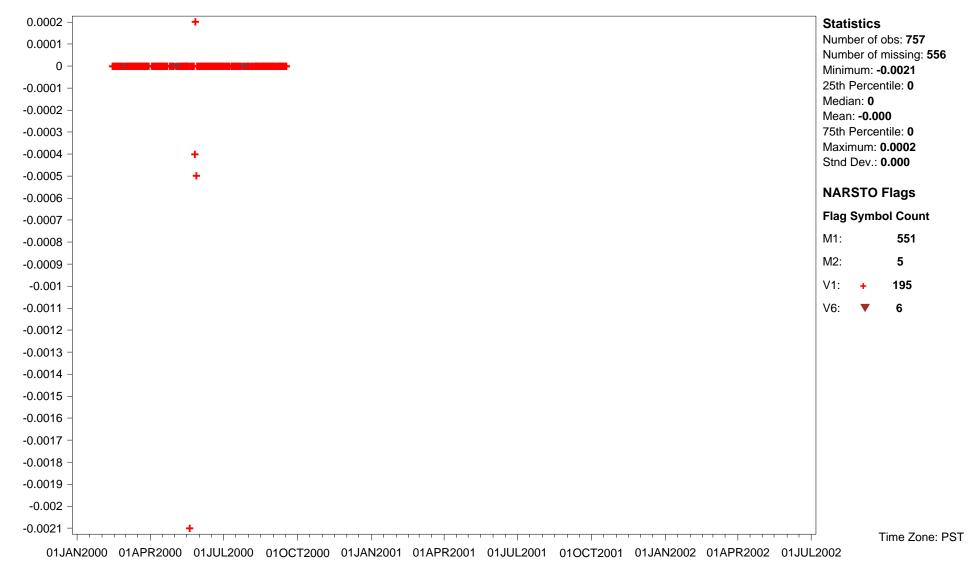
Site ID: SHEMCABCVAN_ Variable name: Ethanedioic acid, ion(2-) Common Name: Oxalic acid, ion Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C338-70-5 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



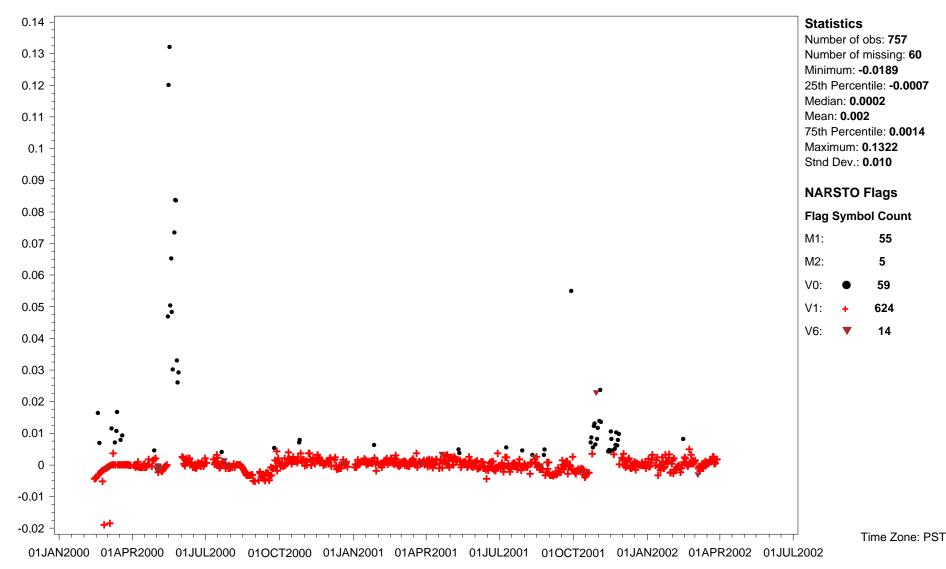
Site ID: SHEMCABCVAN_ Variable name: Formic acid, ion(1-) Common Name: Formate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C71-47-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



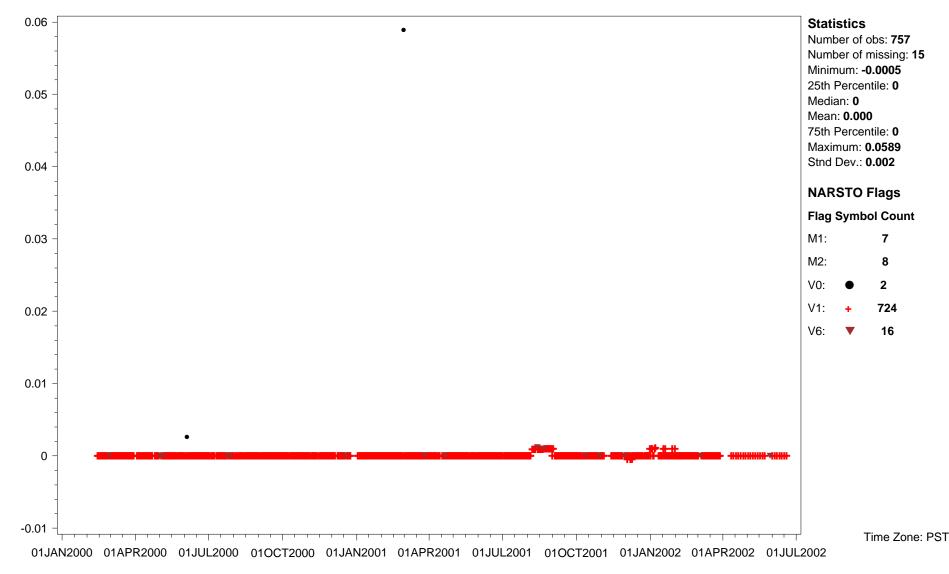
Site ID: SHEMCABCVAN_ Variable name: Heptanedioic acid, ion(2-) Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C764-54-5 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



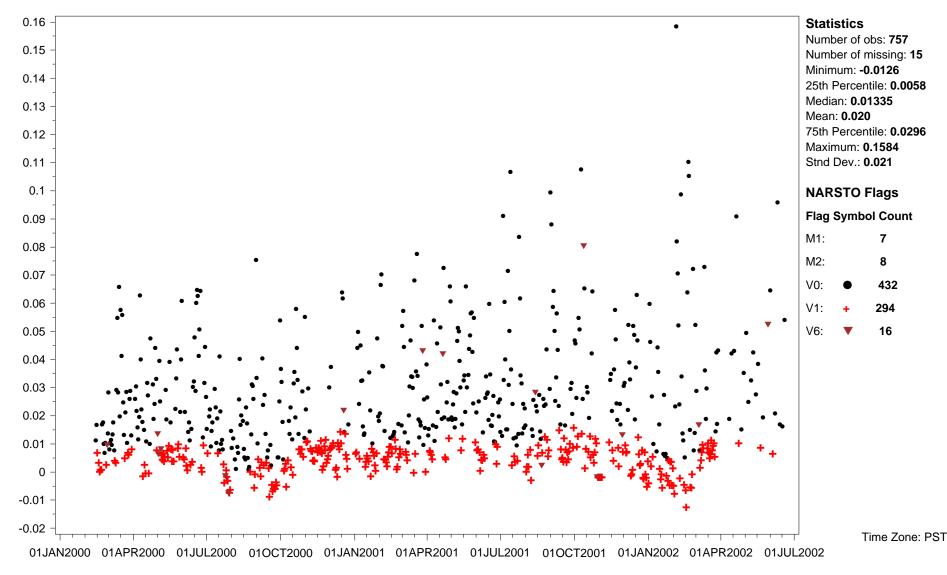
Site ID: SHEMCABCVAN_ Variable name: Hexanedioic acid, ion(2-) Common Name: Adipic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C764-65-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



Site ID: SHEMCABCVAN_ Variable name: Lithium Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7439-93-2 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim

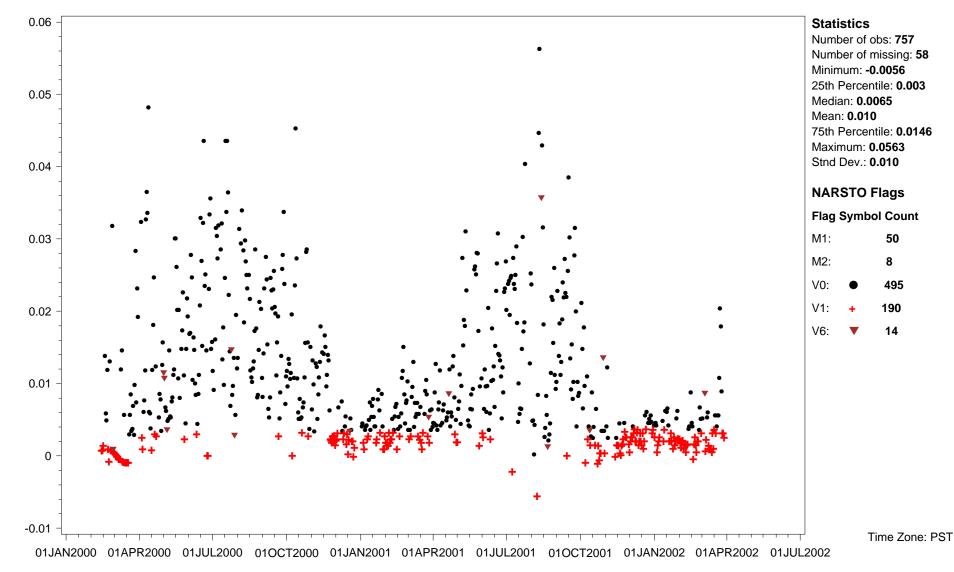


Site ID: SHEMCABCVAN_ Variable name: Magnesium Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7439-95-4 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



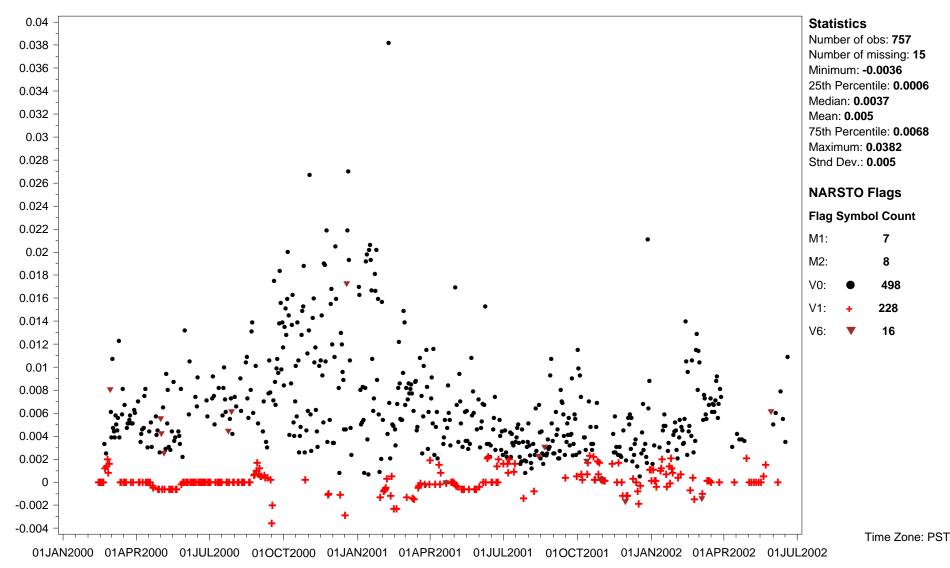
Site ID: SHEMCABCVAN_ Variable name: Malonic acid, ion(2-) Common Name: Malonic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C156-80-9 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim

Site Name: Vancouver, British Columbia Latitude: 49.21556 deg. Longitude: -121.9825 deg. Start Date: 2000-02-14 End Date: 2002-06-19

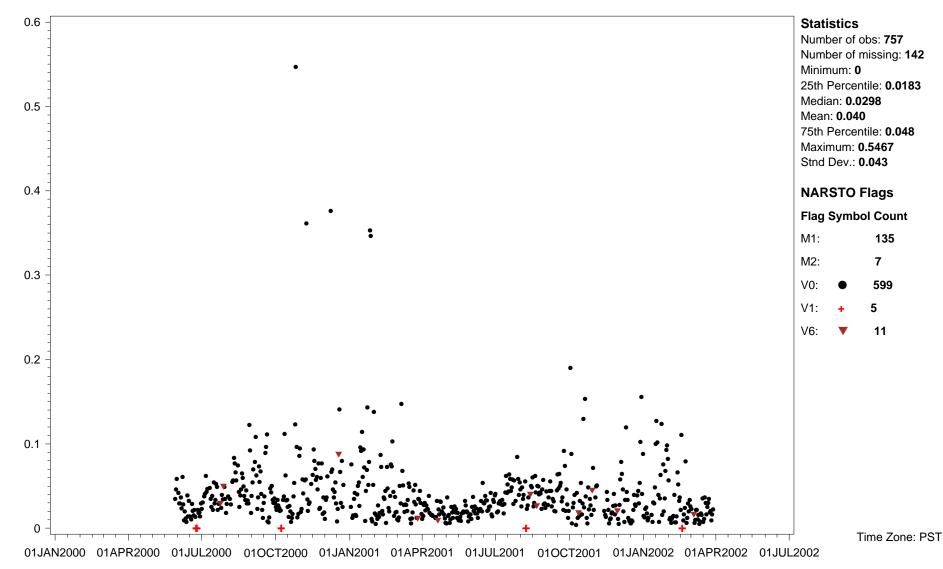


Malonic acid, ion(2-) (ug/m3)

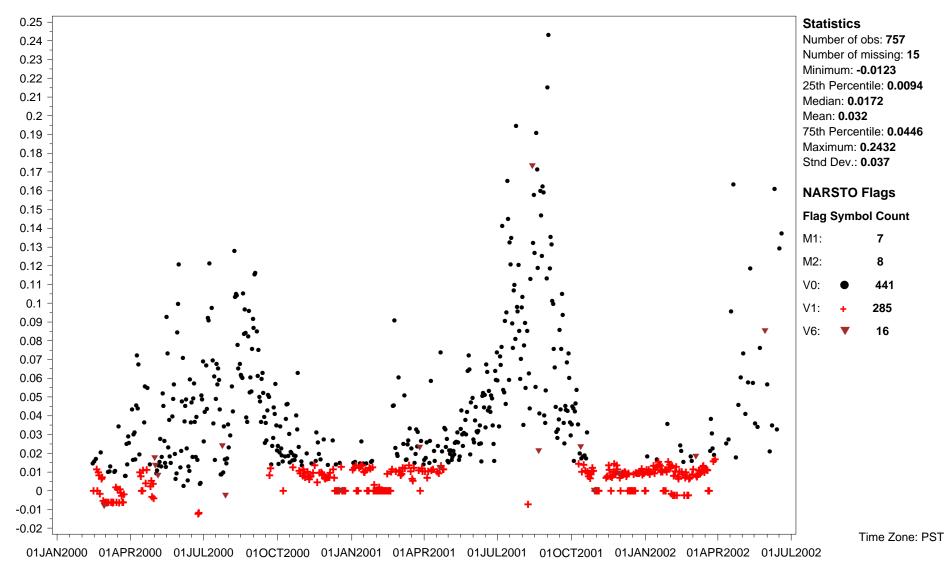
Site ID: SHEMCABCVAN_ Variable name: Manganese Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7439-96-5 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



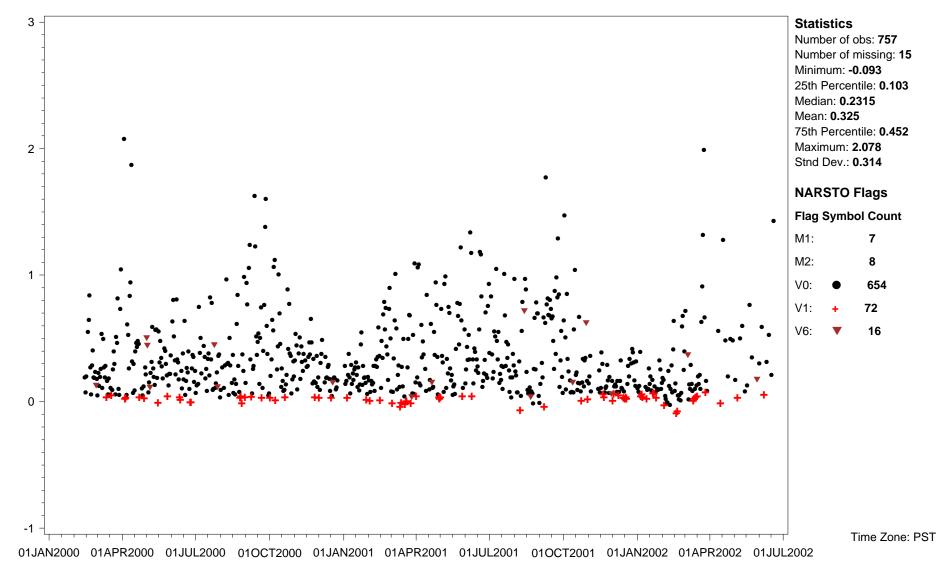
Site ID: SHEMCABCVAN_ Variable name: Methanesulfonic acid, hydroxy-, ion(1-) Common Name: HMSA Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7494-19-1 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



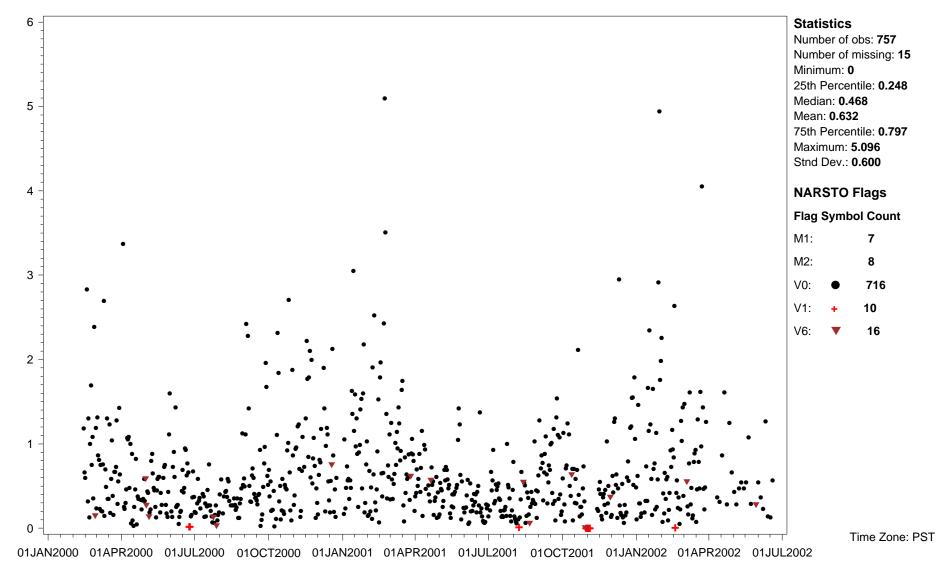
Site ID: SHEMCABCVAN_ Variable name: Methanesulfonic acid, ion(1-) Common Name: MSA Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C16053-58-0 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



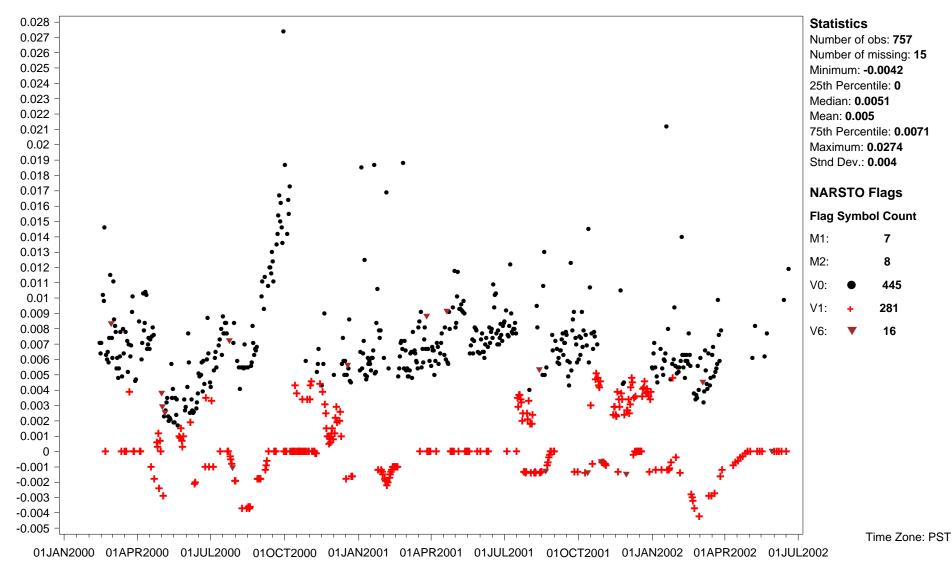
Site ID: SHEMCABCVAN_ Variable name: Nitrate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14797-55-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Nylon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



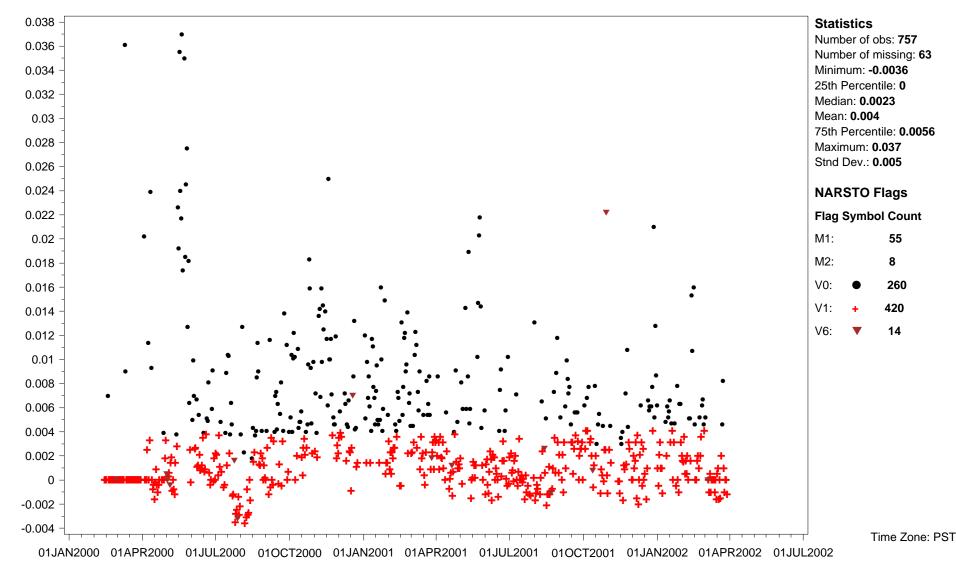
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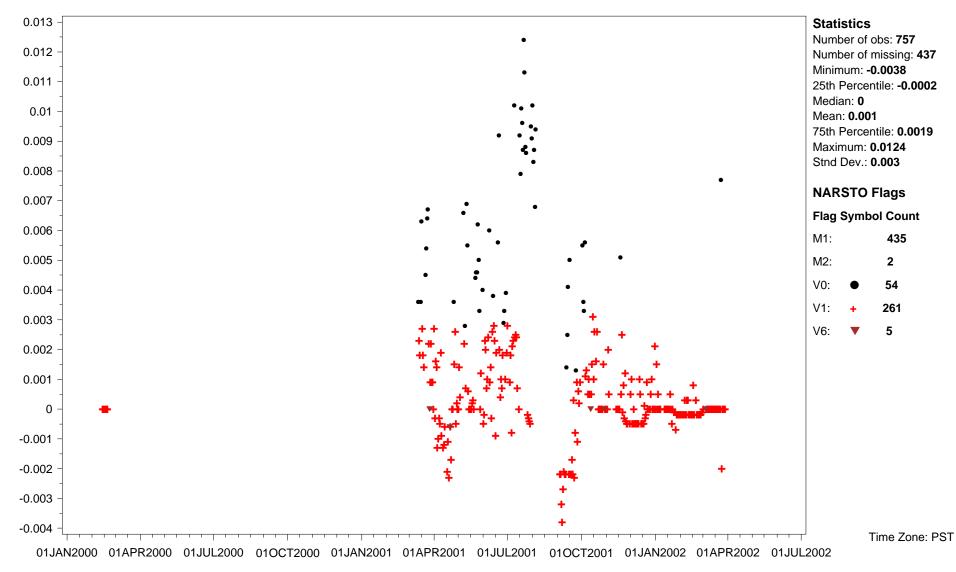
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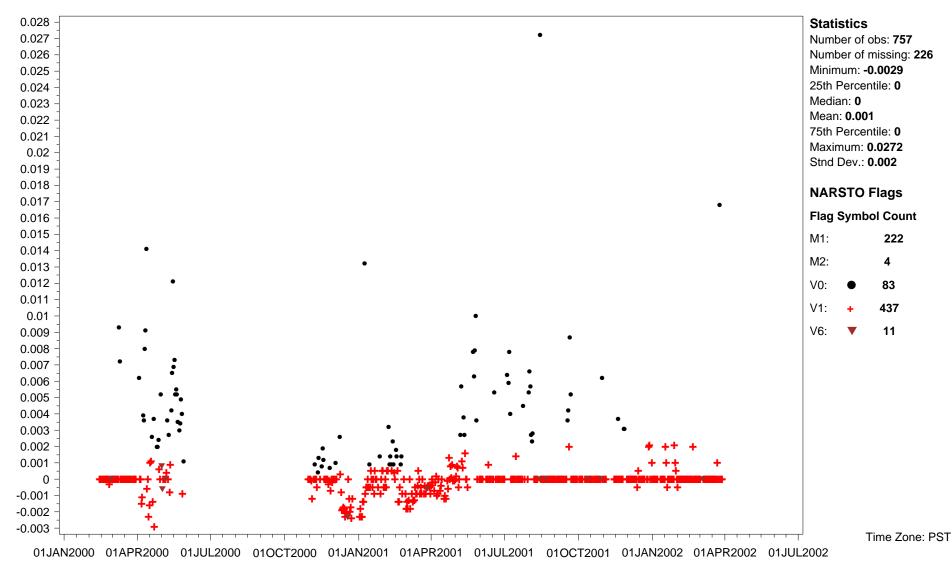
Site ID: SHEMCABCVAN_ Variable name: Nonanedioic acid, ion(2-) Common Name: Azelaic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C13479-16-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



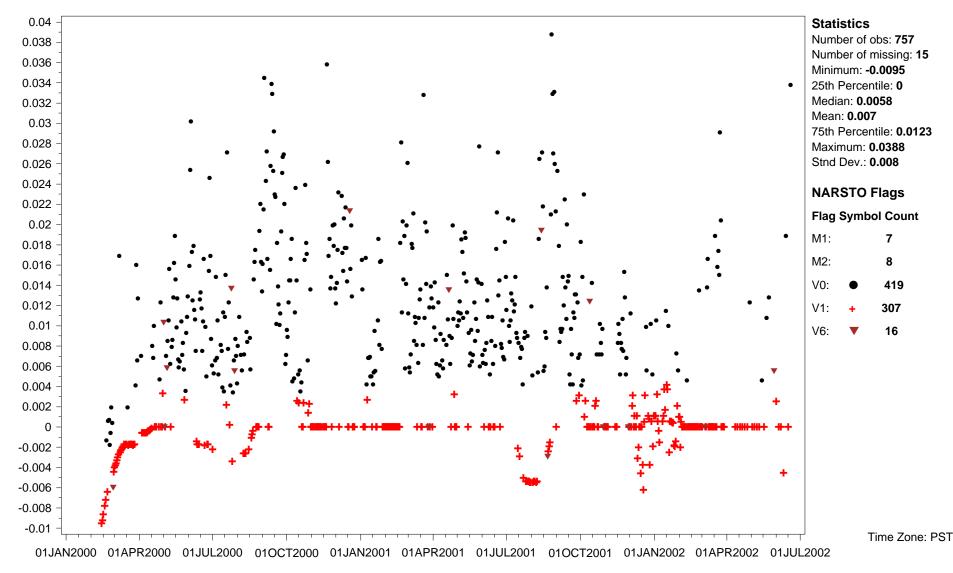
Site ID: SHEMCABCVAN_ Variable name: Octanedioic acid, ion(2-) Common Name: Suberic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C764-55-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



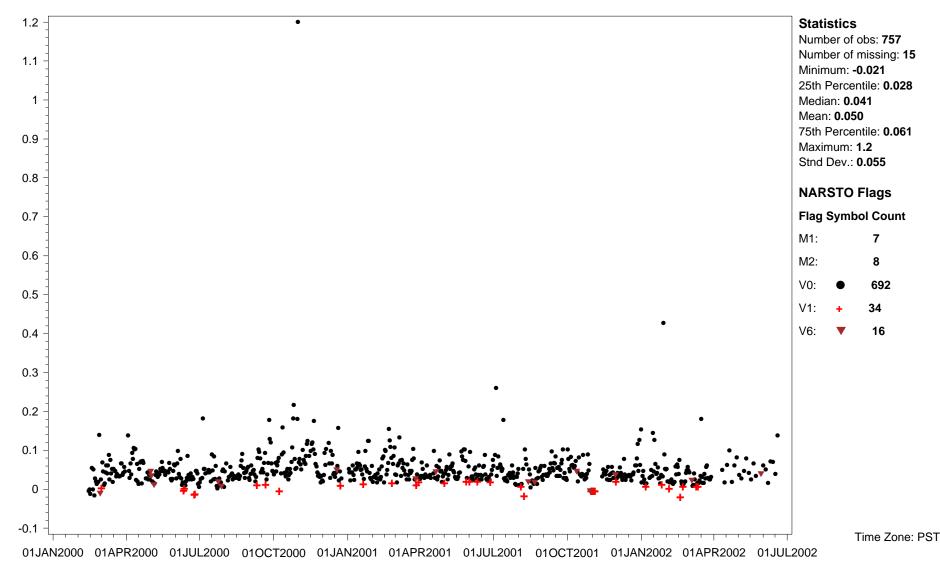
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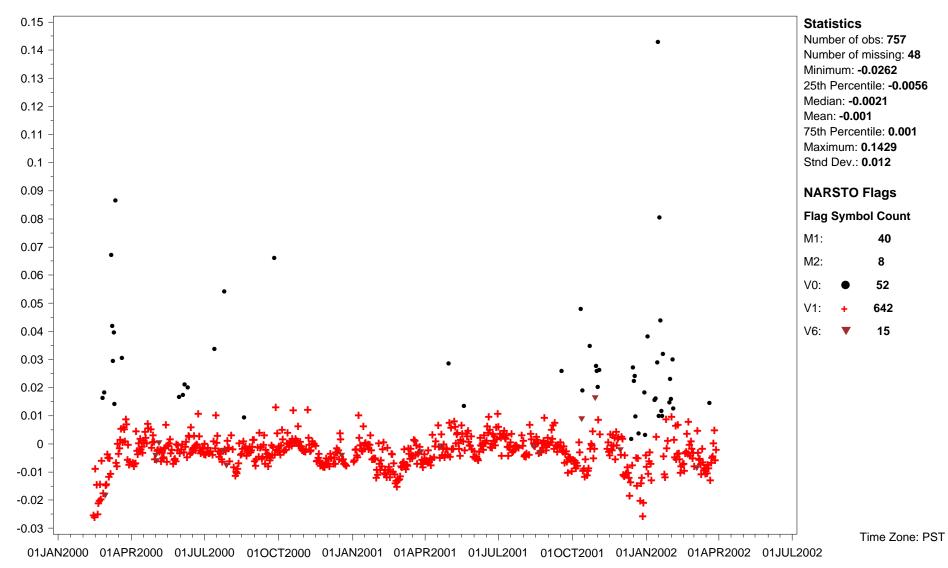
Site ID: SHEMCABCVAN_ Variable name: Phosphate Common Name: Phosphate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14265-44-2 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



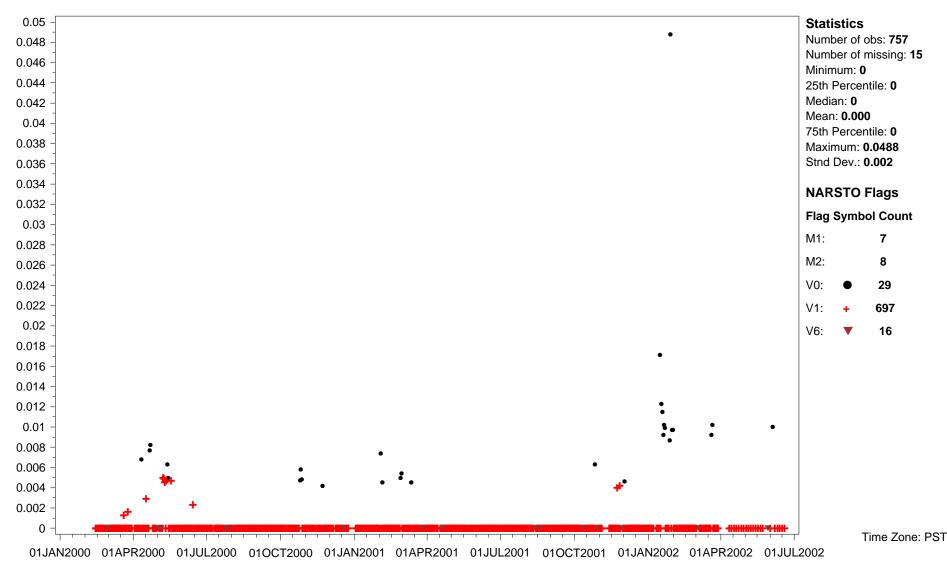
Site ID: SHEMCABCVAN_ Variable name: Potassium Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7440-09-7 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



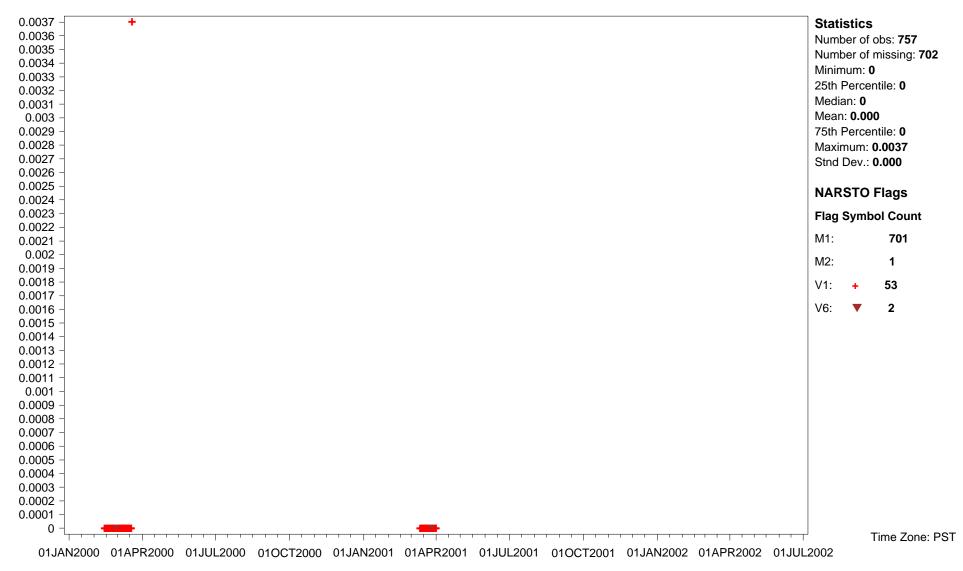
Site ID: SHEMCABCVAN_ Variable name: Propanoic acid, 2-hydroxy-, ion(1-) Common Name: Lactic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C113-21-3 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



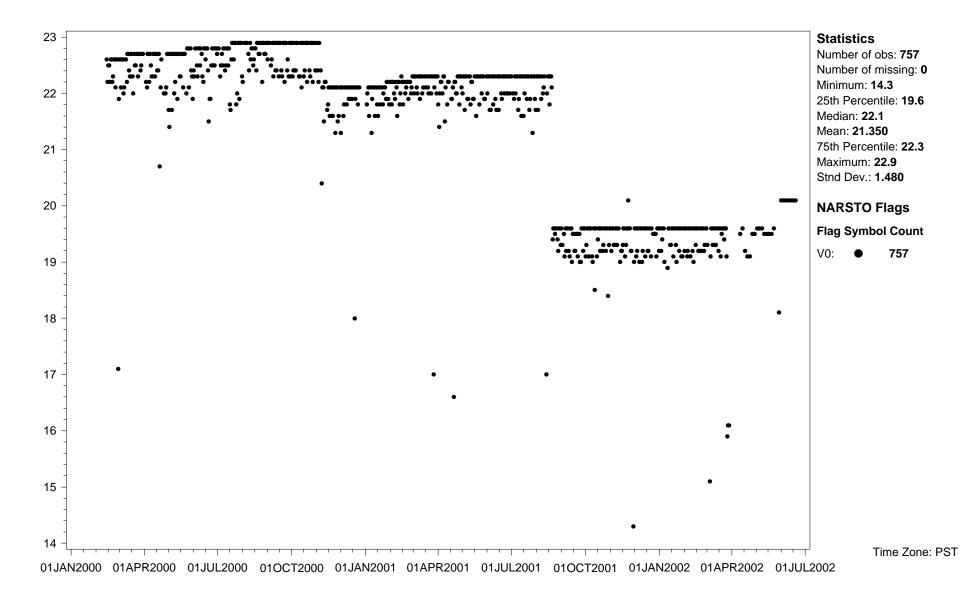
Site ID: SHEMCABCVAN_ Variable name: Propanoic acid, 2-oxo-, ion(1-) Common Name: Pyruvic Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C57-60-3 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



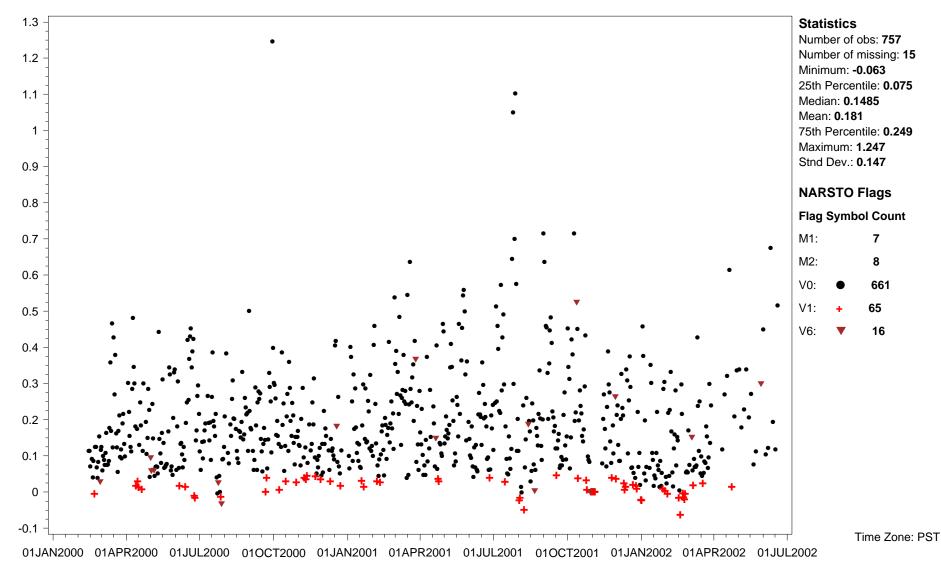
Site ID: SHEMCABCVAN_ Variable name: Propanoic acid, ion(1-) Common Name: Propionate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C72-03-7 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: Capillary electrophoresis Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



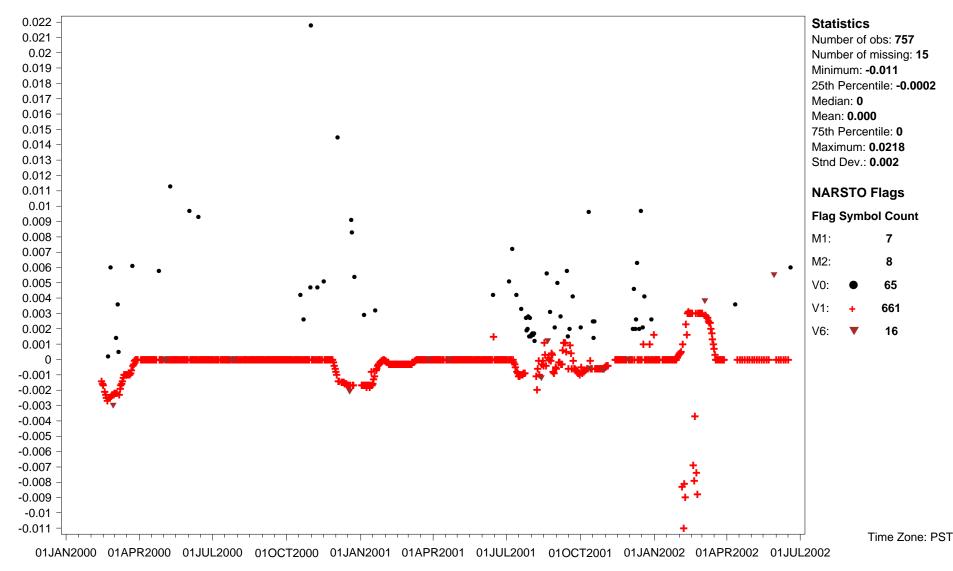
Site ID: SHEMCABCVAN_ Variable name: Sample: total volume Units: m3 Sampling interval: 24 hour Sampling frequency: Every day Observation type: Flow Field sampling or measurement principle: Mass flow controller Inlet type: Impactor--virtual/concentrator Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook



Site ID: SHEMCABCVAN_ Variable name: Sodium Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7440-23-5 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



Site ID: SHEMCABCVAN_ Variable name: Strontium Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7440-24-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim



Site ID: SHEMCABCVAN_ Variable name: Sulfate Common Name: Sulphate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14808-79-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): 2.5 Field sampling or measurement principle: Single filter Medium: Teflon Inlet type: Impactor--virtual/concentrator Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Not blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 2 Instrument name and model number: University Research Glassware Versatile Air Pollutant Sampler Measurement principal investigator: Jeffrey Brook Detection Limit: Varies--see Detection lim

