Table 1a

Data Collection Statistics 01/01/2017 - 12/31/2017

National Park Service Gaseous Pollutant Monitoring Program

Parameter % valid1

							Pi	aramete	r % vali	d¹					
National Park Unit	Site Name	О3	SO2	SO2ADD	СО	NOX	PM2.5	PM10	VWD	SWS	TMP	RH	RNF	SOL	FLOW
Big Bend	K-Bar Ranch Road	98.1							98.7	98.7	99.2	99.0	98.8	84.5	98.5
Canyonlands	Island in the Sky	89.5							98.6	98.6	99.3	99.6	95.5	99.3	98.8
Chaco Culture	Radio Repeater	81.6				94.6			99.6	99.6	99.7	99.7	99.0	99.7	
Chiricahua	Entrance Station	98.4							93.0	99.6	99.6	99.6	98.5	99.6	99.7
Craters of the Moon	Visitor Center	92.3							92.6	92.6	92.7			93.0	
Death Valley	Park Village	92.1							99.1	99.1	47.1				
Denali	Headquarters	98.6							99.6	99.6	99.8	99.9	99.7	99.9	99.4
Dinosaur	West Entrance Housing	97.7							99.4	99.4	99.8		99.5	100.0	95.5
Everglades	Beard Center								68.7	68.7	95.8	95.8	90.3	55.8	68.6
Glacier	West Glacier Horse Stables	90.4							95.7	95.7	90.0			97.1	95.1
Grand Canyon	The Abyss	97.9							99.1	99.1	99.2	99.5	99.3	99.6	97.5
Grand Teton	Science School	98.0			_				99.1	99.1	94.8	94.8	99.4	99.7	
Great Basin	Maintenance Yard	97.6							98.3	98.3	98.8	98.8	98.2	98.8	98.3
Great Smoky Mountains	Clingmans Dome	52.4							54.1	54.1	54.1	54.2	53.9	52.4	
Great Smoky Mountains	Cove Mountain	98.2							99.6	99.6	99.2	99.2	99.5		
Great Smoky Mountains	Look Rock	98.9							98.2	98.2	99.7	99.8	99.1	99.8	99.6
Great Smoky Mountains	Look Rock NCORE		93.2		89.8										
Hawaii Volcanoes	Observatory / Jaggar Museum		93.8	93.8	_		72.7		98.5	98.5	97.1	97.1	98.4		
Hawaii Volcanoes	Visitor Center		94.0	94.1					84.5	84.5	73.9	85.1	94.4	98.3	
Joshua Tree	Black Rock	98.6							99.3	99.3	99.9	99.9	99.5	97.1	99.1
Joshua Tree	Cottonwood Canyon	66.8						66.8	99.7	99.7	99.7	99.7	99.8	99.7	
Lassen Volcanic	Manzanita Lake Fire Stn.	98.0							98.2	98.2	98.6	96.6	98.3	98.6	96.3
Mammoth Cave	Houchin Meadow	95.0	90.7		87.9				99.1	99.9	99.9	99.9	95.8	100.0	99.8
Mesa Verde	Resource Mngment Area	98.3							99.4	99.4	100.0	100.0	98.8	100.0	99.7
Minidoka	Maintenance Building						75.2			99.9	99.9	99.9			
Petrified Forest	South Entrance	97.5			_				99.8	99.8	97.1			100.0	75.4
Pinnacles	SW of East Entrance Stn.	98.7							98.7	98.7	99.7	99.9	99.2	99.8	98.9
Rocky Mountain	Long's Peak	95.2							99.0	99.0	99.9	100.0	99.6	100.0	99.4
Sequoia and Kings Canyon	Ash Mountain	95.0					60.3		98.3	98.8	99.0	99.0	98.4	99.0	98.8
Sequoia and Kings Canyon	Lower Kaweah	98.8			_				58.1	58.1	99.3	99.4	99.4	99.4	
Shenandoah	Big Meadows	98.2							98.7	98.7	98.8	98.8	83.4	98.9	98.7
Voyageurs	Sullivan Bay	95.0							84.7	93.9	91.1	96.3	80.5	96.3	95.9
Yellowstone	Old Faithful Snow Lodge				93.2		93.9		97.8	97.8	99.7	99.7			
Yellowstone	Water Tank	91.7			_	_			96.4	96.4	97.5	97.5	97.7	95.9	97.9
Yellowstone	West Entrance				91.3	69.9	96.5		98.9	98.9	99.8	99.8			
Yosemite	Turtleback Dome	99.2			_	_			98.7	98.7	99.8	99.8	99.3	99.9	99.3
Zion	Dalton's Wash	97.6							99.7	99.7	98.4		99.4	99.8	

Table 1a (continued)

Data Collection Statistics 01/01/2017 - 12/31/2017

National Park Service Gaseous Pollutant Monitoring Program

Parameter % valid1

National Park Unit	Site Name	O	3 SO2	SO2ADD	со	NOX	PM2.5	PM10	VWD	sws	TMP	RH	RNF	SOL	FLOW
Average Network Data Collection		93	.5 92.9	94.0	90.6	82.2	79.7	66.8	94.3	94.9	94.9	96.9	95.6	95.4	95.9

Key:

O3 = Ozone SO2 = Sulfur Dioxide SO2Add = Sulfur Dioxide CO = Carbon Monoxide NOX = Oxides of Nitrogen PM2.5 = Particulate Matter 2.5 PM10 = Particulate Matter 10 VWD = Vector Wind Direction

SWS = Scalar Wind Speed

TMP = Ambient Temperature RH = Relative Humidity

RNF = Precipitation SOL = Solar Radiation

FLOW = Filter Pack Flow Rate

Performance Goals:

Quarterly Criteria:

100% of sites, >= 85% valid data capture 90% of sites, >= 90% valid data capture 80% of sites, >= 95% valid data capture

Monthly Criteria:

100% of sites, >= 60% valid data capture 90% of sites, >= 75% valid data capture 80% of sites, >= 85% valid data capture

Font color key:

Black: 85% - 100% data recovery

Blue: 75% - 84.9% data recovery

Orange: 60% - 74.9% data recovery

Red: 0% - 59.9% data recovery

Table 1b

Data Collection Statistics 01/01/2017 - 12/31/2017

Sites Operated by the NPS for the BLM

Parameter % valid1

National Park Unit	Site Name	О3	SO2	SO2ADD	СО	NOX	PM2.5	PM10	VWD	sws	TMP	RH	RNF	SOL	FLOW
Meeker	Plant Science	95.7				85.9	94.2		99.6	99.6	100.0	100.0	99.3	100.0	99.6
Rangely	Golf Course	97.4	_	_		91.3	94.3	-	99.6	99.6	99.7	99.7	99.1	99.7	
Average Network Data Collection		96.6				88.6	94.2		99.6	99.6	99.8	99.8	99.2	99.8	99.6

Key:

O3 = Ozone SO2 = Sulfur Dioxide SO2Add = Sulfur Dioxide CO = Carbon Monoxide NOX = Oxides of Nitrogen PM2.5 = Particulate Matter 2.5 PM10 = Particulate Matter 10 VWD = Vector Wind Direction SWS = Scalar Wind Speed TMP = Ambient Temperature
RH = Relative Humidity
RNF = Precipitation
SOL = Solar Radiation
FLOW = Filter Pack Flow Rate

Performance Goals:

Quarterly Criteria:
100% of sites, >= 85% valid data capture
90% of sites, >= 90% valid data capture
80% of sites, >= 95% valid data capture

Monthly Criteria:

100% of sites, >= 60% valid data capture 90% of sites, >= 75% valid data capture 80% of sites, >= 85% valid data capture

Font color key:

Black: 85% - 100% data recovery

Blue: 75% - 84.9% data recovery

Orange: 60% - 74.9% data recovery

Red: 0% - 59.9% data recovery

Table 1c

Data Collection Statistics 01/01/2017 - 12/31/2017

Portable Ozone Monitoring Systems (POMS)

Parameter % valid1

National Park Unit	Site Name	О3	SO2	SO2ADD	со	NOX	PM2.5	PM10	VWD	sws	TMP	RH	RNF	SOL	FLOW
Carlsbad Caverns	Maintenance Area	96.0								99.9	99.9	99.9	99.9	99.9	
Joshua Tree	Pinto Wells	97.9								99.7	99.7	99.7	99.5	99.7	-
Mojave	Kelso Mountains	86.7								99.3	99.4	99.4	99.4	99.4	
Average Network Data Collection	<u> </u>	93.5								99.6	99.7	99.7	99.6	99.7	

Key:

O3 = Ozone SO2 = Sulfur Dioxide SO2Add = Sulfur Dioxide CO = Carbon Monoxide NOX = Oxides of Nitrogen PM2.5 = Particulate Matter 2.5 PM10 = Particulate Matter 10 VWD = Vector Wind Direction

SWS = Scalar Wind Speed

TMP = Ambient Temperature RH = Relative Humidity

RNF = Precipitation
SOL = Solar Radiation

FLOW = Filter Pack Flow Rate

Performance Goals:

Quarterly Criteria:

100% of sites, >= 85% valid data capture 90% of sites, >= 90% valid data capture 80% of sites, >= 95% valid data capture

Monthly Criteria:

100% of sites, >= 60% valid data capture 90% of sites, >= 75% valid data capture 80% of sites, >= 85% valid data capture

Font color key:

Black: 85% - 100% data recovery

Blue: 75% - 84.9% data recovery

Orange: 60% - 74.9% data recovery

Red: 0% - 59.9% data recovery

Table 2. Ozone Analyzer Precision and Accuracy Summary
Sites Operated by the National Park Service
National Park Service Gaseous Pollutant Monitoring Program, 2017

				Precisio	n		As-Foun	d Verification Mu	lti-Point
National Park Unit	Site Name	Calendar Quarter	Required No. of Precision Checks Met? ¹	Avg. Absolute Percent Difference ^{3,4}	Lower 95% Probability Limit ⁶	Upper 95% Probability Limit ⁶	Accuracy Check Performed During the Quarter? ²	Avg. Absolute Percent Difference ^{3,4}	Max. Absolute Percent Difference ⁵
Big Bend	K-Bar Ranch Road	1	Υ	1.1	-1.2	3.5	Y	1.1	2.7
		2	Υ	0.5	-1.2	2.1	N		
		3	Y	0.2	-1.3	1.7	Y	0.7	1.3
Conveniendo	laland in the Clar	4	Y	1.5 1.2	0.0 -3.4	3.0 5.9	N N		
Canyonlands	Island in the Sky	2	N Y	0.2	-3.4 -2.8	5.9 2.4	N Y	0.8	1.1
		3	Ý	0.2	-0.2	1.0	N		
		4	Ý	0.9	-0.2	2.0	Y	0.8	1.3
Chaco Culture	Radio Repeater	1	Ý	2.0	<u>-11.4</u>	7.4	Ň		
		2	Υ	1.4	-2.1	4.9	Υ	2.3	2.4
		3	Υ	3.7	2.9	4.6	N		
		4	Υ	3.5	0.2	6.7	Υ	3.5	4.3
Chiricahua	Entrance Station	1	Υ	0.0	-1.4	1.4	Y	0.7	1.3
		2	Y	0.3	-1.4	0.7	N		
		3	Y	1.6	-4.2	1.0	Y	0.8	2.6
0 . (.)	\" :: 0 ·	4	Y	0.0	-1.5	1.5	N	_	_
Craters of the Moon	Visitor Center	1	Y Y	0.4	-0.9 -1.5	1.7	N	0.6	0.9
		2	Y	0.2 0.7	-1.5 -1.8	1.9 0.4	Y N	0.6	0.9
		4	Y	0.7	-1.6 -1.5	1.4	Y	0.9	1.4
Denali	Headquarters	1	Y	1.8	-2.6	-1.1	N		
Donail	ricadquarters	2	Ý	1.7	-3.1	-0.3	Ϋ́Υ	0.5	0.9
		3	Ý	1.4	-2.4	-0.4	Ý	1.0	1.8
		4	Υ	1.4	-2.1	-0.6	N		_
Death Valley	Park Village	1	Y	0.6	-1.1	2.3	N	_	_
	_	2	Υ	1.9	-4.2	0.3	N	_	_
		3	Υ	2.0	-4.0	0.0	Υ	2.2	2.8
		4	Y	0.8	-3.1	1.5	Y	1.9	2.8
Dinosaur	West Entrance Housing	1	Y	0.6	-2.0	0.7	N		
		2	Y	2.3	-3.8	-0.8	Y	0.6	1.3
		3	Y Y	1.7 0.0	-3.2 -1.4	-0.3 1.3	Y	0.4	0.5
Glacier	West Glacier Horse Stab		Y	0.0	-1.4 -1.6	0.9	N N		
Giaciei	west diadler horse Stab	2	Ϋ́	0.4 0.7	-1.0 -2.1	0.6	Y	0.2	0.6
		3	Ý	1.6	-4.2	1.0	N		
		4	Ý	0.0	-2.3	2.4	Ϋ́Υ	0.4	0.5
Great Basin	Maintenance Yard	1	Ý	1.8	-0.5	4.0	Ϋ́	0.4	1.2
		2	Y	1.5	-0.1	3.1	N	_	_
		3	Υ	1.2	-0.1	2.4	Υ	0.8	1.2
		4	Υ	0.3	-1.1	1.7	N	_	_

Table 2 (continued). Ozone Analyzer Precision and Accuracy Summary Sites Operated by the National Park Service National Park Service Gaseous Pollutant Monitoring Program, 2017

				Precisio	n		As-Foun	d Verification Mul	ti-Point
National Park Unit	Site Name	Calendar Quarter	Required No. of Precision Checks Met? ¹	Avg. Absolute Percent Difference ^{3,4}	Lower 95% Probability Limit ⁶	Upper 95% Probability Limit ⁶	Accuracy Check Performed During the Quarter? ²	Avg. Absolute Percent Difference ^{3,4}	Max. Absolute Percent Difference ⁵
Grand Canyon	The Abyss	1	Y	3.9	-6.6	-1.2	N	_	
		2	Υ	3.5	-8.0	0.9	N		
		3	Y	1.1	-2.1	-0.1	Y	0.5	0.8
0 10 1 11	Ol: D	4	Y	0.3	-0.9	1.4	Y	0.7	1.8
Great Smoky Mountains	Clingmans Dome	1	_ Y	0.5	<u> </u>	<u> </u>		0.3	1.1
		2	Ϋ́Υ	0.5 0.2	-5.0 -2.9	6.0 3.2	Y	0.3	1.1
		3 4	Ϋ́	0.2	-2.9 -4.5	5.2 5.1	N Y	2.1	2.7
Great Smoky Mountains	Cove Mountain	1	Y	4.1	-4.8	-3.4	N	<u>Z. I</u>	<u>Z.1</u>
Circuit Officky Mountains	Cove Mountain	2	Ý	1.7	-5.5	2.1	Ϋ́Υ	2.3	2.7
		3	Ý	1.3	-2.2	-0.5	Ň		
		4	Ý	0.3	-1.8	1.1	Ϋ́	1.3	1.7
Great Smoky Mountains	Look Rock	1	Ϋ́	0.2	-1.1	0.7	N	_	_
•		2	Υ	0.0	-1.8	1.8	Υ	1.6	2.5
		3	Υ	0.6	-1.4	0.2	N		_
		4	Υ	0.2	-1.6	1.3	Υ	1.6	2.1
Grand Teton	Science School	1	Y	1.1	-2.0	-0.3	N	_	_
		2	Υ	1.1	-2.7	0.5	Υ	0.4	0.9
		3	Y	1.3	-3.7	1.1	Y	1.7	2.4
	5 5 .	4	Y	0.4	-0.7	1.4	N		
Joshua Tree	Black Rock	1	Y	0.9	-6.0	4.2 1.0	Y	0.8	1.3
		2	Y	0.0 0.7	-1.0 -1.9	0.4	Y	0.4	1.0
		3 4	Y	0.7	-1.9 -1.5	0.4	N N	_	
Joshua Tree	Cottonwood Canyon	1	Y	0.7	-1.5 - 2.7	3.8	Y	0.7	1.6
Joshua Tree	Cottonwood Carryon	2	Ý	1.4	-2.7 -7.4	4.6	Ϋ́	1.2	2.4
		3	Ý	0.0	0.0	0.0	Ň		
		4	Ý	0.0	0.0	0.0	N		
Lassen Volcanic	Manzanita Lake Fire Stn.	. 1	Ϋ́	1.9	0.9	2.9	N	_	_
		2	Υ	1.3	-1.3	3.8	Υ	3.2	3.5
		3	Υ	0.6	-1.4	0.3	N	_	_
		4	Υ	0.9	-2.0	0.2	N	_	_
Mammoth Cave	Houchin Meadow	1	Y	1.2	-2.3	4.6	N	_	_
		2	Υ	0.5	-1.1	2.2	Υ	1.0	1.9
		3	Y	0.6	-3.2	1.9	N		
		4	Y	0.2	-2.4	2.1	Y	1.0	1.3
Mesa Verde	Resource Mngment Area		Y	0.1	-3.9	4.1	N		
		2	Y	4.6	2.4	6.9	Y	1.2	1.4
		3	Y	1.1	-4.9 2.1	7.1 1.5	N Y	1.2	2.5
		4	Y	0.3	-2.1	1.5	Y	1.3	3.5

Table 2 (continued). Ozone Analyzer Precision and Accuracy Summary Sites Operated by the National Park Service National Park Service Gaseous Pollutant Monitoring Program, 2017

National Park Unit Site Name Calendar Quarter Calendar Quarter Checks Met?' Precision Checks Met?' Probability Limit's Probability Limit's	
Pinnacles SW of East Entrance Stn. 1	Percent
No. No.	1.4
Pinnacles SW of East Entrance Stn. 1 Y 0.5 -0.7 1.7 N — 2 Y 0.4 -1.8 1.1 N — 2 Y 0.6 -2.3 1.0 Y 1.4 3 Y 0.1 -1.9 1.6 N — Rocky Mountain Long's Peak 1 Y 2.1 -0.8 5.0 Y 0.3 2 Y 0.0 -2.1 2.1 N — 3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N	
Pinnacles SW of East Entrance Stn. 1 Y 0.4 -1.8 1.1 N — 2 Y 0.6 -2.3 1.0 Y 1.4 3 Y 0.1 -1.9 1.6 N — 4 Y 0.9 -2.7 1.0 Y 0.3 Rocky Mountain Long's Peak 1 Y 2.1 -0.8 5.0 Y 3.6 2 Y 0.0 -2.1 2.1 N — 3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N	2.7
2	_
Sequoia and Kings Canyon Ash Mountain Sequ	_
Rocky Mountain Long's Peak 1 Y 0.9 -2.7 1.0 Y 0.3 Rocky Mountain Long's Peak 1 Y 2.1 -0.8 5.0 Y 3.6 2 Y 0.0 -2.1 2.1 N — 3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	1.8
Rocky Mountain Long's Peak 1 Y 2.1 -0.8 5.0 Y 3.6 2 Y 0.0 -2.1 2.1 N — 3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	_
2 Y 0.0 -2.1 2.1 N — 3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	0.6
3 Y 0.3 -3.3 2.6 Y 0.9 4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	4.6
4 N 0.0 -1.6 1.7 N — Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	_
Sequoia and Kings Canyon Ash Mountain 1 Y 0.2 -3.8 3.4 N —	2.1
2 Y 1.8 -3.7 0.1 Y 0.8	_
	1.0
3 Y 1.7 -3.7 0.3 Y 0.4	0.9
4 Y 0.0 -0.8 0.7 N —	_
Sequoia and Kings Canyon Lower Kaweah 1 — — — — — — — — — —	
2 Y 1.2 0.1 2.3 Y 0.3	0.7
3 Y 1.2 0.1 2.4 Y 1.3	1.7
4 Y 1.6 0.7 2.5 N —	
Shenandoah Big Meadows 1 Y 2.6 1.0 4.2 N —	_
2 Y 2.2 -0.1 4.5 Y 0.6	1.7
3 Y 0.0 -2.8 2.8 Y 1.4	1.8
4 Y 1.1 -2.5 0.3 N —	_
Voyageurs Sullivan Bay 1 Y 0.3 -1.0 0.4 N —	
2 Y 0.0 -1.2 1.2 N —	
3 Y 0.2 -3.1 2.7 Y 1.0	1.2
4 Y 0.1 -1.7 2.0 Y 0.3	1.1
Yellowstone Water Tank 1 Y 3.1 - 0.7 6.9 N —	_
2 Y 2.8 1.4 4.2 Y 1.8	2.9
3 Y 2.3 0.3 4.4 Y 0.3	0.7
4 Y 3.6 -1.0 8.2 N —	

Table 2 (continued). Ozone Analyzer Precision and Accuracy Summary Sites Operated by the National Park Service National Park Service Gaseous Pollutant Monitoring Program, 2017

				Precisio	n		As-Found	d Verification Mul	ti-Point
National Park Unit	Site Name	Calendar Quarter	Required No. of Precision Checks Met? ¹	Avg. Absolute Percent Difference ^{3,4}	Lower 95% Probability Limit ⁶	Upper 95% Probability Limit ⁶	Accuracy Check Performed During the Quarter? ²	Avg. Absolute Percent Difference ^{3,4}	Max. Absolute Percent Difference ⁵
Yosemite	Turtleback Dome	1	Υ	2.9	-4.1	-1.7	N		
		2	Υ	1.3	-4.4	1.8	Υ	3.0	3.3
		3	Υ	0.5	-2.3	1.2	N		_
		4	Υ	0.3	-1.2	1.8	Υ	0.8	1.0
Zion	Dalton's Wash	1	Υ	1.6	-4.3	1.0	Υ	0.9	1.6
		2	Υ	0.4	-1.5	0.6	N	_	_
		3	Υ	0.5	-1.6	0.6	Υ	0.5	0.8
		4	Υ	0.1	-1.0	1.2	N	_	_
Operating agency key:				Color shading	key:				
plain text = site operated	by the National Park Service			□ Id	eal: indicates a	percent difference	ce within +/-5% or a prob	ability limit within +/-	10%

italics = site operated by a state agency

underline = site operated by the National Park Service, but consisting of non-EPA certified

portable instrumentation

Acceptable: indicates a percent difference between +/-5.1-10% or a probability limit between +/-10.1-15%

Unacceptable: indicates a percent difference greater than +/-10% or a probability limit greater than +/-15%

- 1. Precision checks are required by the Environmental Protection Agency (EPA) of all pollutant analyzers collecting data which are to be submitted to the EPA Air Quality System (AQS). A precision check is performed by challenging the pollutant analyzer with a known concentration of gas from the pollutant transfer standard. This precision check must be performed at least every 14 days of monitoring operation. The percent difference between the analyzer and the transfer standard is then calculated.³ According to NPS Standard Operating Procedures, the pollutant analyzer must respond within +/-7% of the transfer standard.
- 2. Accuracy checks are required by the Environmental Protection Agency (EPA) of all pollutant analyzers collecting data which are to be submitted to the EPA Air Quality System (AQS). An accuracy check is performed by challenging the pollutant analyzer with a known concentration of gas from the pollutant transfer standard at several different points. The percent difference between the analyzer and the transfer standard is then calculated.3 According to NPS Standard Operating Procedures, the pollutant analyzer must respond within +/-10% of the transfer standard. All accuracy checks reported here were performed by the reporting organization and not by an outside auditor.
- 3. Percent Difference = ((analyzer transfer std)/transfer std)x100
- 4. Average Absolute Percent Difference is the mean of the absolute value of all individual precision check percent differences during the guarter, or the mean of the absolute value of all the percent differences from each point challenged during an accuracy check.
- 5. Maximum Absolute Percent Difference is the highest percent difference from the points of a multipoint (or accuracy) calibration.
- 6. Upper/Lower 95% Probability Limits = (Average Percent Difference)+/-(1.96)(Standard Deviation of precision check percent differences in the quarter). The probability limits represent the interval having a 95% chance of containing the true average percent difference. Probability limits must be within +/-15%.