Appendix N Data Trend Analysis

Statistical Testing Summary

The following data sheets are outputs generated using ProUCL 4.0 (27). The output summary includes the mean for each variable, the percentage of nondetected samples and additional statistical outputs. The variables identified in the first column of the Summary Statistics Data Sheet are defined as follows:

CRVI or Residential CrVI \mug/L – Residential Hexavalent Chromium (CrVI) Concentration (μ g/L) Analytical Data

Pb or Residential Lead Pb \mug/L – Residential Lead (Pb) Concentration (\mug/L) Analytical Data

MwCrVI or Monitoring Well CrVI \mug/L – Monitoring Well Hexavalent Chromium (CrVI) Concentration (μ g/L) Analytical Data

MwPb or Monitoring Well Pb \mug/L – Monitoring Well Lead (Pb) Concentration (\mug/L) Analytical Data

Supply VI or Supply Well CrVI $\mu g/L$ – Monitoring Well Hexavalent Chromium (CrVI) Concentration ($\mu g/L$) Analytical Data

Supply Pb or Supply Well Pb μ g/L – Monitoring Well Lead (Pb) Concentration (μ g/L) Analytical Data

Mean concentrations for each of the variables are identified on the General Upper Confidence Limit (UCL) Data Sheets and is a product of the Kaplan-Meier (KM) Method. Use of this methodology allows for the expression of the mean using nondetected concentrations as well as detected concentrations.

Hypothesis testing was performed using the Wilcoxon-Mann-Whitney test to identify potential differences between the data sets.

Summary Statistics Data Sheets

	1		2.64								
File: M:\MY DOC	CUMENTS\	SITE FOLD	ER\Oil Cor	ntrol\Green \	Valley Citgo	stats.wst	•			LL	
· · · · · · · · · · · · · · · · · · ·		e e de ser sur su			······					· · · · · · · · · · · · · · · · · · ·	
Constant in the standard provides and											
	Su	mmary Stat	tistics for R	aw Data Set	e with NDe	Ising Date	ted Data O				
		,				John Defet					
and a second second second second second						asing Detet		niy			
			·····		6 WIUT 1105 (ny .		· ···· · · · · · · · · · · · · · · · ·	
		·······		·	· · · · · · · · · · · · · · · · · · ·	······································	·····		servatione	· · · · · · · · · · · · · · · · · · ·	
Variable	·····			· · · · · · · · · · · · · · · · · ·		Raw Statis	itics using D	etected O	bservations	· ···· · · · · · · · · · · · · · · · ·	
Variable	Num Ds	NumNDs	% NDs	· · · · · · · · · · · · · · · · · ·		······································	·····		bservations MAD/0.675	Skewness	C
Variable CrVI	·····			· · · · · · · · · · · · · · · · · ·	Maximum	Raw Statis Mean	itics using D Median	etected O	MAD/0.675		
	Num Ds	NumNDs	% NDs	Minimum		Raw Statis	itics using D	etected O		Skewness 1.668	C' 0.4

					en de la deserve Reconstructions						
rom File: M:\MY DOC	UMENTS	SITE FOLD	ER\Oil Cor	ntrol\Green	Valley Citgo	stats.wst				1 1	
		ne o Ant			· · · · · · · · · · · · · · · · · · ·			1997 (· /		···· 64 ···
	Su	mmary Stat	tistics for R	aw Data Sel	ts with NDs u	using Detec	ted Data O	nly	North Artistic States		• • • • • • • • • • • • • • • • • • • •
the second secon				a share from a first state of the				-			
										······································	
ter et de composite a composite de composite	6 - 00 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		n an	19 yr - 1		Raw Statis	t ics using D	etected O	bservations		
Variable	Num Ds	NumNDs	% NDs	Minimum	Maximum	Raw Statis Mean	tics using D Median		bservations MAD/0.675		СУ
Variable CrVI	Num Ds 38	NumNDs 98	% NDs 72.06%	Minimum 0.022	s gramma in mininge		وبالأستين متروف والا			Skewness 1.668	CV 0.658

Variable Num Ds NumNDs % NDs Minimum Maximum Mean Median SD MAD/0.675 Skewness C'			Marca D-		· · · · · · · · · · · · · · · · · · ·		يوسوني من من المحر المحر المحر الم	Raw Statis	stics using D	etected O			
	···· ··· ··· ··· ··· ··· ··· ··· ··· ·							•		· · · · · · · · · · · · · · · · · · ·		1. The Name of States of States and	
		A			Summary S	Statistics for	Raw Datase	t with NDs			· · · · · · · · · · · · · · · · · · ·		
Summary Statistics for Raw Dataset with NDs					· · · · · · · · · · · · · · · · · · ·		addining a second provide a second		· · · · · · · · · · · · · · · · · · ·				
Summary Statistics for Raw Dataset with NDs	om File: M:\	MY DOC	UMENTS	SITE FOLD	ER\Oil Cor	ntrol\Green	Valley Citgo	stats.wst	L			<u> </u>	
From File: M:\MY DOCUMENTS\SITE FOLDER\Oil Control\Green Valley Citgo\stats.wst Summary Statistics for Raw Dataset with NDs													

ν.

n File: M:\MY DOC			e i terre e dan campo e c								
······	Su	mmary Stat	istics for R	aw Data Set	s with NDs u	sing Dete	cted Data O	nly	· · · · · · · · · · · · · · · · · · ·		
					*****	Raw Statis	stics using [Detected (Observations		
Variable	Num Ds	NumNDs	% NDs	Minimum	Maximum	Raw Statis Mean	stics using [Median	Detected (SD		Skewness	Ċ
Variable Pb	Num Ds 85	NumNDs 52	<mark>% NDs</mark> 37.96%	Minimum 1	e produkter in service and s	Contract contract and	per la la la la	<u></u>			C 2.

· ·

n File: M:\MY DO	CUMENTS\	SITE FOLD	ER\Oil Cont	rol\Green \	Valley Citge	o\stats.wst	 			
88			1000 - C. C. Starr, and and and a starr					1. A		
		· · · · · · · · · · · · · · · · · · ·	O	Chatlania			 			
			Summary	Staustics	TOT Raw Hu	II Dataset				
		· · · •• ••• ••••	Summary	Staustics		II Dataset			···	
Variable	NumObs	Minimum			Median	tanitan in a akan apa p	 ·····	Skewness	Kurtosis	C)

.

Wilcoxon-Mann-Whitney Comparison Data Sheets

	Wilcoxon-N	lann-Whitr	ney Site vs	Background	Compariso	on Test for	Data Sets w	/ith Non-De	tects
User Selected Options			te testa anna par	···· · ••• • · · · · · · · · · · · · ·		t it in the second of the			
From File	M:\MY DOO		SITE FOLD	ER\Oil Cont	rol\Green Va	alley Citgo\s	tats.wst		
Full Precision	OFF		···				· ····	····· .	
Confidence Coefficient	95%		· ··· · · · · · · · · · · · · · · · ·	and the second second second second		• • • • • • • • • • • • • • • • • • • •			
Substantial Difference (S)	0.000					·····		····· ··· ··· ··· ·· ·· ·· ·· ·· ·· ··	
Selected Null Hypothesis	Site or AOC	Mean/Me	dian Greate	er Than or Eq	ual to Back	around Mea	n/Median (F	'orm 2)	
Alternative Hypothesis	Site or AOC	Mean/Me	dian Less T	han Backgro	und Mean/N	ledian			
ana shakayeyeen ka coler a amaalee aa ayaa ayaa ayaa ayaa a	·····	•••• ••• •••••• •			·····				P.M
na na ang anang ang ang ang ang ang ang				1991	1		9 gel 44.000 d'anna an ann an an an an an an an an an a	· · · · · · · · · · · · · · · · · · ·	ſ
Area of Concern Data: MwCrVI			· · · · · · · · · · · · · · · · · · ·		to the second second second second		· · · · · · · · · · · · · · · · · · ·		and the second s
Background Data: CrVI							• • • • • • • • • • • • • • • • • • •		
ที่สาย 1 การ 7 การ คิมกัดสัง - 5 คร. 6 การการสุดที่มายาร 3 - 5 - 5 การ กลังสุดสังส์ของการสุดชาว 16 ได้จะ กา						1		1 10000000	-
hee too Anno 1999 - 19	Raw Statistic	\$			1 Martin			- Adama	· · · · · · · · · · · · · · · · · · ·
na se se se anna an anna an ann an suisteachan a' an se se anna anna an an seo anna an anna an anna an anna ann		Site	Backgrou	nd	t				
Number of V	/alid Data	53	136	· · · · · · · · · · · · · · · · · · ·					
Number of Missir	ng Values	9	29	······································					· · · · · · · · · · · · · · · · · · ·
Number of Non-De	tect Data	25	98	· · • • • • • • • • • • • • • • • • • •					
Number of De	tect Data	28	38			· · · · · · · · · · · · · · · · · · ·		······································	
Minimum No	on-Detect	0.02	0.02	-	· · · · · · · · · · · · · · · · · · ·			. An a photo and a filler and a start spec	· · · · · · · · · · · · · · · · · · ·
. Maximum No	on-Detect	0.02	0.02	· · · · · · · · · · · · · · · · · · ·				1 MM 100	*****
Percent No	on detects	47.17%	72.06%						
Minimum	Detected	0.02	0.022	***	100				
Maximum	Detected	0.596	0.152	eri delaktisteri Arrise seren and anyong g	and the second s		and a set of the second se	· · · · · · · · · · · · · · · · · · ·	riteratura and a standard and a
Mean of Deter	cted Data	0.126	0.0523			513.000 (Strain Bandana Say ang		·····	
Median of Deter	cted Data	0.063	0.037		1996 h				
SD of Deter	cted Data	0.143	0.0344		······································		χ.		Martin Constanting and the constant of the second
111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1999 - Standa - Lancor Marchael Ann Ann an A						
Wilcoxon-Mann-W		-							
Wilcoxon-Ma	Inn-Whitney	(WMW) Te	est				and the second		
la na sharayan danakar kan tan i kawangadana sa ji ja ana ana ana ta san na san ang	Manhara a sa	and and source of any sympletic converse							1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
H0: Mean/Median of Site or AOC	>= Mean/M	edian of B	ackground					1	1999, I
e hann an ann an ann an ann an ann ann an			· ·····	9 ⁹⁹ 1441	and the second second second second				178 - Weinerson (1997), 1997,
and the second descent of the second descent of the second descent of the second descent of the second descent	Sum W-Stat			· · · · · · · · · · · · · · · · · · ·					
ter en anticipa de la companya de la construcción de la construcción de la construcción de la construcción de l	Test U-Stat	3.135		· · · · · · · · · · · · · · · · · · ·					······
WMW Critical Va		-1.645			e 11 Ann	• • •	· · · · · · · · · · · · · · · · · · ·		
	P-Value	0.999			9 I				
Conclusion with Alpha = 0.05									
Do Not Reject H0, Conclude Sit	a >= Booka	ound				· · · · · · ·	· · · · · .		
P-Value >= alpha (0.05)	e backgi		·			•••••	·		
					•	• • • • •			

the second of the second se		Mann-White	ney Site vs	Background	Compariso	on Test for	Data Sets v	vith Non-De	tects
User Selected Options							er er ettert datt an der er er er og og	•·····	
From File	M:\MY DC	CUMENTS	SITE FOLD	DER\Oil Cont	rol\Green Va	alley Citgo	stats.wst		
Full Precision	OFF			an a	annen an		- setter and a set of		
Confidence Coefficient	95%			999 - C. S.					
Substantial Difference (S)	0.000		999 - K.C. (1999) - W.S. (1999) - 1999			K	···· · · · · · · · · · · · · · · · · ·	en Anton or an area	
Selected Null Hypothesis	Site or AC	C Mean/Me	dian Less [*]	Than or Equa	to Backgro	und Mean/	Median (Fon	n 1)	
Alternative Hypothesis				er Than Back			awa	•	
Analasia War da i i i i ina kanana kanan ka Parte i Warana awa a ana a ang wara	. k			teres you teres a batter without without a com-	Annon 1			and the second	
n dharanananan an a dharananan ananan ar an ar an			1			1			
a of Concern Data: MwCrVI	and an and a subdemant and		88 - Sana an an an Andrew an ann an an			1		-	
kground Data: CrVI	arabatiko da				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		*	· · · · · · · · · · · · · · · · · · ·	
		111		na na shakara kada ka kara ku shekara .	**************************************	· · · · · · · · · · · · · · · · · · ·			
	Raw Statist	ics	nakonen iko manazoran kata atau atau a	an a	······································	· · · · · · · · · · · · · · · · · · ·			
		Site	Backgrou	nd	1.000000000000000000000000000000000000				
Number of V		53	136						
Number of Missir	-	9	29	** To Be At 12000 - could private a the set on property and the set of the				· · · · · · · · · · · · · · · · · · ·	-
Number of Non-De	etect Data	25	98	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			1	-
Number of De		28	38						1
Minimum No	on-Detect	0.02	0.02	h mar di silani su di su angenera su su angenera su		· · · · · · · · · · · · · · · · · · ·			1
Maximum No		0.02	0.02			1997 - State Barrier, A., 1997 - State Sta			·
Percent No	on detects	47.17%	72.06%				1.5 Million - Carlos Anno 1999		
Minimum		0.02	0.022			1 2		· · · · · · · · · · · · · · · · · · ·	-
Maximum		0.596	0.152						
Mean of Dete		0.126	0.0523	5			- Constrained and the second s		
Median of Dete		0.063	0.037			A			1
SD of Dete	cted Data	0.143	0.0344						
	0''	-							
Wilcoxon-Mann-W		-						ور درور وه درور وه مارو م	
Wilcoxon-Ma		y (wmvv) 10	95 [a ana ana amin'ny sora ana amin' amin'ny sora amin'ny sora amin'ny sora amin'ny sora amin'ny sora amin'ny sora	1				
Mean/Median of Site or AOC	<= Meen/	Median of B	ackaround		_ ,			*****	
			ackyrounu	to the Marcol of the Same Marcol of Additional Same and the Same and	······································		-	·····	
Site Bank !	Sum W-Sta	t 6094	1	• • • • • • • • • • • • • • • • • • •	and a second			· · · · · · · · · · · · · · · · · · ·	
and the set of the set of the second set of the set of the second s	Test U-Sta								
WMW Critical V				• • • • • • • • • • • • • • • • • • •	8 9419 - 1				
Arthur ar ann a feinne ceirice ceir an ann an an ann		8.6873E-4		·				Mar. 1000 1	
and the second			i	· · · · · · ·					
clusion with Alpha = 0.05		·					: 	1 1 1 1 1	÷
eject H0, Conclude Site > Bac	ckground					* • • • • • • • • •	*	: : :	1
-Value < alpha (0.05)	•				·			≰	
				and the second second		: : : :		1	

	n naturna e an anna an Anain,		C	Dutlier Tes	ts for Selec	ted Variable	S		L	L	l
	U	ser Selecte	ed Options							·· · ·	
		F	rom File N	A:\MY DOO			R\Oil Cont	rol\Green	Valley Citg	o\stats3.wst	
		Full F	Precision C	DFF	••••						
est for Su	spected Out	liers with D	ixon test 1						•• ••• ••• ••		
st for Susp	pected Outli	ers with Ro	sner test 1	0			• • • •				
<u>.</u>											
		· · · · · · · · · · · · · · · · · · ·								· · · · · · · · · · · · · · · · · · ·	
		Rosner's	Outlier Test	t for Pb			· · · · · · · · · · · · · · · · · · ·				
		P. 1.1		·							
mber of da				···· · · · · · · · · · · · · · · · · ·							
mber of su	ispected out	liers: 10									
				·· ·········			1971 halo est com com a				
	·····		Potential	Test							
#	Mean	sd	outlier			value (1%)					
1	30.16	108.41	980.00	8.76							
2	23.18	72.08	530.00	7.03							
3	19.43	57.47	460.00	7.67	3.4762	3.8536					
4	16.14	43.09	323.00	7.12	3.4736	3.8436		1	ann dire a chuir a chuirteach ann ann an		
5	13.83	33.95	270.00	7.55	3.4736	3.8436	A		· · · · · · · · · · · · · · · · · · ·		
6	11.89	25.62	150.00	5.39	3.47108	3.84108		· • • · · · · · · · · · · · · · · · · ·			
7	10.84	22.66	145.00	5.92	3.46856	3.83856			·····		
8	9.80	19.42	110.00	5.16	3.46604	3.83604		•			
9	9.03	17.35	92.00	4.78	3.46352	3.83352			Peter de la companya de la companya	******	
10	8.38	15.77	91.00	5.24	3.461	3.831					
			····· ··· · · · · · · · · · · · · · ·		n a na an ann ann an an an an an an an a	9		• • • • • • • • • • • • • • • • • • •			
			10 Potential	Outliers				······································			
	otential Stati							· · · · · · · · · · · · · · · · · · ·			
.00, 530.0	00, 460.00, 3	323.00, 270	0.00, 150.00,	145.00, 1	10.00, 92.00	, 91.00		······		· · · · · · ·	
			1.1	na na mana ang kana kana kana kana kana kana ka	n/.aMadanana	**************************************		1997			•••••••
1% Signit	ficance Leve	el, there are	10 Potentia	Outliers	1999 - Tarlon W. Martin, K. (1999) - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999			······			
refore, Po	otential Stati	stical Outlie	ers are	an en la desente en en en anticipada en						**************************************	
00 530 0	0 460 00 1	222 00 270	0.00, 150.00,	145 00 4			en en en energie en de anne	1			

		1				1		1.	
	Wilcoxon-N	Mann-Whit	ney Site vs	Backgrou	nd Comparis	on Test for	Data Sets v	with Non-Dr	etects
User Selected Options	S								··· ····
From File	M:\MY DO	CUMENTS	SITE FOLD	DER\Oil Co	ntrol\Green \	/alley Citgo\s	stats.wst		·· ····
Full Precision	OFF					· · · · · · · · · · · · · · · · · · ·			
Confidence Coefficient	95%				the entry of the second s				
Substantial Difference (S)	0.000			·					
Selected Null Hypothesis	Site or AOC	C Mean/Me	dian Greate	er Than or f	Equal to Back	ground Mea	an/Median (F	Form 2)	
Alternative Hypothesis					round Mean/		· · · · · · · · · · · · · · · · · · ·		
anna a' ann an Anna Anna ann an Anna ann an Anna a' ann an Anna ann an Anna ann an Anna ann ann		t o order an and an errore.		······ ··· · · · · · · · · · · · · · ·			···· ···		· · · · · · · · · · · · · · · · · · ·
							·· y ·· · · · · · · · · · · · · · · · ·		
rea of Concern Data: MwCrVI			1. W e consistent of the second of		· · · · · · · · · · · · · · · · · · ·		····	P	
ackground Data: CrVI		*** ***********************************		· · · · Anno · · · · · · · · · · · · · · · · · ·			•	· · · · · · · · · · · · · · · · · · ·	
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·	······································	
	Raw Statistic	s			Markan (1997)			··· •• •• •• •• •• •• •• •• •• •• •• ••	
• • • • • • • • • • • • • • • • • • •		Site	Backgrou	nd	· · · · · · · · · · · · · · · · · · ·		·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Number of \		57	136						
Number of Missi	-	9	29						**************************************
Number of Non-De		25	98					1	
Number of De		32	38				······································		
Minimum N	Non-territory of the second	0.02	0.02					· · · · · · · · · · · · · · · · · · ·	
Maximum N		0.02	0.02					- Post counter of the spectra	•
Percent No		43.86%	72.06%						1 (1) (1) (1) (1) (1) (1) (1) (1
	Detected	0.02	0.022		1000 1 m 10 m 10 m 10 m 10 m 10 m 10 m				
Maximum		81.2	0.152		••••••••••••••••••••••••••••••••••••••	1	· · · · · · · · · · · · · · · · · · ·		
Mean of Dete Median of Dete		5.704	0.0523						
SD of Dete		0.078	0.037						
		19.02	0.0344						
Wilcoxon-Mann-W	hitney Site y	e Backaro	und Toot	A					-
Wilcoxon-Ma							· · · · · · · · · · · · · · · · · · ·		+
ana ah saanayyay ya ahaana ah ilaana ah ya ahaana ya ahaana ah ahaanaa ahaanaa ah				eleteration de la companya de la com	1199				
0: Mean/Median of Site or AOC	>= Mean/M	edian of B	ackaround	nakan na satawaka saja na ma			191 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
nan aliyada Muud uu Audda a'r colaragan olofallonol y ddad uu uu aanu ak oo o y y	An - Samana - an Anton - annai Alama A mara			tani ana ing kanalana ang kanalana	••••••••••••••••••••••••••••••••••••••	•		10- datas	
Site Rank S	Sum W-Stat	6860	**************************************		······································	······································	- Mari - chachana (41		· · · · · · · · ·
A second of the second s	Test U-Stat	3.76		·			1 6		
WMW Critical V		-1.645	· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·
and the second	P-Value	1		· · · · · · · · · · · · · · · · · · ·				····	
··· · · · · · · · · · · · · · · · · ·								1	-
onclusion with Alpha = 0.05						· · · · · · · · · · · · · · · · · · ·		: : · · · ·	··· · ·
Do Not Reject H0, Conclude Si	te >= Backgr	round							
P-Value >= alpha (0.05)									
				• • •					-

Background Deta: CrVI Site Site Background Number of Valid Data 57 136 Number of Mon-Detect Data 25 98 Number of Non-Detect Data 22 98 Number of Detect Data 22 98 Number of Detect Data 22 98 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Background Test Wilcoxon-Mann-Whitney (WMW) Test 1645 Site Rank Sum W-Stat (6860 WMW Test U-Stat (3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5									1	
User Selected Options From File WorkSheet.wst From File WorkSheet.wst From File WorkSheet.wst Full Precision OFF Confidence Coefficient 95% Substantial Difference (S) 0.00 Selected Null Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median (Form 1) Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Area of Concern Date: MwC/VI Background Date: CA/I Rew Statistics Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Mosing Values 9 29 Number of Mosing Values 9 29 Number of Detect Data 25 98 Number of Detect Data 22 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Mean of Detected Data 57/206% Minimum Detected 0.02 0.02 Mean of Detected Data 57/80 0.037 Sto Of Detected Data 57/70 0.037 Sto Of Detected Data 57/70 WMW Critical Value (0.050) WWW Test U-Stat 3.757 WMW Critical Value (0.050) P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background		Wilcoxon-N	Aann-White	ney Site vs Ba	ckground	Comparis	on Test for	Data Sets	with Non-De	tects
Full Precision OFF Confidence Coefficient 95% Substantial Difference (S) 0.000 Selected Null Pryothesis Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1) Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Aree of Concern Date: MvC/VI Background Rew Statistics Site Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Missing Values 29 Number of Missing Values 29 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 Maximum Detected 0.02 Mean/Detected Data 5.704 0.0523 Median of Detected Data SD of Detected Data 0.78 SD of Detected Data 0.78 SD of Detected Data 0.703 SD of Detected Data 0.79 Median of Detected Data 0.778 VIIcoxon-Mann-Whitney (VMW) Test <th>User Selected Options</th> <th></th> <th></th> <th>····· · · · · · · · · · · · · · · · ·</th> <th></th> <th>·· ···· ··· · ··· ··· ····</th> <th></th> <th></th> <th></th> <th></th>	User Selected Options			····· · · · · · · · · · · · · · · · ·		·· ···· ··· · ··· ··· ····				
Confidence Coefficient 95% Substantial Difference (S) 0.000 Selected Null Hypothesis Site or AOC Mean/Median Creater Than Dackground Mean/Median (Form 1) Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Area of Concern Data: MwC/VI Beckground Data: MwC/VI Beckground Data: C/VI Raw Statistics Site Background Number of Vaild Data 57 136 Number of Non-Detect Data 25 98 Number of Non-Detect Data 22 38 Number of Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.152 Mean of Detectata 32 0.037 SD of Detectata 19.02 0.034 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test th ⁰ : Meen/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	From File	WorkSheet	.wst	······ · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		
Substantial Difference (S) 0.000 Selected Null Hypothesis Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1) Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Area of Concern Data: MwCrVI Background Background Data: CVI Site Raw Statistics Site Number of Vail Data 57 Number of Vail Data 57 Number of Missing Values 9 Number of Nocleted Data 25 Number of Detect Data 32 Minimum Non-Detect 0.02 O.02 0.02 Maximum Non-Detect 43.86% Yilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney Site vs Background Site Rank Sum W-Site (8600) WMW Test U-Site (33.757) WMW Critical Value (0.050) Nutree value 8.6001E-5	Full Precision	OFF			· ·· ·· · · · · · · · · · · · · · · ·					
Selected Null'Hypothesis Site or AOC Mean/Median Less Than or Equal to Background Mean/Median Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Area of Concern Data: MwCrVI Background Data: CrVI Background Data: CrVI Site Background Number of Vaild Data 57 Site Background Number of Vaild Data 57 Number of Non-Detect Data 25 Number of Non-Detect Data 22 Number of Non-Detect 0.02 Maximum Non-Detect 0.02 Maximum Non-Detect 0.02 Maximum Detected 81.2 Maximum Detected 0.02 Maximum Detected 81.2 Other of Data 5.774 Nean of Detected Data 5.704 Sto of Detected Data 0.707 Sto of Detected Data 0.704 Wilcoxon-Meann-Whitney (WMW) Test Wilcoxon-Meann-Whitney (WMW) Test Wilcoxon-Meann-Whitney (WMW) Test Wilcoxon-Meann-Whitney (MMW) Test Wilcoxon-Meann-Whitney (WMW) Test Wilcoxon-Meann-Whitney (WMW) Test WWW Critical Value (0.050) 1.64	Confidence Coefficient	95%								
Alternative Hypothesis Site of AOC Mean/Median Greater Than Background Mean/Median Area of Concern Data: MwCrVI	Substantial Difference (S)	0.000		1 alasa 1 a			· · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Alternative Hypothesis Site or AOC Mean/Median Greater Than Background Mean/Median Aree of Concern Data: MwCrVI Background Data: CrVI Background Data: Site Background Data: Site Number of Valid Data 57 136 Number of Non-Detect Data Number of Non-Detect Data 22 Number of Detect Data 32 Minimum Non-Detect 0.02 Maximum Non-Detect 0.02 Maximum Detected 81.2 On Detected Data 5.704 Mean of Detected Data 0.02 Mean of Detected Data 0.074 0.0523 0.037 SD of Detected Data 0.078 Wilcoxon-Mann-Whitney (WMW) Test Wilcoxon-Man	Selected Null Hypothesis	Site or AOC	C Mean/Me	dian Less Thai	n or Equal	to Backgro	ound Mean/	Median (For	m 1)	·····
Area of Concern Data: MvCrV1 Beckground Data: CrV1 Rew Statistics Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Non-Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 19.02 0.034 Wilcoxon-Mann-Whitney Site vs Background EVENCEMENT Wilcoxon-Mann-Whitney (WMW) Test Wilcoxon-Mann-Whitney (WMW) Test Wilcoxon-Mann-Whitney (MMW) Test Wilcoxon-Mann-Whitney (MMW) Test Wilcoxon-Mann-Whitney (MMW) Test Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	Alternative Hypothesis							• • • • •		
Background Data: C/VI Rew Statistics Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Mon-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	an and an	·	· · · · · · · · · · · · · · · · · · ·			Ner 495-11 Markana – an ara a banana				
Background Data: C/VI Rew Statistics Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Mon-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	• Martin Charles Manager Construction and according to the model and according to the model of the model o		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · ·	
Rew Statistics Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.702 0.034 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background 1845 WWW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5	Area of Concern Data: MwCrVI		11. 6 600. 6		······					
Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney (WMW) Test H0: Meen/Median of Background H0: Meen/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background Site Rank Surder Site > Back	Background Data: CrVI						· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • •		······································
Site Background Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney (WMW) Test H0: Meen/Median of Background H0: Meen/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background Site Rank Surder Site > Back		·····		1999 ()				··· ‡·· ··· ·· · · · · · · · · · · · ·		······································
Number of Valid Data 57 136 Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.02 Maximum Detected 0.02 0.02 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 MWW WW Test U-Stat 3.757 VMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background Site Packground		Raw Statistic	3			· · · · · · · · · · · · · · · · · · ·				
Number of Missing Values 9 29 Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Mexino of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test HO: Meen/Median of Site or AOC <= Meen/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMWW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background Site Packground Site Packground		P 10 P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Background		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · ·		
Number of Non-Detect Data 25 98 Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background			57	136		and the last of the foreign part of			-	
Number of Detect Data 32 38 Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344		-	9	29				1999 - Barthan Barthan, Sanadaran (Kabara)		
Minimum Non-Detect 0.02 0.02 Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344	IPA I VALUE I I I I I I I I I I I I I I I I I I I		25	98		• • • • • • • • • • • • • • • • • • •			1 (11 - 14)	-
Maximum Non-Detect 0.02 0.02 Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344			32	38		and a second				
Percent Non detects 43.86% 72.06% Minimum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Meen/Median of Site or AOC <= Meen/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5				· · · · · · · · · · · · · · · · · · ·						
Minimum Detected 0.02 0.022 Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5	الم المراجع الم المراجع المراجع						· · · · · · · · · · · · · · · · · · ·			
Maximum Detected 81.2 0.152 Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344	e da anna Anna Anna agus a sa tao kao kao kao mana amin'					-				i dell'Allandia di sua di s
Mean of Detected Data 5.704 0.0523 Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 P-Value 8.6001E-5			· · · · ·							
Median of Detected Data 0.078 0.037 SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5	· · · · · · · · · · · · · · · · · · ·									
SD of Detected Data 19.02 0.0344 Wilcoxon-Mann-Whitney Site vs Background Test						Marine 1. 1. 1. 10. 10. 10. 10. 10. 10. 10. 10				A contraction of the second seco
Wilcoxon-Mann-Whitney Site vs Background Test Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	a a construction of the second									
Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background		cted Data	19.02	0.0344	· · · · · · · · · · · · · · · · · · ·		······································	-		
Wilcoxon-Mann-Whitney (WMW) Test H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	Wilcovon Monn M	hitaa Cita u	- Peekee					4		
H0: Mean/Median of Site or AOC <= Mean/Median of Background Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	an and within a second construction to antide announce of the construction of database program		-			1			er et fan de fan in de fan	ann A 19
Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background			(******) 18				· · · · · · · · · · · · · · · · · · ·			
Site Rank Sum W-Stat 6860 WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	H0: Mean/Median of Site or AOC	<= Mean/M	edian of B	ackaround	· ·····	5 - 55 511, 1980 				2 2 2 2 2 3 2 3 2 3 2 3 2 3 3 3 3 3 3 3
WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background									and the state of t	
WMW Test U-Stat 3.757 WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	Site Rank	Sum W-Stat	6860	1					ļ	
WMW Critical Value (0.050) 1.645 P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	and the second			·	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	: 	1		ļ
P-Value 8.6001E-5 Conclusion with Alpha = 0.05 Reject H0, Conclude Site > Background	WMW Critical V	alue (0.050)		· · · · · · · · · · · · · · · · · · ·		and an an an and and the	·	· · · · · · · · · · · · · · · · · · ·		
Reject H0, Conclude Site > Background	en en la companya de		8.6001E-5		· · · · · · · · ·		· ···· ·····			
Reject H0, Conclude Site > Background	an a	e e se e e e e e e e e e e e e e e e e		·						
	Conclusion with Alpha = 0.05			· · · · ·						· · · · · ·
P-Value < alpha (0.05)	Reject H0, Conclude Site > Bac	ckground								1
	P-Value < alpha (0.05)				*				2 :	
					-			an a	• • • • • •	

•

.

					T	T	1		1
	Wilcoxon-N	Aann White	l ney Site vs E	Background	Comparie	D. Tost for (Lata Sata w		
User Selected Options				Jackyrounu	Compana		Jala Sels w		.ecis
From File		NIMENTO							
		JUMENTS	SITE FOLDE		ol\Green v	alley Citgo\s	ats3.wst		
Full Precision	OFF		· · · · · · · · · · · · · · · · · · ·						
Confidence Coefficient	95%				A			······	
Substantial Difference (S)	0.000					••• •••			
Selected Null Hypothesis	1		dian Greater			-	n/Median (F	orm 2)	
Alternative Hypothesis	Site or AOC	C Mean/Me	dian Less Th	an Backgro	und Mean/N	Aedian			
ang A nakana akana akan ta ta sa ana ang ta ta ta sa									
						1			
Area of Concern Data: CrVI 8 12			e reco formanenta de	- Noticity,		5 - - -		1 10-10 1000	
Background Data: CrVI		n de l'adheannaitheannaitheannaitheanna he ag	en e de analysis and an anna anna an	*** • ******** • ** ** *****	a a far an			C	· · · · · · · · · · · · · · · · · · ·
Construction of administrative experimental Variation science and administration of the science and construction.		an an an ann				• • • • • • • • • • • • • • • • • • •			
ан роски и на малики миники жилики колики станки. Ут на вил маке 9,560 или с колики Р	Raw Statistic						· · · · · · · · · · · · · · · · · · ·		
ana a mana mananana mananana mananana manana ma		Site	Backgroun	d					
Number of V	/alid Data	19	136	1 1 1					· · · · · · · · · · · · · · · · · · ·
Number of Missir	ng Values	1	29						
Number of Non-De	tect Data	6	98			-			
Number of De	etect Data	13	38		a				
Minimum No	on-Detect	0.02	0.02		1999 - 19				-
Maximum No	on-Detect	0.02	0.02						
Percent No	n detects	31.58%	72.06%			-	· · · · · · · · · · · · · · · · · · ·	- hadda	
Minimum	Detected	0.022	0.022						
Maximum		81.2	0.152					19	
Mean of Dete	and the second se	6.356	0.0523						1101
Median of Dete		0.072	0.037	2 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8					
SD of Dete		22.49	0.0344	······································					
alloonadha amhda ann an 1999 (1999) - an tartach dhachd an an 1996 an 1996 an 1996 anns ann an an an an an an a		1	1	**************************************					
Wilcoxon-Mann-W	hitnev Site	vs Backoro	und Test	an 1.5.1					
Wilcoxon-Ma	-	-		• • • • • • • • • • • • • • • • • • •		******			1. 1. 1. 1
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ana ana amin'ny sora-ara-daharan'ny			· · · · · · · · · · · · · · · · · · ·		
	energia de la companya de la company		••••••••••••••••••••••••••••••••••••••			· · · · · · · · · · · · · · · · · · ·			
an an anna annsan ann an ann an Annaichtean ann ann ann ann ann ann ann ann ann	1. damadanan meneranan ara		e en e en la seconda e como e e como	understanding of the standard		······································			allow the second south southership
Site Dank	Sum W-Stat	2110		· · · · · · · · · · · · · · · · · · ·		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
	Test U-Stat				ļ				
WMW Critical V			· · · · · · · · · · · · · · · · · · ·						······································
· · · · · · · · · · · · · · · · · · ·							····		
Approxim	ate P-Value	I		1 • • • • • • • • • • •		; ;			
Copolution with Alaba - 0.05							*	: 	
Conclusion with Alpha = 0.05					1 1 1			: 	:
Do Not Reject H0, Conclude Si	ite >= Backę	jround			1 2	: : :		• •	: : :
								:	1

					1	· .			<u> </u>
<u> </u>	Vilcoxon-N	l Mann-Whitr	ley Site vs	L Background	Compariso	n Test for I	Data Sets w	ith Non-De	tects
User Selected Options			,						
			SITE FOLD	ER\Oil Contr	oi\Green Va	llev Citao\s	tats3.wst		
	DFF						10100.1101		
	95%								
	0.000								
		· Mean/Me	dian Greate	Than or Eq	ual to Back	round Mea	n/Median (F	orm 2)	
			1941 - Anna Maria Maria and Anna	nan Backgro		-		0111 2)	
anaganan ee aka amaa Mart 29 P tees keranan ee ee ekaa poom ee me					e ⁴ - · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	.	·····
a of Concern Data: CrVI 8 12					•	.	-		*
kground Data: CrVI 8-9			n de la companya de l			* 			
	5 108						- and 2000, 100, 100, 100, 100, 100, 100, 100		
Ra	w Statistic	28		d daamaa kaa kaa maara ay		1 			1
		Site	Backgroun	d			· · · · · · · · · · · · · · · · · · ·		
Number of Va	lid Data	19	66	- [·····				
Number of Missing		1	5	• • • • • • • • • • • • • • • • • • •			a a anala a anala a anala anala ang ang ang ang ang ang ang ang ang an		
Number of Non-Dete		6	40	······································					
Number of Dete	e en au contra contra da contra co	13	26	* · · · · · · · · · · · · · · · · · · ·					
Minimum Non		0.02	0.02						
Maximum Non		0.02	0.02			· · · · · · · · · · · · · · · · · · ·			
Percent Non		31.58%	60.61%				· · · · · · · · · · · · · · · · · · ·		······
Minimum D		0.022	0.024	-					
Maximum D	an an an an an an air air air air an air an	81.2	0.108		· · · · · · · · · · · · · · · · · · ·				·
Mean of Detect	ed Data	6.356	0.0437						
Median of Detecto	ed Data	0.072	0.035						
SD of Detect	ed Data	22.49	0.0204						
								1. 1990 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 199	
Wilcoxon-Mann-Whi	tney Site	vs Backgro	und Test		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Wilcoxon-Man	n-Whitney	(WMW) To	est		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
	ar ear a constant activity of	haad a cahambaa aanaa a addaa ah dhaan a aa		6 (10) - 10 - 10 - 10 - 10 - 10 - 10 - 10 -					
nað hað með den að menn manna að andar að sam ei den den að hað að að að dör að sem ei anna sam sam sam sam sa		****	*****	1	a	5 			
Site Rank Su	um W-Stat	1086		· · · · · · · · · · · · · · · · · · ·		ere ere one dambolo damaka			
WMW T	est U-Stat	896		1 1 1		· · · ·	· · · · · · · · · · · · · · · · · · ·		······································
WMW Critical Val	ue (0.050)	131		· · · · · · · · · · · · · · · · · · ·		- · · · · · · · · · · ·			
Approximat	te P-Value	0.998		· • · · · · · · · · · · · · · · · · · ·			20 - 110 - 1		· • · · · · · · · · · · · · · · · · · ·
			·, ·/··				• • • •	• • • • • • • • •	
nclusion with Alpha = 0.05	• • •					· · · ·	• • • • • •		
Do Not Reject H0, Conclude Site	>= Backg	ground							
									ter de la companya de

	1		r	1			1	· · · · · · · · · · · · · · · · · · ·	
		1441 1				- T			
	Wilcoxon-M	ann-Whitn	ey Site vs I	sackground	Compariso	n lest for l	Jata Sets w	ain Non-Det	ects
User Selected Options									
From File	M:\MY DOC	UMENTS\	SITE FOLDI	ER\Oil Contr	ol\Green Va	lley Citgo\s	tats2.wst		
Full Precision	OFF								
Confidence Coefficient	95%				1				
Substantial Difference (S)	0.000				Anna 111 - 111 (111 - 11				
Selected Null Hypothesis	Site or AOC						ledian (Form	n 1)	
Alternative Hypothesis	Site or AOC	Mean/Med	lian Greater	Than Back	ground Mear	/Median	·		
								•	1
ee of Concern Data: MwPb									
eckground Data: Pb									
	Raw Statistic	3							
		Site	Backgrour	nd					
Number of '		55	137					1 1	
Number of Missi		11	29						
Number of Non-D		22	52			and a state of the			
Number of D	etect Data	33	85			-			
Minimum N		1	1						
Maximum N		1	1	and advantations where a second second					
		40.00%	37.96%						
	n Detected	1.1	1						
	n Detected	99	980						
Mean of Det		9.021	48						ļ
Median of Dete	ected Data	2.1	5.3	and the second					ļ
SD of Det	ected Data	18.4	135.3						
a ann a muchanna ann an farchadh 1000 r an 10 an an an ann an an an an an an an an an	a selangkalang dada yang selang se								
Wilcoxon-Mann-V									
Wilcoxon-N	lann-Whitney	(WMW) T	est						
า พระนอกเสียงแก้แรกถึง เป็น เอาการ เข้าสุดภาพ เสียติมแต่ง เป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็นเป็น								1	ļ
10: Mean/Median of Site or AOC	C <= Mean/N	Median of B	ackground	na ang kanang		and an allow to the state of the state of the	·		
nynymesen and anderson hansen an eine en affan eine eine eine eine ein fan eine degenaam de en an eine eine ein			. _f						1
	CSum W-Stat								
	V Test U-Stat		-			3	an george a solitich providence and the second s		
WMW Critical		\$; ;;			
	P-Value	0.934	: 1	l					
Conclusion with Alpha = 0.05	·								1
Do Not Reject H0, Conclude S	site <= Backg	round					1 1		•
P-Value >= alpha (0.05)									
					:				

<u> </u>	lcoxon-Mann-Whitn	ey Site vs E	l 3ackground	Compariso	n Test for D	ata Sets w	ith Non-Det	ects
User Selected Options	·····	-						
	MY DOCUMENTS	SITE FOLD	ER\Oil Contr	ol\Green Va	lley Citgo\st	ats2.wst		
Full Precision OF		·····			· · · · ·			
Confidence Coefficient 95	-	a constant of the second second						
Substantial Difference (S) 0.0		1						
	e or AOC Mean/Me	dian Less Th	nan or Equa	TO BECKING	Mean/M	edian (Form	า 1)	
	e or AOC Mean/Me					• • • •		
· · · · · · · · · · · · · · · · · · ·			- 4					ala anna an a shina
. min wax min i					- · · · · · · · · · · · · · · · · · · ·		·····	n u ha
a of Concern Data: MwPb						· · · · · · · · · · · · · · · · · · ·		
ckground Data: Supply Pb			n an ann an Anna an Ann	and a set of the set of	- 		· · · · · · · · · · · · · · · · · · ·	
1	n an			-			\$	
Raw	v Statistics	99.900 - 196.90 - 1968.000 - 196					4	· · · · · · · · · · · · · · · · · · ·
a a sun an da Mana an Mara a a ann fannsanna a amhr anns muideannamhr a a s ha a A a Ma a Mhra Mara.	Site	Backgroun	d					
Number of Valio	d Data 55	24					11	· · · · · · · · · · · · · · · · · · ·
Number of Missing \	/alues 11	0				••••••••••••••••••••••••••••••••••••••		
Number of Non-Detec	t Data 22	10					-	** **
Number of Detec	t Data 33	14	-			· · · · · · · · · · · · · · · · · · ·		
Minimum Non-I	Detect 1	1					An (fei) - 1 (a - 1)(a - 1) - 1 (a - 1)(a -	
Maximum Non-	Detect 1	1			1	• • · · · · · · · · · · · · · · · · · ·	***************************************	
Percent Non d	letects 40.00%	41.67%						
Minimum De	ntected 1.1	1.1						
Maximum De	tected 99	38						
Mean of Detected		9.9						
Median of Detected	d Data 2.1	5.75		1	a construction of the second states of the second s			
SD of Detecte	d Data 18.4	11.53		and a second of differential Provide	······			
Wilcoxon-Mann-White								
Wilcoxon-Mann	-Whitney (WMW) T	est			1			
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
): Mean/Median of Site or AOC <=	= mean/Median of l	background						
					1 1 1 1 1			
	m W-Stat 2132				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
	est U-Stat -0.736 e (0.050) 1.645	·····						
WMW Critical Valu	in name a name of the second second					No		· · · · · · · · · · · · · · · · · · ·
	P-Value 0.769		: :		s.,	* *** * * * * * ***	-	
onclusion with Alpha = 0.05						• • •		
Do Not Reject H0, Conclude Site	<= Background				÷		4 • 1	
P-Value >= alpha (0.05)								

					1				
	Wilcoxon-M	Aann-Whitn	ey Site vs I	Background	Compariso	n Test for [) Data Sets w	ith Non-De	lects
User Selected Options				·····					
	M:\MY DO			ER\Oil Cont	rol\Green Va	lley Citao\s	tats2.wst		
	OFF	••••						a ta	
Confidence Coefficient	95%				a.ma			• ••••• •• ••••••	
	0.000			· · · · · · · · · · · · · · · · · · ·		• • • • • • • • •	••••••		
	Site or AO	C Mean/Me	lian Greater	Than OFE	uáľ 10 Back	notine Med	h/Median (F	orm 2)	11 II I
	CONTRACTOR AND ADDRESS OF				und Mean/M	Maria da 19 de de la desemblea de sete de la composición de la composición de la composición de la composición		· • · · · · · · · · · · · · · · · · · ·	
na a an Annan A									
an fa a canadan na batan sa katan sa katan na sa						y		· •••	
rea of Concern Data: MwPb					· · · · · · · · · · · · · · · · · · ·				
ackground Data: Supply Pb		a a construction of the confluence of the		1 - 1997/010 - ala 1 p-alformadilla	. b aaaaaaa ahaa ahaa ahaa ahaa ahaa ahaa				f
nga nangérana tana ny mét ang man	and a second	an a				1			
**************************************	law Statistic	: \$			-		- N		
and a standard distribute a state of a system in the second second state of a single second		Site	Backgroun	d	· · · · · · · · · · · · · · · · · · ·	**************************************		Marked Market Control (1998) 11 (
Number of V	alid Data	55	24				ngene en en annañen e e ferfans en a man		
Number of Missin	-	11	0				1		
Number of Non-De	tect Data	22	10						
Number of De		33	14						A data a second second
Minimum No		1	1						
Maximum No		1	1						
Percent No		40.00%	41.67%						
Minimum		1.1	1.1						
Maximum		99	38		11	· · · · · · · · · · · · · · · · · · ·	a		
Mean of Detec		9.021	9.9						
Median of Detec		2.1	5.75						
SD of Detec	cted Data	18.4	11.53	<u> </u>			· ·····		
	h : Mar an a Oille a			N. M.M. V. VI. VI. V. M. V.					
Wilcoxon-Mann-Wi Wilcoxon-Ma	-	-							
		(*****)	Ə l	Non estimato Acata con adamana haram			-		
0: Mean/Median of Site or AOC	>= Meen/l	Median of B	ackaround			· · · · · · · · · · · · · · · · · · ·			
			achgicana			Ma	-	-	
Site Rank :	Sum W-Sta	2132			A				a da anticipa d
· · · · · · · · · · · · · · · · · · ·	Test U-Sta								· · · · · · · · · · · · · · · · · · ·
WMW Critical V							δ		· · · · · · · · · · · · · · · · · · ·
and a second a second	P-Value								
			•		·		· · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Conclusion with Alpha = 0.05		·· ·· ·				ta ana ar	··· ··· ×···		
Do Not Reject H0, Conclude Si	te >= Back	ground				• • •		e	
P-Value >= alpha (0.05)					ş .				-

		1		1				
Wilco	xon-Mann-Whitr	ev Site vs B	ackoround	Comparisor	Test for D	ata Sets w	ith Non-Det	ects
User Selected Options				· · · · · · · · · · · · · · · · · · ·				
					lev Citao\et	ate2 wet		
Full Precision OFF	DOCOMENTS					d152.W51		
Confidence Coefficient 95%		·····						
Substantial Difference (S) 0.000			<u></u>					
A STATE OF A	r AOC Mean/Me			-	- M. C. M. Haller J. & Michael and A.	Median (F	orm 2)	
Alternative Hypothesis Site o	r AOC Mean/Me	dian Less Tha	an Backgrou	ind Mean/M	edian			
						pris 1 1 1 1 1		
	, paratula an an an air a bhuileachan an a			**		n - annahrananan an mar		• • • • • • • • • • • • • • • • • • •
Area of Concern Data: MwCrVI						· · · · · · · · · · · · · · · · · · ·		
Background Data: Supply CrVI	and the second	terne officer and the second second		tere to state		······	·	
		.,. ,				s		,
Raw St		Deal					 	2 5 5 7 1
	Site	Background	1					
Number of Valid D		24				1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
Number of Missing Valu		0				· · · · · · · · · · · · · · · · · · ·		
Number of Non-Detect D		3		Anna	ana na dessa edisamente essana sere			
Number of Detect D		21	11.16. (19) - 11.11.11.11.11.11.11.11.11.11.11.11.11.		energine e de farmede concerne			
Minimum Non-Det		0.02						
Maximum Non-Det		0.02						
Percent Non dete		12.50%	er Maria alam fa bastan - a paraga physi	ann an thair an	per e mentere e constante			
Minimum Detec		0.021						
Maximum Detec		4.68			a decade - chercele c'he archer d			
Mean of Detected D		0.944				· · · · · · · · · · · · · · · · · · ·		
Median of Detected D		0.26						
SD of Detected D	ata 19.02	1.274						
			daaraa ah					
Wilcoxon-Mann-Whitney	-		. Para Mandala			· • • • • • • • • • • • • • • • • • • •		
Wilcoxon-Mann-W	hitney (WMW) T	est	•••••		ana na na napata da da ana ana ana ana			
			en e contractor anti- e cantación					
H0: Mean/Median of Site or AOC >= M	ean/Median of E	Background						
				- mart - to see an a second billion				
Site Rank Sum V			a					
WMW Test I			·····					
WMW Critical Value (* * *			: :		
P-	Value 2.0615E-4	4 I				÷		-
							ļ	
Conclusion with Alpha = 0.05	· _ ··			8 9				
Reject H0, Conclude Site < Backgrou	Ind			· · · ·				
P-Value < alpha (0.05)				1 1				
					i	-		

		1	1		1				
	14/11	L	<u> </u>			-			
an a success and the second	f	vann-Whitr	ney Site vs I	Background	Compariso	n lest for [Jata Sets w	ith Non-Det	ects
User Selected Option					<u>.</u>				
From File		CUMENTS	SITE FOLDI	ER\Oil Contr	ol\Green Va	lley Citgo\s	ats2.wst		····
Full Precision									
Confidence Coefficient									
Substantial Difference (S)									
Selected Null Hypothesis	1		dian Less Th				ledian (Form	า 1)	
Alternative Hypothesis	Site or AO	C Mean/Me	dian Greater	Than Back	ground Mean	Median			
	- phage and phase and a second second second second second second	• • • • • • • • • • • • • • • • • • •							
Area of Concern Data: MwCrVI	an ang ang ang ang ang ang ang ang ang a								,
Background Data: Supply CrVI									
			·						
	Raw Statisti								
		Site	Backgroun	d					
Number o	f Valid Data	57	24						
Number of Mis	sing Values	9	0						
Number of Non-	Detect Data	25	3						
Number of	Detect Data	32	21						
Minimum	Non-Detect	0.02	0.02						
Maximum	Non-Detect	0.02	0.02			5			
Percent	Non detects	43.86%	12.50%			• • • • • • • • • • • • • • • • • • •			4
Minimu	Im Detected	0.02	0.021		100. WOOD A. O'BI I TO'M	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		1997 (nd	
Maximu	um Detected	81.2	4.68						
Mean of De	etected Data	5.704	0.944				- * • • • • • • • • • • • • • • • • • • •		
Median of De	etected Data	0.078	0.26						2 2
SD of De	etected Data	19.02	1.274	and a second contract of the first state of the	1			ang an	
page approximate destination and a single destination of the second	anaganaan ageweksi tati tati tati tak		a a . Yu aan she o aso hii i a aada						
Wilcoxon-Mann-	-Whitney Site	vs Backgro	ound Test				2 (Annu 1997) 2		
Wilcoxon-	Mann-Whitne	y (WMW) T	'est			•			
anna an amar anna anna anna anna anna an									
H0: Mean/Median of Site or AC	C <= Mean/	Median of E	Background						
namentalenen sittematen allen en en anderen dit. Mate en allen dit der einen sich sich die Amerikaanska Materia		Ma r							
Site Rai	nk Sum W-Sta	it 1995	, , , , , , , , , , , , , , , , , , ,					•	
WN	IW Test U-Sta	nt -3.542							e
WMW Critica	I Value (0.050) 1.645	5				1	genter de mont en rener e de Arte	
м на	P-Valu	e 1					g		
and a sume of the second s						5			
Conclusion with Alpha = 0.05				· · · ·					
Do Not Reject H0, Conclude	Site <= Back	ground				:			
P-Value >= alpha (0.05)					ę	* - -			;
			·					1	P

General UCL Statistics Data Sheets

General UCL Stati		te with Non Detects	Three and the second se
	stics for Data Se		
User Selected Options			
	ITS\SITE FOLDE	R\Oil Control\Green Valley Citgo\stats.wst	
Full Precision OFF			
Confidence Coefficient 95%			
Number of Bootstrap Operations 2000			
· · · · · · · · · · · · · · · · · · ·			
		an manana an a	
	0		
Alumber of Volid I	General S	and a manager of most a consideration of the state of the	
/ Number of Valid I		Number of Detected Data	38
Number of Distinct Detected		Number of Non-Detect Data	98
Number of Missing Va	lues 29	Percent Non-Detects	72.06%
Raw Statistics		Log-transformed Statistics	
Minimum Dete	cted 0.022	Minimum Detected	-3.817
Maximum Dete		Maximum Detected	-3.817
Mean of Dete		Mean of Detected	-3.112
SD of Dete		SD of Detected	0.546
Minimum Non-De		Minimum Non-Detect	-3.912
Maximum Non-De		Maximum Non-Detect	-3.912
ануулуу улуу улуу улуу талан талан Талан талан тала			
Normal Distribution Test with Detected Valu Lilliefors Test Sta		atistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic	-
Lilliefors Test Sta 5% Lilliefors Critical V	tistic 0.775 /alue 0.938	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value	nly 0.902 0.938
Lilliefors Test Sta	tistic 0.775 /alue 0.938	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic	0.902
Lilliefors Test Sta 5% Lilliefors Critical V	tistic 0.775 /alue 0.938	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value	0.902
Lilllefors Test Sta 5% Lilllefors Critical V Data not Normal at 5% Significance Le	tistic 0.775 /alue 0.938 vel	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level	0.902
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me	tistic 0.775 /alue 0.938 vel	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution	0.902
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me	tistic 0.775 /alue 0.938 vel	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method	0.902
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me	tistic 0.775 /alue 0.938 vel sthod /ean 0.0218 SD 0.0262	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean	0.902 0.938 -4.188
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD	0.902 0.938 -4.188 0.731
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD	0.902 0.938 -4.188 0.731
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t)	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL	0.902 0.938 -4.188 0.731
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method	0.902 0.938 -4.188 0.731 0.0196
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale	0.902 0.938 -4.188 0.731 0.0196 -4.494
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale Mean in Original Scale	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale 95% Percentile Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale Mean in Original Scale	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean	tistic 0.775 /alue 0.938 vel hthod /ean 0.0218 SD 0.0262 UCL 0.0256 hthod N/A	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale SD in Original Scale 95% Percentile Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Ler Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean Gamma Distribution Test with Detected Valu	tistic 0.775 (alue 0.938 vel hthod Aean 0.0218 SD 0.0262 UCL 0.0256 hthod N/A	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale 95% Percentile Bootstrap UCL 95% BCA Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254
Lillefors Test Sta 5% Lillefors Critical V Data not Normal at 5% Significance Lev Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean MLE yields a negative mean Gamma Distribution Test with Detected Value k star (bias corrected Value)	tistic 0.775 (alue 0.938 vel thod Aean 0.0218 SD 0.0262 UCL 0.0256 whod N/A esthod N/A	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale SD in Original Scale 95% Percentile Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Ler Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean MLE yields a negative mean Gamma Distribution Test with Detected Valu k star (bias corred Theta	tistic 0.775 /alue 0.938 vel hthod /ean 0.0218 SD 0.0262 UCL 0.0256 hthod N/A sthod N/A ves Only Cted) 2.997 Star 0.0175	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale 95% Percentile Bootstrap UCL 95% BCA Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Ler Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean MLE yields a negative mean Gamma Distribution Test with Detected Valu k star (bias corred Theta	tistic 0.775 (alue 0.938 vel thod Aean 0.0218 SD 0.0262 UCL 0.0256 whod N/A esthod N/A	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale 95% Percentile Bootstrap UCL 95% BCA Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Ler Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean MLE yields a negative mean Gamma Distribution Test with Detected Valu k star (bias corred Theta	tistic 0.775 /alue 0.938 vel thod /ean 0.0218 SD 0.0262 UCL 0.0256 othod N/A N/A vel thod N/A	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale Mean in Original Scale SD in Original Scale 95% Percentile Bootstrap UCL 95% BCA Bootstrap UCL Data Distribution Test with Detected Values Only Data do not follow a Discernable Distribution (0.05)	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254
Lilliefors Test Sta 5% Lilliefors Critical V Data not Normal at 5% Significance Le Assuming Normal Distribution DL/2 Substitution Me N 95% DL/2 (t) Maximum Likelihood Estimate(MLE) Me MLE yields a negative mean MLE yields a negative mean Gamma Distribution Test with Detected Valu k star (bias correc Theta	tistic 0.775 (alue 0.938 vel hthod 0.0218 SD 0.0262 UCL 0.0256 hthod N/A star 0.0175 star 0.0175 star 227.7 tistic 1.67	Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale SD in Log Scale SD in Log Scale SD in Original Scale 95% Percentile Bootstrap UCL 95% BCA Bootstrap UCL	0.902 0.938 -4.188 0.731 0.0196 -4.494 1.138 0.0208 0.0271 0.0249 0.0254

0.0225	SD	0.144	5% K-S Critical Value
0.00196	SE of Mean	vel	Data not Gamma Distributed at 5% Significance Le
0.0337	95% KM (t) UCL		and a second
1	95% KM (z) UCL	·	Assuming Gamma Distribution
0.0332	95% KM (jackknife) UCL		Gamma ROS Statistics using Extrapolated Data
0.0344	95% KM (bootstrap t) UCL	1.0000E-9	Minimum
0.0357	95% KM (BCA) UCL	0.152	Maximum
0.0344	95% KM (Percentile Bootstrap) UCL	0.081	
0.039	95% KM (Chebyshev) UCL	0.0833	Median
0.0427	97.5% KM (Chebyshev) UCL	0.0405	SD
0.05	99% KM (Chebyshev) UCL	1.337	k star
		0.0606	Theta star
de monte contra d	Potential UCLs to Use	363.7	Nu star
0.0337	95% KM (t) UCL	320.5	AppChi2
. 0.0344	95% KM (% Bootstrap) UCL	0.0919	95% Gamma Approximate UCL
· · · · · · · · · · · · · · · · · · ·		0.092	95% Adjusted Gamma UCL
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			РЬ
a 85	Statistics Number of Detected Data	General 137	Number of Valid Data
	Number of Non-Detect Data	66	Number of Distinct Detected Data
	Percent Non-Detects	29	Number of Missing Values
	Log-transformed Statistics Minimum Detected Maximum Detected	1 980	Minimum Detected Maximum Detected
		48	Mean of Detected
	SD of Detected	135.3	SD of Detected
t O	Minimum Non-Detect		Minimum Non-Detect
		i i	
kj U	Maximum Non-Detect	1	Maximum Non-Detect
	Maximum Non-Detect	UCL S	
s Only	batistics Lognormal Distribution Test with Detected Values Or		Maximum Non-Detect
o Oniy c 0.132 e 0.0961	batistics Lognormal Distribution Test with Detected Values Or	nly	Maximum Non-Detect Normal Distribution Test with Detected Values O
o Oniy c 0.132 e 0.0961	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value	n ly 0.364	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value
s Oniy c 0.132 s 0.0961	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level	n ly 0.364	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level
e Only c 0.132 e 0.0961	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean	nly 0.364 0.096 29.97	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution
e Only c 0.132 e 0.0961	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD	niy 0.364 0.096 29.97 108.9	Maximum Non-Detect Normal Distribution Test with Detected Values O Littliefors Test Statistic 5% Littliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean SD
s Only c 0.132 s 0.0961 H d 1.097 D 1.93	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD	niy 0.364 0.096 29.97 108.9	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean
s Only c 0.132 s 0.0961 H d n 1.097 D 1.93 L 20.51	Autistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL	niy 0.364 0.096 29.97 108.9	Maximum Non-Detect Normal Distribution Test with Detected Values O Littliefors Test Statistic 5% Littliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean SD
e Only c 0.132 e 0.0961 H 1 1.097 D 1.93 L 20.51	Autistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL	nly 0.364 0.096 29.91 108.9 45.38	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean SD 95% DL/2 (t) UCL
a Only c 0.132 a 0.0961 d 1 1.097 b 1.93 c 20.51 d a 0.6	tatistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method	nly 0.364 0.096 29.91 108.9 45.38	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean SD 95% DL/2 (t) UCL Maximum Likelihood Estimate(MLE) Method
s Only c 0.132 s 0.0961 d 1.097 D 1.93 L 20.51 d 0.6 s 2.573	Antistics Lognormal Distribution Test with Detected Values Or Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Lognormal at 5% Significance Level Assuming Lognormal Distribution DL/2 Substitution Method Mean SD 95% H-Stat (DL/2) UCL Log ROS Method Mean in Log Scale	nly 0.364 0.096 29.91 108.9 45.38	Maximum Non-Detect Normal Distribution Test with Detected Values O Lilliefors Test Statistic 5% Lilliefors Critical Value Data not Normal at 5% Significance Level Assuming Normal Distribution DL/2 Substitution Method Mean SD 95% DL/2 (t) UCL Maximum Likelihood Estimate(MLE) Method

		95% Percentile Bootstrap UCL	46.55
and a set of the set of	• • • • • •	95% BCA Bootstrap UCL	51.54
and a second	• • • • •	en e	
Gamma Distribution Test with Detected Values Onl	y	Data Distribution Test with Detected Values Only	
k star (bias corrected)	0.387	Data do not follow a Discernable Distribution (0.05)
Theta Star	124		
nu star	65.81	n Maria and an	1997 - An An Anna A
		No 1997 - Mar 1998 - 1999 - 1997 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	
A-D Test Statistic	6.678	Nonparametric Statistics	Manuti
5% A-D Critical Value	0.844	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.844	Mean	30.1
5% K-S Critical Value	0.104	SD	108.4
Data not Gamma Distributed at 5% Significance Lev	rel	SE of Mean	9.31
		95% KM (t) UCL	45.5
Assuming Gamma Distribution		95% KM (z) UCL	45.49
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	45.56
Minimum 1	.0000E-9	95% KM (bootstrap t) UCL	60.34
Maximum	980	95% KM (BCA) UCL	46.7
Mean	31.98	95% KM (Percentile Bootstrap) UCL	45.98
Median	2.9	95% KM (Chebyshev) UCL	70.78
SD	108.6	97.5% KM (Chebyshev) UCL	88.3
k star	0.109	99% KM (Chebyshev) UCL	122.9
Theta star	293.4		
Nu star	29.86	Potential UCLs to Use	n an a star an an a star an
	······································		
AppChi2	18.38	97.5% KM (Chebyshev) UCL	88.35
95% Gamma Approximate UCL	51.94	97.5% KM (Chebyshev) UCL	88.35
		97.5% KM (Chebyshev) UCL	88.3
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method.	51.94	97.5% KM (Chebyshev) UCL	88.3
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method.	51.94 52.22 General Sta		88.3
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data	51.94 52.22		
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data	51.94 52.22 General Sta 57 30	tistics	31
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data	51.94 52.22 General Sta 57	tistics Number of Detected Data	32
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values	51.94 52.22 General Sta 57 30	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects	32
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics	51.94 52.22 General Sta 57 30 9	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics	88.3! 32 25 43.86%
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected	51.94 52.22 General Sta 57 30 9 0.02	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected	32 25 43.86% -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected	51.94 52.22 General Sta 57 30 9 .0.02 81.2	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected	32 25 43.86% -3.912 4.397
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrV1 Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected Mean of Detected	51.94 52.22 General Sta 57 30 9 .0.02 81.2 5.704	tistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected	32 25 43.86% -3.912 4.397 -1.781
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected	-3.912 4.397 -1.781 2.2
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected SD of Detected SD of Detected	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02 0.02	tistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected Minimum Non-Detect	-3.912 43.86% -3.912 4.397 -1.781 2.2 -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrV1 Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02	tistics Number of Detected Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected	-3.912 43.86% -3.912 4.397 -1.78° 2.2 -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected SD of Detected SD of Detected Minimum Non-Detect	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02 0.02 0.02 0.02 0.02	tistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected Minimum Non-Detect Maximum Non-Detect	-3.912 43.86% -3.912 4.397 -1.781 2.2 -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrV1 Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected SD of Detected Minimum Non-Detect	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02 0.02 0.02 0.02 0.02	tistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected Minimum Non-Detect Maximum Non-Detect	-3.912 43.86% -3.912 -1.781 2.2 -3.912 -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrV1 Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected SD of Detected SD of Detected Minimum Non-Detect	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02 0.02 0.02 0.02 0.02	ntistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected Minimum Non-Detect Maximum Non-Detect	-3.912 43.86% -3.912 4.397 -1.781 2.2 -3.912 -3.912
95% Gamma Approximate UCL 95% Adjusted Gamma UCL Note: DL/2 is not a recommended method. MwCrVI Number of Valid Data Number of Distinct Detected Data Number of Missing Values Raw Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected Minimum Non-Detect Maximum Non-Detect	51.94 52.22 General Sta 57 30 9 0.02 81.2 5.704 19.02 0.02 0.02 0.02 0.02	ntistics Number of Detected Data Number of Non-Detect Data Number of Non-Detect Data Percent Non-Detects Log-transformed Statistics Minimum Detected Maximum Detected Mean of Detected SD of Detected SD of Detected Minimum Non-Detect Maximum Non-Detect	32 25 43.86% -3.912 4.397 -1.781 2.2 -3.912 -3.912 -3.912

								100 B
	Assuming Normal Distrit				Assi	iming Logn	ormal Distribution	L
	DL/2 Substi	tution Method				C	L/2 Substitution Meth	od
······································	and the second	Mean	3.206			· ··· ·	Me	an -3.019
and the second	And the second	SD	14.44				• • • • • • • • • • • • • • • • • • •	SD 2.163
rante que base en 1777	95%	DL/2 (t) UCL	6.404			te ne nome di si si se sensi	95% H-Stat (DL/2) U	CL 0.91
	·····	· · · · · ·					terrende en	
Attendence - addition of the sec	Maximum Likelihood Estimate(N/A			•••••••••••••••••••••••••••••••••••••••	Log ROS Meth	od
	MLE yields a negative n	nean					Mean in Log Sca	ale -4.175
n an	en e en en en anten en e						SD in Log Sca	i
Marine							Mean in Original Sca	
Mandalan yaya tang Mandalan yaya tanan sa kana a	Manda a substance a substance and an and an and a substance a substance a substance a substance a substance a s						SD in Original Sca	
	n an an ann an an All ann ann ann an an an an an an an an an					and the second second second	ercentile Bootstrap U	
		м м м ини и на на		- Ver and and the second second second	Anna taka akanangkang gara	9	5% BCA Bootstrap U	CL 7.987
Gan	nma Distribution Test with Deter	ted Values Or	h			·····	·····	
	and a second	ias corrected)	0.209	the second second second second second			ith Detected Values (•
		Theta Star	27.28				ernable Distribution (0.05)
n V sin aliga a daga paga ang ang ang ang ang ang ang ang ang	รุง พิศักรรที่มีรายของเขตพิศักรณ์เหมืองของสาวอย่าง การครู สิศักรรษรเป็นเพิ่มและการ เพราะเป็นไปที่มีคุณหรือสุ	nu star	13.38			an fan in service agenere afgenere e		· · · · · · · · · · · · · · · · · · ·
	การสุดชาวการ - 11 เป็นโอการสุดชาวการสารสารการการสารการการการการการการสารสารสิตชาวสารสารสิตชาวสารสารสารสารสารสา -							
	A-D	Test Statistic	6.42	ander den solen nie eine den het eine gezo		Nonnarame	tric Statistics	
	5% A-D	Critical Value	0.895				plan-Meier (KM) Meth	~
9 9 19 19 19 19 19 19 19 19 19 19 19 19	K-S	Test Statistic	0.895		- Salahan ada sala nganasa sanasa sa		Mea	
nan an ann an Anna an A	5% K-S	Critical Value	0.172	Madalah din Samalah Sala aray ara	hanna ak Kalan ana ana ang dan aray	199 1		SD 14.31
Data	not Gamma Distributed at 5% S	Significance Le	vel	*****			SE of Mea	
	anderskale i konstruktur anderskale anderskale ander ander som en som						95% KM (t) UC	
1	Assuming Gamma Distrit		1 1999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1 999 1		nakan ara san san saka ara kasika ara	Allen af set and set of a set of the set of	95% KM (z) U(1
Ga	amma ROS Statistics using Extra	polated Data		1998 - Maria Angela Angela - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999	and Weiners and a state of a second	9	5% KM (jackknife) UC	CL 6.408
	a a a a a a a a a a a a a a a a a a a	Minimum	1.0000E-9			95	% KM (bootstrap t) UC	CL 21.2
	en a sub-transmissionen en anti-transmissionen antibiotechen antibiotechen antibiotechen antibiotechen auf sub-	Maximum	81.2			Provide and the second second second as	95% KM (BCA) UC	CL 7.117
a a de la baseria de segundo de seu se se se de seu	adam para mana sa ang mang mang mang mang mang mang mang	Mean	3.711		9	5% KM (Pe	rcentile Bootstrap) UC	CL 6.45
s an	na ann an an an an ann an an an an ann an a	Median	0.044	tellende a distance and accord	en eine son auch in som demekkenen av		KM (Chebyshev) UC	1
hannan a' anna daoine dhar ar an ann an	nanan a an a sha sha dandaraha a ra a yarahan nayaraya kutan a ana ana ana wana a s	SD	14.43		******* # ·····		KM (Chebyshev) UC	
nan an	Receive a part an above on more presented and an an advantage of the second second second second second second	k star Theta star	0.0974	******		999	KM (Chebyshev) UC	L 22.37
er er er men er er er	nama a sama a sa	Nu star	38.08 11.11		t to the state of the	B		
terana ana mana mana kan	and the constraint of the constraint of the second se	AppChi2	4.646	nandhan a san an an an an an an an a	· · · · · · · · · · · · · · · · · · ·	Potential U		
•• •• •• •• •• ••	95% Gamma Appr		8.873		• • • • • • • • • • • • • • • • • • •		KM (Chebyshev) UC	L 22.37
	95% Adjusted		9.085					
Note: DL/2 is	not a recommended method.							
					·	-	• • •	
MwPb								
		• •						
			General St	tatistics			- w	
		of Valid Data	55	·•• · · · · · · · · · · ·	··· ··· ··· ··· ··· ·· ··· ·· ··· ···	Nu	mber of Detected Dat	a 33
	Number of Distinct D		25			Num	per of Non-Detect Dat	a 22
	Number of Mi	ssing Values	11				Percent Non-Detect	s 40.00%
	Raw Statistics				1.	G-transform	ed Statistics	
		um Detected	1.1			y sanatum	Minimum Detected	d 0.0953
		um Detected	99				Maximum Detected	
	Mean	of Detected	9.021				Mean of Detected	

1.1	SD of Detected		18.4	SD of Detected
	mum Non-Detect		1	Minimum Non-Detect
	num Non-Detect	······································	1	Maximum Non-Detect
	· · · · · · · · · · · · · · · · · · ·			
			(,
	· · · · · · · · · · · · · · · · · · ·		UCL Statistic	
ry 0.8	Jetected Values Onr	Lognormal Distribution Test wi	0.47	Normal Distribution Test with Detected Values On Lilliefors Test Statistic
0.0	ors Critical Value		0.931	5% Lilliefors Critical Value
0.9		Data not Lognormal at 5%	0.931	Data not Normal at 5% Significance Level
	guincance rever			
	Distribution	Assuming Lognorm	······································	Assuming Normal Distribution
	bstitution Method	DL/2		DL/2 Substitution Method
0.4	Mean	an an ann an an an ann an an an ann ann	5.613	Mean
1.3	SD		14.78	SD
7.0	-Stat (DL/2) UCL	95%	8.948	95% DL/2 (t) UCL
	Log ROS Method		N/A	Maximum Likelihood Estimate(MLE) Method
0.1	lean in Log Scale	and a straight the start of the start product of the start of the start start start start start start start star	IN/A	
0. 1.8	SD in Log Scale	nan ar ann a an achtar an a chuinn an an Ann an an Ann ann Ann ann Ann an Ann an Ann an Ann an an Ann		MLE yields a negative mean
5.5	in Original Scale			
	in Original Scale			
14				1
	le Bootetran LICI		1	
9.0	le Bootstrap UCL A Bootstrap UCL			
14 9.0 11	A Bootstrap UCL	95%		Commo Distribution Tost with Datastad Valuas O
9.(11	A Bootstrap UCL		ly 0.619	Gamma Distribution Test with Detected Values Or k star (bias corrected)
9.(11	A Bootstrap UCL	95% Data Distribution Test with		nan an
9.(11	A Bootstrap UCL	95% Data Distribution Test with	0.619	k star (bias corrected)
9.(11	A Bootstrap UCL tected Values Only e Distribution (0.05)	95% Data Distribution Test with Data do not follow a Discern	0.619 14.57 40.86	k star (bias corrected) Theta Star nu star
9.(11	A Bootstrap UCL tected Values Only e Distribution (0.05) atistics	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889	k star (bias corrected) Theta Star nu star A-D Test Statistic
9.(A Bootstrap UCL tected Values Only e Distribution (0.05)	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889 0.796	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value
9.(11 5.	A Bootstrap UCL Rected Values Only e Distribution (0.05) atistics eier (KM) Method	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889 0.796 0.796	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic
9.4 11 5. 14	A Bootstrap UCL tected Values Only e Distribution (0.05) atistics eier (KM) Method Mean	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889 0.796 0.796 0.16	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value
9.(11 5. 14 1.	A Bootstrap UCL Rected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889 0.796 0.796 0.16	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic
9.(11 5. 5. 14 1. 2	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric	0.619 14.57 40.86 3.889 0.796 0.796 0.16	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le
9.1 11 5. 14 1. 9.	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar	0.619 14.57 40.86 3.889 0.796 0.796 0.16	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution
9.(11 5. 14 1. ç 9. 9.	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95%	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le
9.0 11 5. 14 1. 9. 9. 9. 13	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL M (jackknife) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% I	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data
9.(11 5. 14 1. 5 9. 9. 13 9.	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (jackknife) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% H	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum
9.0 11 5. 14 1. 9. 9. 9. 13 9. 9. 9.	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL % KM (BCA) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% FM (Perce	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum
9.(11 5.(14 1.) 9. 9. 13 9. 9. 13 9. 14	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (jackknife) UCL (bootstrap t) UCL % KM (BCA) UCL e Bootstrap) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum
9.(11 5. 14 1. 9. 9. 9. 13 9. 9. 14 18	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL (bootstrap t) UCL KM (BCA) UCL e Bootstrap) UCL (Chebyshev) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM (Perce 95% KM	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73 2	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum Mean Median
9.(11 5. 14 1. 9. 9. 9. 13 9. 9. 14 18	A Bootstrap UCL Rected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL (bootstrap t) UCL & KM (BCA) UCL E Bootstrap) UCL Chebyshev) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM (Perce 95% KM	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73 2 14.7	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum Mean Median SD
9.(11 5. 14 1. 9. 9. 9. 13 9. 9. 14 18	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL (bootstrap t) UCL (bootstrap UCL Chebyshev) UCL Chebyshev) UCL Chebyshev) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM (Perce 95% KM	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73 2 14.7 0.158	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum Mean Median SD k star
9.0 11 5.0 14 1.9 9. 9. 9. 13 9. 9. 14 18 25	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL (bootstrap t) UCL (bootstrap UCL Chebyshev) UCL Chebyshev) UCL Chebyshev) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM 97.5% K 97.5% K 99% K	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73 2 14.7 0.158 42.58	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum Mean Median SD k star Theta star
9.(11	A Bootstrap UCL ected Values Only e Distribution (0.05) atistics eier (KM) Method Mean SD SE of Mean 95% KM (t) UCL 95% KM (z) UCL (bootstrap t) UCL (bootstrap t) UCL Chebyshev) UCL Chebyshev) UCL Chebyshev) UCL Chebyshev) UCL Chebyshev) UCL	95% Data Distribution Test with Data do not follow a Discern Nonparametric Kaplar 95% 95% F 95% KM (Perce 95% KM 97.5% K 97.5% K 99% K	0.619 14.57 40.86 3.889 0.796 0.796 0.16 vel 1.0000E-9 99 6.73 2 14.7 0.158 42.58 17.39	k star (bias corrected) Theta Star nu star A-D Test Statistic 5% A-D Critical Value K-S Test Statistic 5% K-S Critical Value Data not Gamma Distributed at 5% Significance Le Assuming Gamma Distribution Gamma ROS Statistics using Extrapolated Data Minimum Maximum Mean Median SD k star Theta star Nu star

General UCL Statistics	for Full Da	ta Sets	1
User Selected Options			
From File M:\MY DOCUMENTS\S	ITE FOLDE	R\Oil Control\Green Valley Citgo\stats2.wst	
Full Precision OFF			
Confidence Coefficient 95%			
Number of Bootstrap Operations 2000		· · · · · · · · · · · · · · · · · · ·	
na an ann ann an tha an tha ann an tha an tha an tha an tha an tha		· · · · · · · · · · · · · · · · · · ·	
namen annan an Marine ann an an ann an ann ann ann ann an ann an a		n an	
Supply CrVI		tana ana ara ara ang ang ara ara ara ara ara ara ara ara ara ar	
	···· ··•	na a an ann an an an ann an ann a an an	
<u>an an a</u>	General	Statistics	a maga ataga
Number of Valid Observations	24	Number of Distinct Observations	22
••••••••••••••••••••••••••••••••••••••		les and a second s	••••••••
Raw Statistics		Log-transformed Statistics	an a shara a shara a shara a shara a
Minimum	0.02	Minimum of Log Data	-3.912
Maximum	4.68	Maximum of Log Data	1.543
Mean	0.829	Mean of log Data	-1.4
Median	0.222	SD of log Data	1.755
SD	1.228		
Coefficient of Variation	1.482		
Skewness	1.876		
range gårnaler eksekkunnen er dende er och den der nadt en sy runn mark minne some beförligtade et af and er døkket et døk	1		••••••••••••••••••••••
	Relevant U	CL Statistics	···· \
Normal Distribution Test		Lognormal Distribution Test	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Shapiro Wilk Test Statistic	0.694	Shapiro Wilk Test Statistic	0.936
Shapiro Wilk Critical Value	0.916	Shapiro Wilk Critical Value	0.916
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Leve	
Assuming Normal Distribution	 Construction of the second s Second second seco	Assuming Lognormal Distribution	
95% Student's-t UCL	1.258	95% H-UCL	4.319
95% UCLs (Adjusted for Skewness)	1	95% Chebyshev (MVUE) UCL	2.966
95% Adjusted-CLT UCL	1.344	97.5% Chebyshev (MVUE) UCL	3.818
95% Modified-t UCL	1.274	99% Chebyshev (MVUE) UCL	5.49
annan feinain an ann an - a ann feir reis anns ann a starainn an Anna anns annan ann ann ann ann ann annan ann	k	n en anna an an anna an an an anna an anna an an	her digenes her einer schlande au
Gamma Distribution Test		Data Distribution	
k star (bias corrected)	0.483	Data appear Gamma Distributed at 5% Significance	Levei
Theta Star	1.715		
nu star	23.2		
Approximate Chi Square Value (.05)	13.24	Nonparametric Statistics	
Adjusted Level of Significance	0.0392	95% CLT UCL	1.241
Adjusted Chi Square Value	12.71	95% Jackknife UCL	1.258
		95% Standard Bootstrap UCL	1.233
Anderson-Darling Test Statistic	0.764	95% Bootstrap-t UCL	1.45
Anderson-Darling 5% Critical Value	0.804	95% Hall's Bootstrap UCL	1.332
Kolmogorov-Smirnov Test Statistic	0.168	95% Percentile Bootstrap UCL	1.263
Kolmogorov-Smirnov 5% Critical Value	0.188	95% BCA Bootstrap UCL	1.321
Data appear Gamma Distributed at 5% Significance	Level	95% Chebyshev(Mean, Sd) UCL	1.922
		97.5% Chebyshev(Mean, Sd) UCL	2.394
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	3.323
95% Approximate Gamma UCL	1.452		
95% Adjusted Gamma UCL	1.512		

1			1		
	Potential UCL to Use			Use 95% Approximate Gamma UCL	1.452
	and the second	• •	· · · · ·		••••••••••••••••••••••••••••••••••••••
anton a composition of the second				والمراجع وال	
Supply Pb	and the second			 A second sec	1° 10 -
			t title and an agent	a a second and a second and and a second second a second second second second second second second second second	
ang against ann an 1977 an 1979.	an a		General S	itatistics	
• · · · · · · · · · · · · · · · · · · ·	Number of Valid (Observations	24	Number of Distinct Observations	15
nen grupper i ga o jegensk af fikker i sjoer fik			L		IJ
nan an	Raw Statistics			Log-transformed Statistics	
a na ana ang ang ang ang ang ang ang ang		Minimum	1	Minimum of Log Data	0
	en de la companya de	Maximum	38	Maximum of Log Data	3.638
	a companya ana ana ana ana ana ana ana ana ana	Mean	6.192	Mean of log Data	1.03
······································		Median	1.9	SD of log Data	1.189
ан олин на алектраласка с с суружение Прима на странение	an a	SD	9.756		1.103
	Coefficien	t of Variation	1.576	No. 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	
	te and a state of the spectrum of the property states of the state of the spectrum of the spec	Skewness	2.488		
New York (according to be addressed and the second second second second second second second second second seco	anan sena a anan ana any anana amin'ny farita amin'ny farita ana amin'ny farita dia mampina dia mampina dia ma				W.L
maneniskas alaks, rankans, alaksof is sista a	nn an ad allan an a dhathan allan an alla illiocha anna dhathan an ad an an ad an an ad allan an ad a daga	E	lelevant UC	I Statistice	
	Normal Distribution Te			Lognormal Distribution Test	
	Shapiro Wilk		0.587	Shapiro Wilk Test Statistic	0.819
	Shapiro Wilk (0.916	Shapiro Wilk Critical Value	
Da	ta not Normal at 5% Signific			Data not Lognormal at 5% Significance Level	0.916
					6
	Assuming Normal Distrib	ution		Assuming Lognormal Distribution	
1	······································	dent's-t UCL	9.605	95% H-UCL	11.28
	95% UCLs (Adjusted for Sk			95% Chebyshev (MVUE) UCL	12.15
lan dalah di manalah karan bara wana ya yang dalah di maran karan da sa		ed-CLT UCL	10.55	97.5% Chebyshev (MVUE) UCL	15.06
	-	dified-t UCL	9.773	99% Chebyshev (MVUE) UCL	20.77
	n barr fan en út site sin stærstat stærste stærste se annære en den a n de se se se stærstærste fan bestærstære				20.77
	Gamma Distribution Te	st	- 1 Milet de Miller et de Schwarter et	Data Distribution	
	k star (bia	as corrected)	0.688	Data do not follow a Discemable Distribution (0.05))
	το το στολογία το πλημοπορία το το το αλογορισμού το αναλαβάλαστασα το αλλακορία στο το για το αριογρ	Theta Star	9.003		,
	ала а забила в раза свој има нимина со оридина раз видририја и Кранист, а орибијата с Клини	nu star	33.01		
 	Approximate Chi Square	e Value (.05)	20.88	Nonparametric Statistics	
	Adjusted Level of		0.0392	95% CLT UCL	9.467
nonen en de la marga ago a casa actor	Adjusted Chi S		20.2	95% Jackknife UCL	9.605
₩.4			3	95% Standard Bootstrap UCL	9.491
en e , , ,	Anderson-Darling	Test Statistic	2.13	95% Bootstrap-t UCL	13.43
	Anderson-Darling 5% (Critical Value	0.782	95% Hall's Bootstrap UCL	10.91
	Kolmogorov-Smirnov		0.247	95% Percentile Bootstrap UCL	9.504
	Kolmogorov-Smirnov 5% (0.185	95% BCA Bootstrap UCL	10.89
Data not	Gamma Distributed at 5% Si			95% Chebyshev(Mean, Sd) UCL	14.87
		-	÷	97.5% Chebyshev(Mean, Sd) UCL	18.63
	Assuming Gamma Distrib	ution		99% Chebyshev(Mean, Sd) UCL	26.01
· · ·	95% Approximate (9.791		20.01
	95% Adjusted (10.12		
	Potential UCL to Use			Use 99% Chebyshev (Mean, Sd) UCL	26.01

Histograms and Box Plots Water Data























