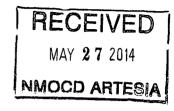




May 08, 2014 SHELDON HITCHCOCK TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210



RE: WERSELL FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/30/14 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at <u>www.tceq.texas.gov/field/ga/lab_accred_certif.html</u>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-1 0' (H401313-01)

BTEX 8260B	mg,	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	` 117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	ND					
Surrogate: Dibromofluoromethane	97.8	% 61.3-14	2						
Surrogate: Toluene-d8	106	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23200	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	98.2	% 65.2-14	0						*
Surrogate: 1-Chlorooctadecane	92.2	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-1 1' (H401313-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	05/07/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 16



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-2 0' (H401313-03)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	ND					
Surrogate: Dibromofluoromethane	94.9	% 61.3-14	2						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.7	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	05/07/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	106	% 65.2-14	0		· ••••				
Surrogate: 1-Chlorooctadecane	105	% 63.6-15							

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-2 0' (H401313-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	05/07/2014	ND	400	100	400	0.00	

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Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-3 0' (H401313-05)

BTEX 8260B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	106 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24400	16.0	05/07/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1 ·	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	102 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103 9	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-3 0.5' (H401313-06)

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Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19800	16.0	05/07/2014	ND	400	100	400	0.00	

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Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-4 0' (H401313-07)

BTEX 8260B	mg,	/kg	Analyze	d By: ms			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	NÐ					
Surrogate: Dibromofluoromethane	96.8	% 61.3-14	2						
Surrogate: Toluene-d8	108	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	05/07/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	98.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4						

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Page 8 of 16



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Sample ID: S-4 0.5' (H401313-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP	<u>-</u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6100	16.0	05/07/2014	ND	400	100	400	0.00	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-5 0' (H401313-09)

BTEX 8260B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	ND					
Surrogate: Dibromofluoromethane	96.6	% 61.3-14	2						
Surrogate: Toluene-d8	106 9	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP			·····		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21000	16.0	05/07/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD '	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	105 9	65.2-14	0					····-	
Surrogate: 1-Chlorooctadecane	103 9	63.6-15							

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-5 0.5' (H401313-10)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	05/07/2014	ND	400	100	400	0.00	

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Page 11 of 16



7

Analytical Results For:

TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-6 0' (H401313-11)

BTEX 8260B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2014	ND	2.31	115	2.00	7.09	
Toluene*	<0.050	0.050	05/08/2014	ND	2.34	117	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/08/2014	ND	2.25	112	2.00	7.31	
Total Xylenes*	<0.150	0.150	05/08/2014	ND	6.84	114	6.00	7.16	
Total BTEX	<0.300	0.300	05/08/2014	ND					
Surrogate: Dibromofluoromethane	97.8	% 61.3-14	2						
Surrogate: Toluene-d8	106	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	05/07/2014	ND	- 400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/07/2014	ND	160	80.1	200	7.99	
DRO >C10-C28	<10.0	10.0	05/07/2014	ND	176	88.2	200	9.93	
Surrogate: 1-Chlorooctane	111 :	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Page 12 of 16



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Analytical Results For:

TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	04/30/2014	Sampling Date:	04/29/2014
Reported:	05/08/2014	Sampling Type:	Soil
Project Name:	WERSELL FED #2	Sampling Condition:	Cool & Intact
Project Number:	701162.056.01	Sample Received By:	Jodi Henson
Project Location:	D-S4-T22S-R27E		

Sample ID: S-6 1' (H401313-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	05/07/2014	ND	400	100	400	0.00	

Sample ID: BG-1 0' (H401313-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0 ,	05/07/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference

 **
 Samples not received at proper temperature of 6°C or below.

 Insufficient time to reach temperature.
- -Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 14 of 16



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476 Company Name: Talon/LPE BILL TO ANALYSIS REQUEST Project Manager: P.O. #: Company: Talon/LPE Address: 408 W. Texas Ave. State: NM Zip: 88210 City: Artesia Attn: Fax #: 575-746-8905 Phone #: 575-746-8768 Address: Project #: 701162.056.01 Project Owner: Cimarex City: Project Name: Wersell Fed #2 State: Zip: Project Location: D-S4-T22S-R27E Phone #: Sampler Name: S. Hitchcock Fax #: PRESERV SAMPLING FOR LAB USE ONLY MATRIX ல் (G)RAB OR (C)OMP GROUNDWATER Chlorides CONTAINERS WASTEWATER BTEX Sample I.D. OTHER : ACID/BASE: ICE / COOL Lab J.D. OIL TPH OTHER : Soll H401313 DATE TIME 4/24/14/10:37 5-10 6 2 10:42 3 10:45 6 - 2. 10:50 U 6 G 1 10:52 G 10 54 6 0,5 Ģ 10:55 G 0:58 0 7 G 1:00 \cap 10 G 50,5 0

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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393,232

Page 15 of 16



Page 16 of 16



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-247	6																						
Company Name	· Talon/LPE				_		UUU UUU		B	ILL TO		ANALYSIS REQUEST												
Project Manage							P	P.O. #:												1				
Address: 408	W. Texas Ave.						c	Company: Talon/LPE																
City: Artesia State: NM zip: 88210					Ā	Attn:																		
Phone #: 575-746-8768 Fax #: 575-746-8905				A	Address:					ŀ														
Project #: 701	162.056.01 Project Owner	: C	ima	rex			c	ity:				ł												
Project Name: Wersell Fed #2				s	tate	:	Zip:				l								-					
Project Location	n: D-S4-T22S-R27E						P	hon	ne #:			1	1	l					[
Sampler Name:	S. Hitchcock					_	F	Fax #:					1	[Ì			
FOR LAB USE ONLY		<i>.</i>			MAT	RIX		PRES		SAMP	ING	-	[[[· ([[
Lab I.D. H401313	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:		DATE	TIME	ТРН	BTEX	Chlorides										
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attantes or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise Date: 9/30/1 Phone Result: C Yes No |Add'l Phone #: **Received By: Relinguished By:** O Yes D No Add'I Fax #: Fax Result: Time: **REMARKS:** ma **Received By:** Relinguished By: Date: Time: Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact (Initials) Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326