



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pGRL1005033685

1RP - 2428

XTO ENERGY, INC

2120

Leking, Geoffrey R, EMNRD

From: Leking, Geoffrey R, EMNRD
Sent: Monday, December 21, 2009 9:55 AM
To: 'Shelly_Tucker@nps.gov'
Subject: FW: XTO EMSU B #923
Attachments: FW: EMSU #923 (XTO-09-004)

From: Sergio [mailto:scontreras@sesi-nm.com]
Sent: Thursday, December 17, 2009 8:00 AM
To: Leking, Geoffrey R, EMNRD
Subject: RE: XTO EMSU B #923

Good morning Geoffrey thank you for the comments below regarding the XTO EMSU-B #923. Regarding the chloride levels Isaac Kincaid with SESI retrieved a bottom hole composite sample of the excavation and transported the sample to Cardinal Labs. Attached you will find the chloride information of the bottom hole, we are still in the process of delineating the excavation and no staining will be left on the side walls.

Thanks

Sergio

From: Leking, Geoffrey R, EMNRD [mailto:GeoffreyR.Leking@state.nm.us]
Sent: Tuesday, December 08, 2009 10:47 AM
To: Sergio
Subject: RE: XTO EMSU B #923

Sergio

A few comments on the EMSU-B #923 Work Plan:

- 1) There is no side wall data. Of special concern is the discolored and odorous layer of soil at approximately 4 feet below ground surface. It is approximately 2 to 3 feet thick. *FURTHER SIDE WALL TO BE COMPLETED NO STAIN ON WALLS TO BE LEFT*
- 2) There is no chloride data. *- COMPOSITE FROM BOTTOM DISPLAYS < 16.0 @ 8.0' AS WELL AS A BHSAMPLE @ 22'*
- 3) At least one monitoring well should be installed. It could be drilled in the bottom of the excavation at the hottest spot using telescoping methods in order to not spread contamination vertically. The ground water should then be sampled for benzene, BTEX, TPH and chlorides. Three monitoring wells outside the excavation could be installed in order to define the direction of ground water flow and to test for the above referenced parameters, also. *NO RESPONSE ALTHOUGH LARRY HAS STARTED A CLAY LAYER EXISTS WHICH SHOULD HAVE BEEN STARTED INFILTRATION BELOW IT*
- 4) On 11/18/09, NMOCD inspected the excavation and found staining on the floor and "puddled" water. The work plan should address their presence and how they will be addressed. *DID NOT RESPOND EXCEPT FURTHER DELINEATION TO TAKE PLACE. AGAIN L. JOHNSON STARTED CLAY LAYER.*
- 5) The work plan should describe the path forward once the depth of ground water and the concentrations of the above referenced parameters are defined. *PATH FORWARD PER DEPTH TO GW COMBINED W/ CONCENTRATIONS FROM BH SAMPLES, NO RESPONSE.*

I look forward to your response to the above comments. Thank you.

*WATER @ 35' IN 1953 19.205.37E
EMSU-B #923 - 24.205.36E NMOCD MAP ADDRESS - 250 ESP. 37'*

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A few comments on the EMSU-B #923 Work Plan:

- 1) There is no side wall data. Of special concern is the discolored and odorous layer of soil at approximately 4 feet below ground surface. It is approximately 2 to 3 feet thick.
- 2) There is no chloride data.
- 3) At least one monitoring well should be installed. It could be drilled in the bottom of the excavation at the hottest spot using telescoping methods in order to not spread contamination vertically. The ground water should then be sampled for benzene, BTEX, TPH and chlorides. Three monitoring wells outside the excavation could be installed in order to define the direction of ground water flow and to test for the above referenced parameters, also.
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- 5) The work plan should describe the path forward once the depth of ground water and the concentrations of the above referenced parameters are defined.

I look forward to your response to the above comments. Thank you.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs

From: Sergio [mailto:scontreras@sesi-nm.com]
Sent: Friday, October 30, 2009 11:41 AM
To: Leking, Geoffrey R, EMNRD
Subject: FW: XTO EMSU B #923

Geoffrey

Here is the information from the EMSU B #923, when you open the site maps you might have to go to view and then print layout to get a better view. If you have any questions or concerns please contact me.

Sergio Contreras
Operations Manager
575-631-7444

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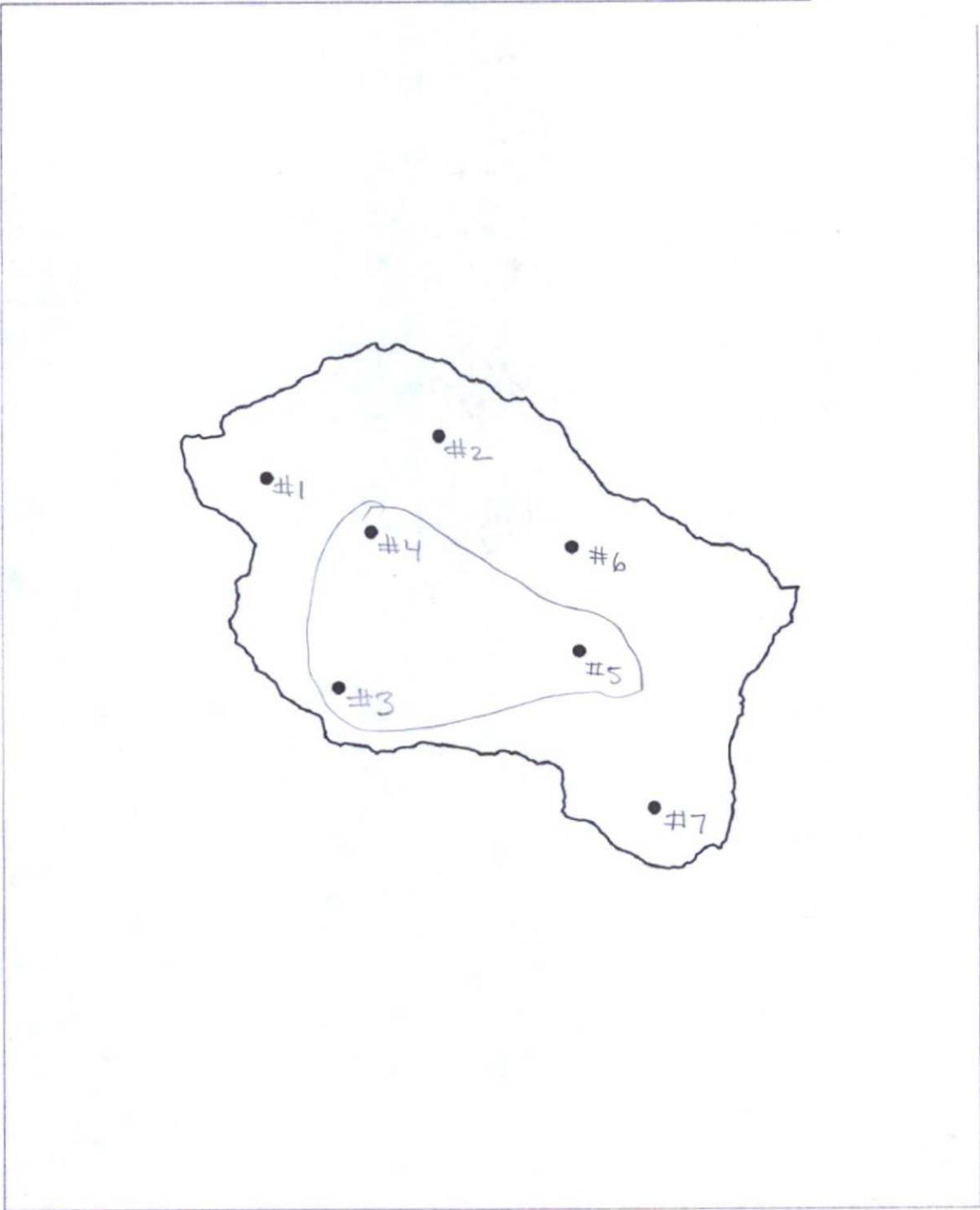
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XTO-09-004
 Cardinal Laboratories Results
 October 13, 2009

Sample Point	GRO mg/kg	DRO mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg
TT#1 8'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
TT #2 9'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
TT #3 10'	11.6	440	<0.050	<0.050	<0.050	0.368
TT #3 14'	11.6	545	0.060	0.145	0.283	0.946
TT #3 18'	459	1,890	<0.050	0.249	<0.050	2.94
TT #4 11'	1,120	2,620	0.763	0.878	1.94	6.21
TT #4 15'	971	1,690	0.439	0.876	1.61	4.95
TT #5 10'	30.0	720	<0.050	0.137	<0.050	1.39
TT #5 15'	109	2,200	<0.050	<0.050	<0.050	0.936
TT #5 18'	41.8	1,160	<0.050	<0.050	<0.050	0.491
TT #6 10'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
TT #6 12'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
TT #7 9'	<10.0	25.8	<0.050	<0.050	<0.050	<0.300
TT #7 12'	77.4	1,260	<0.050	<0.050	<0.050	1.02
TT #7 15'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300

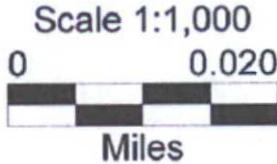
EPA method:
 TPH GRO & DRO (EPA SW-846 8015)
 BTEX (EPA SW-846 8021B)

TPH 100 ppm
 B 10
 BTEX 50
 CI 250

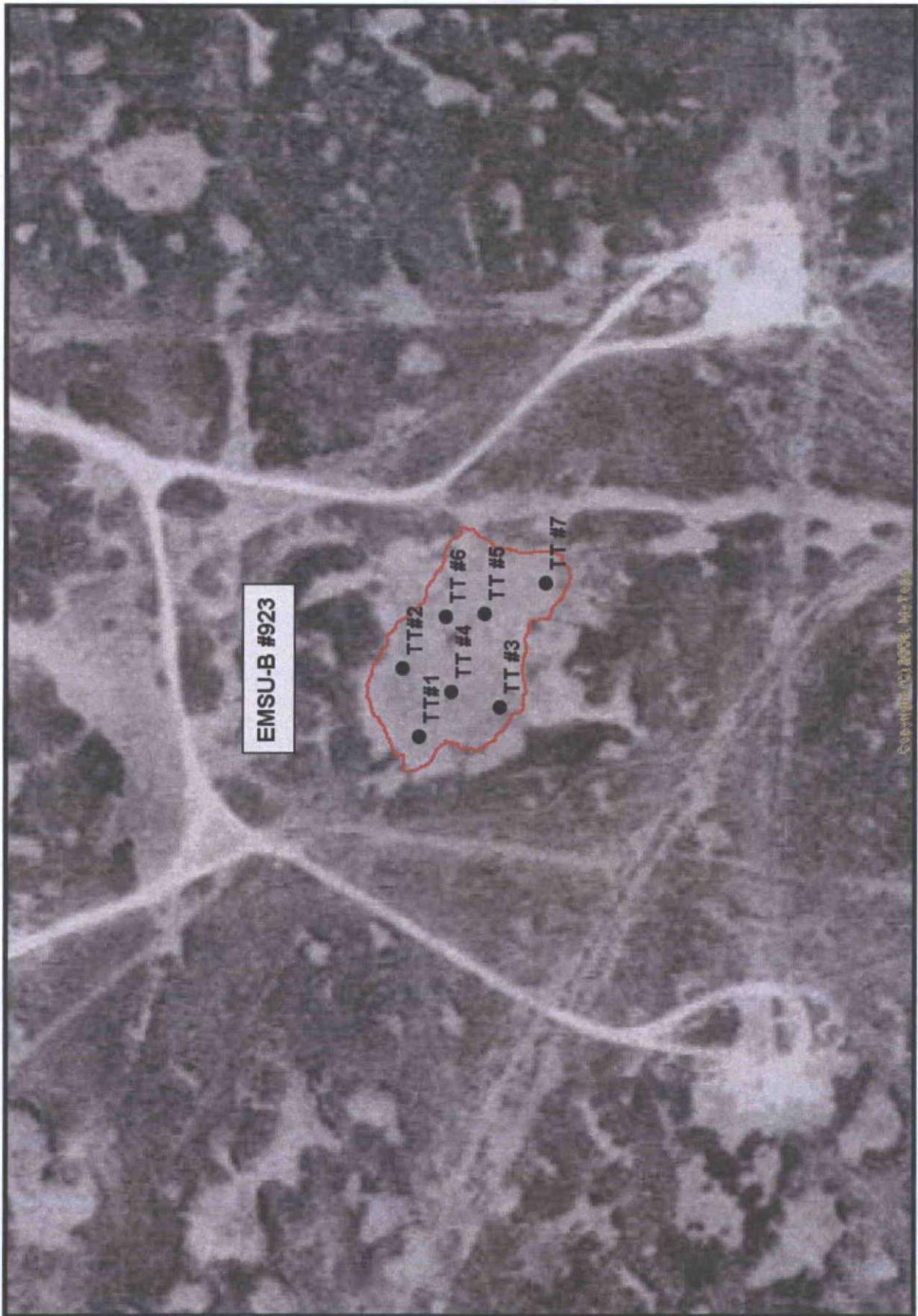


EMSU-B 923

Lat/Long
WGS 1984



site map.cor
10/19/2009
GPS Pathfinder® Office
 Trimble.



EMSU-B #923

TT #2

TT #1

TT #4

TT #6

TT #5

TT #3

TT #7



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 13, 2009

Bob Allen
Safety & Environmental Solutions, Inc.
703 East Clinton, #102
Hobbs, NM 88240

Re: XTO Energy (XTO-09-004)

Enclosed are the results of analyses for sample number H18446, received by the laboratory on 10/08/09 at 3:50 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

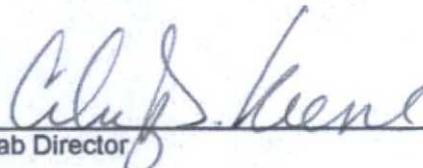
ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO: (575) 393-4388

Receiving Date: 10/08/09
Reporting Date: 10/13/09
Project Owner: XTO ENERGY (XTO-09-004)
Project Name: EMSU - B 923
Project Location: MONUMENT, NM

Sampling Date: 10/08/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 4.5°C
Sample Received By: CK
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		10/13/09	10/13/09	10/12/09	10/12/09	10/12/09	10/12/09
H18446-1	TT#1 8'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18446-2	TT#2 9'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18446-3	TT#3 10'	11.6	440	<0.050	<0.050	<0.050	0.368
H18446-4	TT#3 14'	11.6	545	0.060	0.145	0.283	0.946
H18446-5	TT#3 18'	459	1,890	<0.050	0.249	<0.050	2.94
H18446-6	TT#4 11'	1,120	2,620	0.763	0.878	1.94	6.21
H18446-7	TT#4 15'	971	1,690	0.439	0.876	1.61	4.95
H18446-8	TT#5 10'	30.0	720	<0.050	0.137	<0.050	1.39
H18446-9	TT#5 15'	109	2,200	<0.050	<0.050	<0.050	0.936
H18446-10	TT#5 18'	41.8	1,160	<0.050	<0.050	<0.050	0.491
H18446-11	TT#6 10'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18446-12	TT#6 12'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18446-13	TT#7 9'	<10.0	25.8	<0.050	<0.050	<0.050	<0.300
H18446-14	TT#7 12'	77.4	1,260	<0.050	<0.050	<0.050	1.02
H18446-15	TT#7 15'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control		440	512	0.049	0.047	0.048	0.141
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		88.0	102	98.0	94.0	96.0	94.0
Relative Percent Difference		2.9	0.6	13.3	13.5	7.7	14.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO.



Lab Director

10/13/09

Date

H18446 TPHBTEX SESI

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

BILL TO				ANALYSIS REQUEST				
Company Name: SESE				P.O. #:				
Project Manager: Bob Allen				Company:				
Address: 703 E Clinton				Attn:				
City: Hobbs				Address: Same				
State: NM Zip: 88240				City:				
Phone #: 575-393-0510				State:				
Fax #: 575-393-0509				Phone #:				
Project #: X70				Zip:				
Project Name: X70 EMSU-BY 923				Project Owner:				
Project Location: Monument, NM				Sampler Name: Isaac Kincaid				
FOR LAB USE ONLY								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME
H18446-		6	1	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE ICE / COOL OTHER:		10/15/19	0800
1	77#1 8'							
2	77#2 5'							
3	77#3 10'							
4	77#3 14'							
5	77#3 18'							
6	77#4 11'							
7	77#4 15'							
8	77#5 10'							
9	77#5 15'							
10	77#5 18'							

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Sampler Relinquished: Date: 10/18/19 Received By:

Relinquished By: Date: 1/5/20

Delivered By: (Circle One) Bus - Other:

Temp. Sample Condition: 4.5°C Intact Yes No

Checked By: (Initials)

Phone Result: No Add'l Phone #: _____
 Fax Result: No Add'l Fax #: _____

REMARKS:
 iKincaid@SESE-nm-com
 Office 2 @ SESE - NM.COM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

