MARTIN YATES, III

FRANK W. YATES

5.P YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO BB210-211B

TELEPHONE (575) 748-1471

JOHN A. YATES CHAIRMAN OF THE BOARD

JOHN A. YATES JR.

JOHN D. PERINI
EXECUTIVE V.P. OF MONETIZATION
CHIEF FINANCIAL OFFICER

JAMES S. BROWN

September 30, 2014

Mr. Mike Bratcher NMOCD District II 811 S. First St. Artesia, NM 88210

Re:

Cotton MX Federal Com #1

30-015-23315

Section 14, T19S-R25E Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated June 11, 2014.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of October 14, 2014.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle Environmental Regulatory Agent

Enclosure(s)

Yates Petroleum Corporation

Cotton MX Federal Com #1

Section 14, T19S-R25E

Eddy County, New Mexico

September 30, 2014

I. Location

The battery is located 13 miles south of Artesia on US 285, west approximately 4 miles on Rocking R Red Road, and approximately 1.25 miles north and then east on the lease road.

II. Background

On June 11, 2014, Yates submitted to the NMOCD District II office a Form C-141 for the release of 7 B/PW and 3 B/O with 6 B/PW and 2 B/O recovered. Excavation of visually impacted soils was undertaken within the release area. The total affected area was approximately 89 feet by 66 around the tanks within the battery berm and 145 feet by 32 feet down the east side of the battery berm. Initial delineation samples were taken in the release area (6/19/2014) and sent to a NMOCD approved laboratory (7/01/2014, results enclosed). Based on analytical results (7/01/2014), additional delineation samples were taken (7/11/2014) and sent to a NMOCD approved laboratory (7/18/2014, results enclosed). Based on analytical results (7/18/2014), Yates sampled area again (7/30/2014) and sent samples to a NMOCD approved laboratory (8/06/2014, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 14, T19S-R25E) that depth to groundwater is approximately 80 feet making the site ranking for this site a ten (10). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is ten (0) based on the as following:

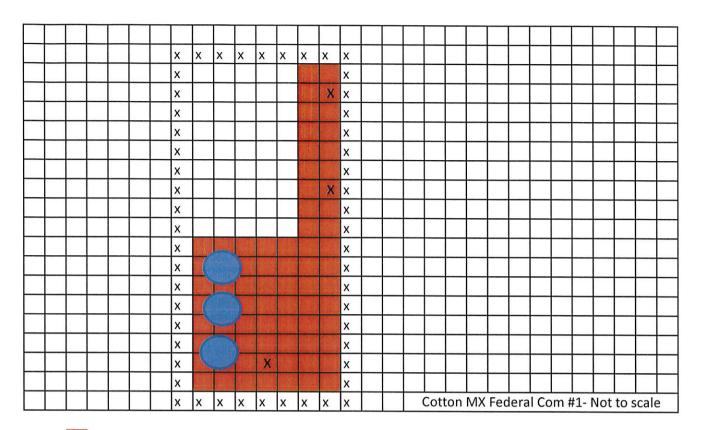
Depth to ground water 50-99'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

IV. Soils

The area consists of soils that are caliche and loamy topsoil, which are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (80'), and a decrease in chlorides, Yates Petroleum Corporation will excavate two (2) feet in the release area and haul excavated soils to a NMOCD approved facility. Yates will then install a 20 ml synthetic liner on top of a six (6) inch topsoil cushion, backfilling the remaining one and a half (1 ½) feet with caliche, providing for protection from groundwater contamination by prohibiting water percolation through the release area. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10) in the release area, no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141, Final Report will be submitted to the NMOCD requesting closure of the site.



Release area

X S1 sample point

H401920	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	6/19/2014	Backhoe	1'	<0.3	<10.0	139	3640
S1-2'	Release Area	6/19/2014	Backhoe	2'	<0.3	<10.0	<10.0	3200
S1-3'	Release Area	6/19/2014	Backhoe	3'	<0.3	<10.0	<10.0	2000
S1-4'	Release Area	6/19/2014	Backhoe	4'	<0.3	<10.0	<10.0	2320
H402131	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-5'	Release Area	7/11/2014	Backhoe	5'	N/A	N/A	N/A	2000
S1-6'	Release Area	7/11/2014	Backhoe	6'	N/A	N/A	N/A	2080
S1-7'	Release Area	7/11/2014	Backhoe	7'	N/A	N/A	N/A	912
S1-8'	Release Area	7/11/2014	Backhoe	8'	N/A	N/A	N/A	2160
H402349	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-9'	Release Area	7/30/2014	Backhoe	9'	N/A	N/A	N/A	832
S1-10 ^t	Release Area	7/30/2014	Backhoe	10'	N/A	N/A	N/A	752
S1-11 [']	Release Area	7/30/2014	Backhoe	11'	N/A	N/A	N/A	736
S1-12'	Release Area	7/30/2014	Backhoe	12'	N/A	N/A	N/A	496

Site Ranking is Zero (10). 50-99' (80', Section 14, T19S-R25E, Trend Map All results are ppm. Chlorides for documentation Released: 3 B/O, 7 B/PW; Recovered: 2 B/O, 6 B/PW Release Date: 06/01/2014



July 01, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: COTTON FEDERAL SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 06/25/14 16:14.

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 www.tceq.texas.gov/field/ga/lab accredited certif.html.

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.

Celeg D. Keine

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. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

06/25/2014

Sampling Date:

06/19/2014

Reported:

07/01/2014

Soil

Project Name:

Sampling Type:

Cool & Intact

COTTON FEDERAL SWD #1 NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Number: Project Location:

NOT GIVEN

Sample ID: S1-1' (H401920-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2014	ND	1.70	84.8	2.00	8.67	
Toluene*	<0.050	0.050	06/28/2014	ND	1.77	88.5	2.00	8.91	
Ethylbenzene*	<0.050	0.050	06/28/2014	ND	1.56	78.2	2.00	8.01	
Total Xylenes*	<0.150	0.150	06/28/2014	ND	4.86	80.9	6.00	7.21	
Total BTEX	<0.300	0.300	06/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	96.7	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	06/30/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	186	92.9	200	0.812	
DRO >C10-C28	139	10.0	06/27/2014	ND	203	102	200	3.12	
Surrogate: 1-Chlorooctane	70.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.3	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & treens

Celey D. Keene, Lab Director/Quality Manager



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

06/25/2014

Reported:

07/01/2014

Project Name:

COTTON FEDERAL SWD #1

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/19/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: S1-2' (H401920-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2014	ND	1.70	84.8	2.00	8.67	
Toluene*	<0.050	0.050	06/28/2014	ND	1.77	88.5	2.00	8.91	
Ethylbenzene*	<0.050	0.050	06/28/2014	ND	1.56	78.2	2.00	8.01	
Total Xylenes*	<0.150	0.150	06/28/2014	ND	4.86	80.9	6.00	7.21	
Total BTEX	<0.300	0.300	06/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.2	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	06/30/2014	ND	416	104	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	06/27/2014	ND	186	92.9	200	0.812	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	203	102	200	3.12	
Surrogate: 1-Chlorooctane	70.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	89.0	% 63.6-15	4						

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*=Accredited Analyte

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Celey & Keene



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

06/25/2014

Reported:

07/01/2014

Project Name:

COTTON FEDERAL SWD #1

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

06/19/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: S1-3' (H401920-03)

BTEX 8021B	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2014	ND	1.70	84.8	2.00	8.67	
Toluene*	<0.050	0.050	06/28/2014	ND	1.77	88.5	2.00	8.91	
Ethylbenzene*	<0.050	0.050	06/28/2014	ND	1.56	78.2	2.00	8.01	
Total Xylenes*	<0.150	0.150	06/28/2014	ND	4.86	80.9	6.00	7.21	
Total BTEX	<0.300	0.300	06/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.8 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/30/2014	ND	416	104	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	06/27/2014	ND	186	92.9	200	0.812	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	203	102	200	3.12	
Surrogate: 1-Chlorooctane	73.0 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.8 9	63.6-15	4						

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Celey D. Keene



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

06/25/2014

Reported:

07/01/2014

Project Name:

COTTON FEDERAL SWD #1

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/19/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S1-4' (H401920-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2014	ND	1.70	84.8	2.00	8.67	
Toluene*	<0.050	0.050	06/28/2014	ND	1.77	88.5	2.00	8.91	
Ethylbenzene*	<0.050	0.050	06/28/2014	ND	1.56	78.2	2.00	8.01	
Total Xylenes*	<0.150	0.150	06/28/2014	ND	4.86	80.9	6.00	7.21	
Total BTEX	<0.300	0.300	06/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.9	% 89.4-12	6						
Chloride, SM4500CI-B	500CI-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	06/30/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2014	ND	186	92.9	200	0.812	
DRO >C10-C28	<10.0	10.0	06/27/2014	ND	203	102	200	3.12	
	69.6 % 65.2-140								
Surrogate: 1-Chlorooctane	69.6	65.2-14	0						

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Celeg & Keene



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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Celey D. Keena

Relinguished by: Relinguished by:		¥S1-4'	3 S1-3'	√ S1-2'	S1-1'	AB # (lab use only) FIELD CODE	(lab use only) ORDER #: H 40/920	Sampler Signature:		City/State/Zip: Artesia, NM 88210	Company Address: 105 South 4th Street	326	Project Manager: Chase Settle	ARDINAL LABORATORIES 101 Fast Marland, Hobbs, NM 88240
Date								N A		0	et	orporation		40
1 1 1						Beginning Depth		\						
Time			Γ			Ending Depth								
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Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sample/Client Rep. ? by Courier? UPS DI Temperature Upon Receipt:						Anions (CI, SO4, Alkalinity)	TOTAL	TCLP:	×	205750				į,
oratory Comments: pple Containers Intact? Ss Free of Headspace? els on container(s) els on container(tody seals on cooler(s) pple Hand Delivered by Sampler/Client Rep.? by Courier? UPS pperature Upon Receipt:		\bot	_	_	-	SAR / ESP / CEC		<u>\document</u>	x Standard	.50				Š
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July 18, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: COTTON FEDERAL SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 07/14/14 14:25.

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 www.tceq.texas.gov/field/qa/lab accredited certif.html.

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.

Celes D. Keine

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. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/14/2014

Reported:

07/18/2014

Project Name:

COTTON FEDERAL SWD #1

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

07/11/2014

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: S1-5' (H402131-01)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	07/15/2014	ND	400	100	400	7.69	
Sample ID: S1-6' (H4021	31-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	07/15/2014	ND	400	100	400	7.69	
Sample ID: S1-7' (H4021	31-03)								
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	07/15/2014	ND	432	108	400	0.00	
Sample ID: S1-8' (H4021	31-04)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	07/15/2014	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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August 06, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: COTTON FEDERAL SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 07/30/14 15:30.

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 www.tceq.texas.qov/field/qa/lab accredited certif.html.

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.

Celeg & Kuna

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. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/30/2014

Reported:

Chlorida SM4500CL-R

08/06/2014

Project Name:

COTTON FEDERAL SWD #1

Project Number:

Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

Sampling Type:

07/30/2014

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S 1 - 9' (H402349-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/04/2014	ND	416	104	400	3.92	
Sample ID: S 1 - 10' (H40)	2349-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	08/04/2014	ND	416	104	400	3.92	
Sample ID: S 1 - 11' (H40) Chloride, SM4500Cl-B	2349-03) mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	08/04/2014	ND	416	104	400	3.92	
Sample ID: S 1 - 12' (H40	2349-04)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/04/2014	ND	416	104	400	3.92	

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Celegy Heens



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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*** Insufficient time to reach temperature.

- Chloride by SM4500CI-B does not require samples be received at or below 6°C

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Cardinal Laboratories *=Accredited Analyte

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Celeg & Krene

Standard TAT

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