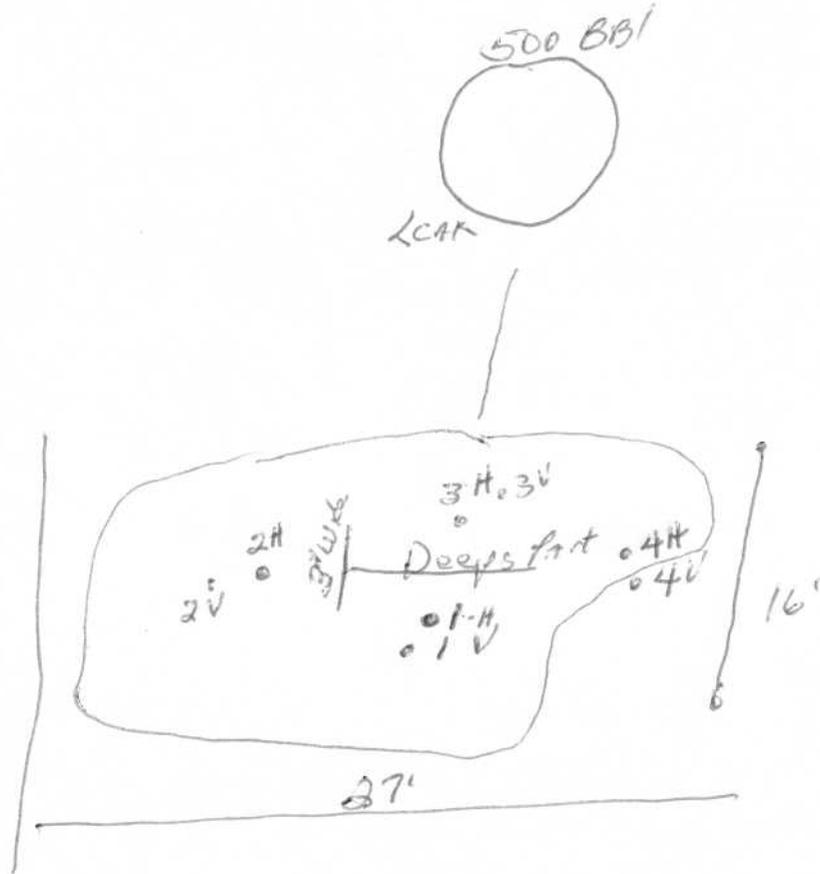


REVIEWED

By Kellie Jones at 8:37 am, Nov 23, 2015

Km Battery

INFORMATION ONLY



1. OCD and State Land Office both have visited the site and have determined further action is required. There are still areas that appear to be impacted.
2. Please note permission to backfill the site was **not** granted.
3. Please provide any pictures taken during the remediation and sampling process.
4. Please provide documentation that delineation had occurred prior to unauthorized backfill.
5. Please inform OCD when the samples were taken, i.e. before or after unauthorized backfill.

Deep part 3" deep
+ 3' wide + 12' long
1-H horizontal
1-V vertical
1-H samples 8" deep



October 23, 2015

JOHN ALEXANDER

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

RE: K M BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/20/15 15:00.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 524.4	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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #1 V (H502737-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	167	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	167	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #2 V (H502737-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	103	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	103	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 86.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.5 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #3 V (H502737-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2015	ND	1.93	96.6	2.00	1.31	
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53	
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27	
Total BTEX	<0.300	0.300	10/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/21/2015	ND	368	92.0	400	0.00	

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56	
DRO >C10-C28	356	10.0	10/21/2015	ND	210	105	200	6.00	
Total TPH C6-C28	356	10.0	10/21/2015	ND	417	104	400	5.29	

Surrogate: 1-Chlorooctane 89.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #4 V (H502737-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2015	ND	1.93	96.6	2.00	1.31	
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53	
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27	
Total BTEX	<0.300	0.300	10/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/21/2015	ND	368	92.0	400	0.00	

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56	
DRO >C10-C28	323	10.0	10/21/2015	ND	210	105	200	6.00	
Total TPH C6-C28	323	10.0	10/21/2015	ND	417	104	400	5.29	

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #1 H (H502737-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/22/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/22/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/22/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/21/2015	ND	368	92.0	400	0.00		

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56		
DRO >C10-C28	173	10.0	10/21/2015	ND	210	105	200	6.00		
Total TPH C6-C28	173	10.0	10/21/2015	ND	417	104	400	5.29		

Surrogate: 1-Chlorooctane 90.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #2 H (H502737-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2015	ND	1.93	96.6	2.00	1.31	
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53	
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27	
Total BTEX	<0.300	0.300	10/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/21/2015	ND	368	92.0	400	0.00	

TPH 8015M		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	10/21/2015	ND	207	104	200	4.56	
DRO >C10-C28	272	10.0	10/21/2015	ND	210	105	200	6.00	
Total TPH C6-C28	272	10.0	10/21/2015	ND	417	104	400	5.29	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

Received:	10/20/2015	Sampling Date:	10/20/2015
Reported:	10/23/2015	Sampling Type:	Soil
Project Name:	K M BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO, NM		

Sample ID: #3 H (H502737-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2015	ND	1.93	96.6	2.00	1.31	
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53	
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27	
Total BTEX	<0.300	0.300	10/23/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/21/2015	ND	416	104	400	0.00	

TPH 8015M		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	10/22/2015	ND	214	107	200	1.67	
DRO >C10-C28	392	10.0	10/22/2015	ND	218	109	200	0.773	
Total TPH C6-C28	392	10.0	10/22/2015	ND	432	108	400	1.22	

Surrogate: 1-Chlorooctane 87.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 JOHN ALEXANDER
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 10/20/2015
 Reported: 10/23/2015
 Project Name: K M BATTERY
 Project Number: NONE GIVEN
 Project Location: CHAVES CO, NM

 Sampling Date: 10/20/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: #4 H (H502737-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2015	ND	1.93	96.6	2.00	1.31		
Toluene*	<0.050	0.050	10/23/2015	ND	1.77	88.6	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/23/2015	ND	1.76	87.8	2.00	1.53		
Total Xylenes*	<0.150	0.150	10/23/2015	ND	5.77	96.2	6.00	2.27		
Total BTEX	<0.300	0.300	10/23/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/21/2015	ND	416	104	400	0.00		

TPH 8015M		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	10/22/2015	ND	214	107	200	1.67		
DRO >C10-C28	172	10.0	10/22/2015	ND	218	109	200	0.773		
Total TPH C6-C28	172	10.0	10/22/2015	ND	432	108	400	1.22		

Surrogate: 1-Chlorooctane 85.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.8 % 52.1-176

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*=Accredited Analyte

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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



Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Dugan Production		P.O. #:		BILL TO		ANALYSIS REQUEST					
Project Manager:		Company:									
Address: P.O. Box 420		Attn:		Date:		Time:					
City: Farmington State: NM Zip: 8		Address:		DATE		TIME					
Phone #: _____ Fax #: _____		City:		DATE		TIME					
Project #: _____ Project Owner: _____		State:		DATE		TIME					
Project Name: GM Lease Battery		Zip:		DATE		TIME					
Project Location: Chaves Co, NM		Phone #:		DATE		TIME					
Sampler Name: _____		Fax #:		DATE		TIME					
FOR LAB USE ONLY				DATE		TIME					
Lab I.D. _____		Sample I.D. _____		DATE		TIME					
H502131		# 1V		DATE		TIME					
1		# 2V		DATE		TIME					
2		# 3V		DATE		TIME					
3		# 4V		DATE		TIME					
4		# 1H		DATE		TIME					
5		# 2H		DATE		TIME					
6		# 3H		DATE		TIME					
7		# 4H		DATE		TIME					
8				DATE		TIME					

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 the client for the 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 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 other persons 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.

Relinquished By: _____ Received By: _____
 Date: _____ Date: _____
 Time: _____ Time: _____

Delivered By: (Circle One) UPS Bus Other: _____
 5.20

Sample Condition: Cool Intact
 Yes No Yes No

CHECKED BY: _____

REMARKS: _____
 icmekay@hotmail.com
 johndalexander@duganproduction.com