

804 Grand Ave.
Platteville, CO 80651



Tel: 970.785.5000
After Hours: 303.939.8585
Fax: 970.785.5099
www.nobleenergyinc.com

North America Division

April 20, 2009

Mr. Robert Chesson
Department Of Natural Resources
Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver CO 80203-2136

RE: Remediation Summary Report
Chestnut G 22-6
API 05-123-17715
Sec. 22, T4N R65W
Weld County, Colorado

Dear Mr. Chesson:

Please find attached the remediation summary report for the above referenced site. This report details Phase I (source removal) of the remediation program conducted at the site.

Due to agricultural activities in the area, Noble Energy, Inc. will have to postpone Phase II of the remediation program until the current farming season is completed. An additional report will be submitted following initiation of Phase II of the remediation program, expected in late 2009. Please contact the NEI environmental department at (970) 785-5000 if you have any questions or require additional information.

Sincerely,

Mikel Cox
Environmental Coordinator

Marty Faraguna
Environmental Specialist

Attachments

**EXCAVATION SUMMARY REPORT
CHESTNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO**

APRIL 2009

Prepared for:

**NOBLE ENERGY, INC.
Platteville, Colorado**



**EXCAVATION SUMMARY REPORT
CHESTNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO**

APRIL 2009

Prepared for:

**NOBLE ENERGY, INC.
804 Grand Avenue
Platteville, Colorado 80651**

Prepared by:

**LT ENVIRONMENTAL, INC.
4600 West 60th Avenue
Arvada, Colorado 80003
(303) 433-9788**



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EXECUTIVE SUMMARY

This report was prepared by LT Environmental, Inc. (LTE), on behalf of Noble Energy, Inc. (Noble), to document remediation activities at the Chestnut G 22-6 Tank Battery (Site).

The Site is located in the southwest quarter of the northwest quarter of Section 22, Township 4 North, Range 65 West of the Sixth Principal Meridian (Figure 1). The Site is on a vacant lot, approximately 2,500 feet southeast of the intersection between Weld County Road (WCR) 44 and WCR 43 Weld County, Colorado (Figure 2). Site assessment activities conducted by LTE personnel were summarized in a report titled, *Environmental Site Assessment Results*, dated April 15, 2009.

The scope of work for this project included the excavation/removal of hydrocarbon impacted soils and groundwater from a previously documented release, confirmation soil sampling and analysis, groundwater amendment application, documentation, and health and safety monitoring. Current use of the Site includes oil and gas production surrounded by agricultural land.

On December 3, 2008, Noble contractors began excavating impacted soil at the Site. Noble and LTE personnel were onsite for field observation, documentation, and oversight activities including collecting soil samples, directing soil and groundwater removal from the excavated area, and application of a groundwater amendment. Impacted soils were hauled off to the Noble Land Treatment Facility in Weld County, Colorado. The excavation was backfilled with clean fill from Varra Companies, Inc. of Greeley, Colorado and the Noble Land Treatment Facility. A total volume of approximately 2,190 cubic yards of impacted soil were excavated and removed during this project. A total volume of 180 barrels (7,560 gallons) of impacted groundwater were removed from the excavation and transported to the Conquest Disposal Facility located in Weld County, Colorado. Following completion of source removal activities, an activated carbon remediation amendment was installed in the base of the excavation to mitigate any residual hydrocarbons.

Initial site excavation activities conducted in December 2008 only removed the source area impact. LTE personnel returned to the Site in January 2009 and February 2009 to conduct a site assessment to fully delineate impact to soils and groundwater. The *Environmental Site Assessment Results*, dated April 15, 2009, will be submitted under separate cover. The excavation activities described in this report are the first phase of site remediation. LTE will consult with Noble on additional soil and groundwater remediation following review of the site assessment results.

SECTION 1.0

INTRODUCTION

This report was prepared by LT Environmental, Inc. (LTE) for Noble Energy, Inc. (Noble) to document excavation activities at the Chestnut G 22-6 Tank Battery (Site) (Figure 1). The purpose of this project was to remove hydrocarbon impacted soils and groundwater from the Site.

1.1 SITE DESCRIPTION

The Site is located in the southeast quarter of the northwest quarter of Section 22, Township 4 North, Range 65 West of the 6th principal meridian (Figure 1). The Site is approximately 2,500 feet southeast of the intersection between Weld County Road (WCR) 44 and WCR 43 Weld County, Colorado (Figure 1).

The Site geology was predominantly observed as clayey, fine to medium grained sand that extended from the ground surface to depths ranging from approximately 4 feet to 6 feet below ground surface (bgs). Beneath the clayey sand, a clayey/silty, fine to coarse grained sand with gravels and interbedded sandy clays was observed from approximately 6 feet to 18 feet bgs. Bedrock composed of claystone and sandstone was observed from 18 feet to a total depth of 30 feet bgs. Depth to groundwater at the Site ranged between 16 feet and 18 feet bgs.

The Site is located at an elevation of approximately 4,756 feet above mean sea level in an area where topography gently slopes to the east. Surface topography in the area is modified for agricultural purposes. The Site is immediately surrounded by irrigation ponds to the south and west, and agricultural fields to the east and north.

1.2 SCOPE OF WORK

The scope of work for this remediation project included the removal of impacted soils and groundwater. Impacted soils were hauled offsite to the Noble Land Treatment Facility and replaced with clean fill from Varra Companies, Inc. (Varra) of Greeley, Colorado and the Noble Land Treatment Facility. Impacted groundwater was transported to Conquest Disposal (Conquest) located in Weld County, Colorado. A groundwater amendment (activated carbon remediation mixture) was installed in the base of the excavation to reduce the potential for groundwater impact resulting from residual hydrocarbons.

During onsite activities Noble and LTE personnel conducted field screening of soils, soil sampling, oversight of the excavation, health and safety monitoring, installation of the groundwater amendment, and documentation of onsite activities.

A summary of field activities, analytical results from soil sampling activities, and conclusions is presented in the subsequent sections.

SECTION 2.0

SUMMARY OF FIELD ACTIVITIES

2.1 EXCAVATION ACTIVITIES

Impacted Soil Removal

During the period of December 3, 2008 through December 12, 2008, Noble contractors removed impacted soils and groundwater, and installed the groundwater amendment at the Site.

LTE personnel conducted field screening of organic vapor concentrations using a photoionization detector (PID) and collected confirmation soil samples to document excavation activities. Photographs of excavation activities are included as Appendix A.

The final dimensions of the excavation were approximately 84 feet long by 70 feet wide, and the total depth of the excavation was between 10 feet and 18 feet bgs. A total volume of approximately 2,190 cubic yards of impacted soil were excavated and transported offsite to the Noble Land Treatment Facility located in Weld County.

Soil samples were collected from the smear zone along the walls of the excavation. A limited number of excavation floor samples were collected in areas where the excavation bottom was above the static groundwater level. Soil samples were not collected from the remaining areas of the excavation due to the shallow water table. The base of the excavation in these areas was approximately 2 feet below the static water level elevation. Future groundwater monitoring will be conducted to determine if residual groundwater impact exists.

A group of five soil samples (S10, S41, S42, S44, and S46) were collected to the north and east of the excavation by a backhoe. Heavy equipment excavated to the depth of the smear zone so a soil sample could be collected to characterize soils downgradient of the source area. The excavated soil sample locations are presented on Figure 2.

All samples were field-screened for organic vapor concentrations with a PID to determine if additional excavation was required. Once PID measurements indicated that impacted soil had been removed, a confirmation sample was collected for submittal to an analytical laboratory.

A total of 46 samples were collected from the excavation. The soil samples collected were sent to Origins Laboratory, Inc. (Origins) of Denver, Colorado for analysis of total volatile hydrocarbons - gasoline range organics (TVH-GRO) using Environmental Protection Agency (EPA) Modified Method 8015M.

Figure 2 presents the TVH-GRO concentrations for perimeter soil samples, as well as the excavation extent and the location of the remaining soil samples collected from the excavation.

Following the completion of excavation activities, the excavation was backfilled with clean fill provided by Varra and the Noble Land Treatment Facility.

Impacted Groundwater Removal

During excavation activities, 180 barrels (7,560 gallons) of groundwater were removed from the excavation. Groundwater was removed by a Northern Plains Transport truck, with final disposal at Conquest.

2.2 GROUNDWATER AMENDMENT APPLICATION

Groundwater was observed at the Site at approximately 16 feet to 18 feet bgs. To reduce the potential for any further groundwater impact resulting from residual hydrocarbons, a groundwater amendment was applied to the base of the excavation, which ranged from 10 feet to 18 feet bgs. Approximately 500 pounds of the groundwater amendment were applied to the base of the excavation.

The groundwater amendment, consisting of a petroleum hydrocarbon remediation mixture, was used throughout the excavation. The remediation amendment consists of activated carbon inoculated with electron acceptors (nitrate and sulfate) and nutrients (phosphorus and nitrogen) designed to biodegrade petroleum hydrocarbons.

SECTION 3.0

ANALYTICAL RESULTS

Soil samples were collected in order to define the extent of impact above the Colorado Oil and Gas Conservation Commission (COGCC) standard. Confirmation soil samples were collected from the smear zone along the walls of the excavation. Soil sample locations are illustrated on Figure 2.

Analytical results indicate TVH-GRO was detected above the COGCC standard of 1,000 milligrams per kilogram (mg/kg) for soil samples S2, S3, S6, S7, S15, S23, S28, S30 through S32, S39, S41, and S-46, with concentrations ranging from 1,050.3 mg/kg to 10,068 mg/kg. Locations where analytical results indicated soil was out of compliance were over-excavated until subsequent soil sample analytical results confirmed soil in compliance with the COGCC standard.

Analytical results from soil samples collected along the final perimeter of the excavation were all in compliance with the COGCC standard for TVH-GRO. Soil analytical results are summarized in Table 1. Perimeter soil sample analytical results are presented on Figure 2. Copies of the laboratory analytical reports are included as Appendix B.

SECTION 4.0

SUMMARY AND CONCLUSIONS

Remediation at this Site is being conducted in a two phased approach. Phase I includes remediation of the hydrocarbon impacted soils and groundwater in the source area. Remediation of downgradient soil and groundwater impacts will be completed during the second phase, in a manner to be determined by Noble and LTE. The work described in this report includes completion of Phase I of the remediation program.

From December 3, 2008 through December 19, 2008, Noble contractors excavated and removed approximately 2,190 cubic yards of impacted soil and 180 barrels (7,560 gallons) of impacted groundwater during the excavation activities at the Site.

During excavation activities, evidence of impact to the subsurface was observed ranging in depth from 4 feet to 18 feet bgs. LTE conducted field-screening of organic vapor concentrations and collection of soil confirmation samples for laboratory analysis from the excavated areas.

Impacted soils were excavated and transported offsite to the Noble Land Treatment Facility. Clean fill material was brought from Varra and the Noble Land Treatment Facility for use as backfill in the excavation. Impacted groundwater was transported by Northern Plains Transport for final disposal at Conquest.

LTE collected confirmation soil samples following completion of the soil excavation activities. Analytical results from soil samples collected along the final perimeter of the excavation indicated that the petroleum impacted soils had been removed to below the COGCC standard.

To prevent future impact to groundwater from residual hydrocarbons in the excavation, 500 pounds of a hydrocarbon degrading amendment were applied to the base of the excavation.

TABLE



TABLE 1
SOIL ANALYTICAL RESULTS
CHESTNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

Sample ID	Date	TVH-GRO (mg/kg)
S1 (10')	12/3/2008	940
S2 (10')	12/3/2008	9,940
S3 (10')	12/3/2008	11,100
S4 (10')	12/3/2008	75.3
S5 (10')	12/3/2008	891
S6 (10')	12/3/2008	5,330
S7 (10')	12/3/2008	1,770
S8 (10')	12/3/2008	231
S9 (10')	12/3/2008	80.2
S10 (8')	12/8/2008	53.7
S11 (18')	12/8/2008	<50
S12 (18')	12/8/2008	<50
S13 (18')	12/8/2008	<50
S14 (16')	12/8/2008	70.6
S15 (17')	12/8/2008	1,640
S16 (6')	12/10/2008	<50
S17 (15')	12/10/2008	165.0
S18 (14')	12/10/2008	57.6
S19 (14')	12/10/2008	<50
S20 (14')	12/10/2008	125.8
S21 (11')	12/10/2008	177.8
S22 (9')	12/10/2008	<50
S23 (10')	12/10/2008	3,527.2
S24 (10')	12/10/2008	<50
S25 (13')	12/11/2008	183.3
S26 (13')	12/11/2008	215.1
S27 (13')	12/11/2008	234.5
S28 (13')	12/11/2008	2,207.9
S29 (8')	12/11/2008	163.6
S30 (10')	12/11/2008	1,904.8
S31 (9')	12/11/2008	4,315.2
S32 (15')	12/11/2008	10,068
S33 (16')	12/11/2008	<50
S34 (16')	12/11/2008	652.9
S35 (16')	12/11/2008	97.0
S36 (18')	12/11/2008	<50
S37 (17')	12/12/2008	<50
S38 (17')	12/12/2008	<50
S39 (16')	12/12/2008	6,350



TABLE 1 (continued)
SOIL ANALYTICAL RESULTS
CHESTNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

Sample ID	Date	TVH-GRO (mg/kg)
S40 (C)	12/19/2008	78.2
S41 (C)	12/19/2008	1,050.3
S42 (C)	12/19/2008	102.6
S43 (C)	12/19/2008	901.3
S44 (C)	12/19/2008	532.5
S45 (C)	12/19/2008	514.6
S46 (C)	12/19/2008	1,268.8
COGCC Sensitive Area Standard*		1,000

Notes:

mg/kg - milligrams per kilogram

< indicates result is less than the stated laboratory method detection limit

TVH-GRO - Total Volatile Hydrocarbons - Gasoline Range Organics

TVH-GRO by EPA Method 8015M

COGCC - Colorado Oil and Gas Conservation Commission

Sample results presented in **bold** indicate a result exceeding the

COGCC Sensitive Area Standard

*Applies to contaminated subsurface soil >2 feet below ground surface

(bgs) and where the distance to groundwater is less than 20 feet bgs

C - composite sample



FIGURES



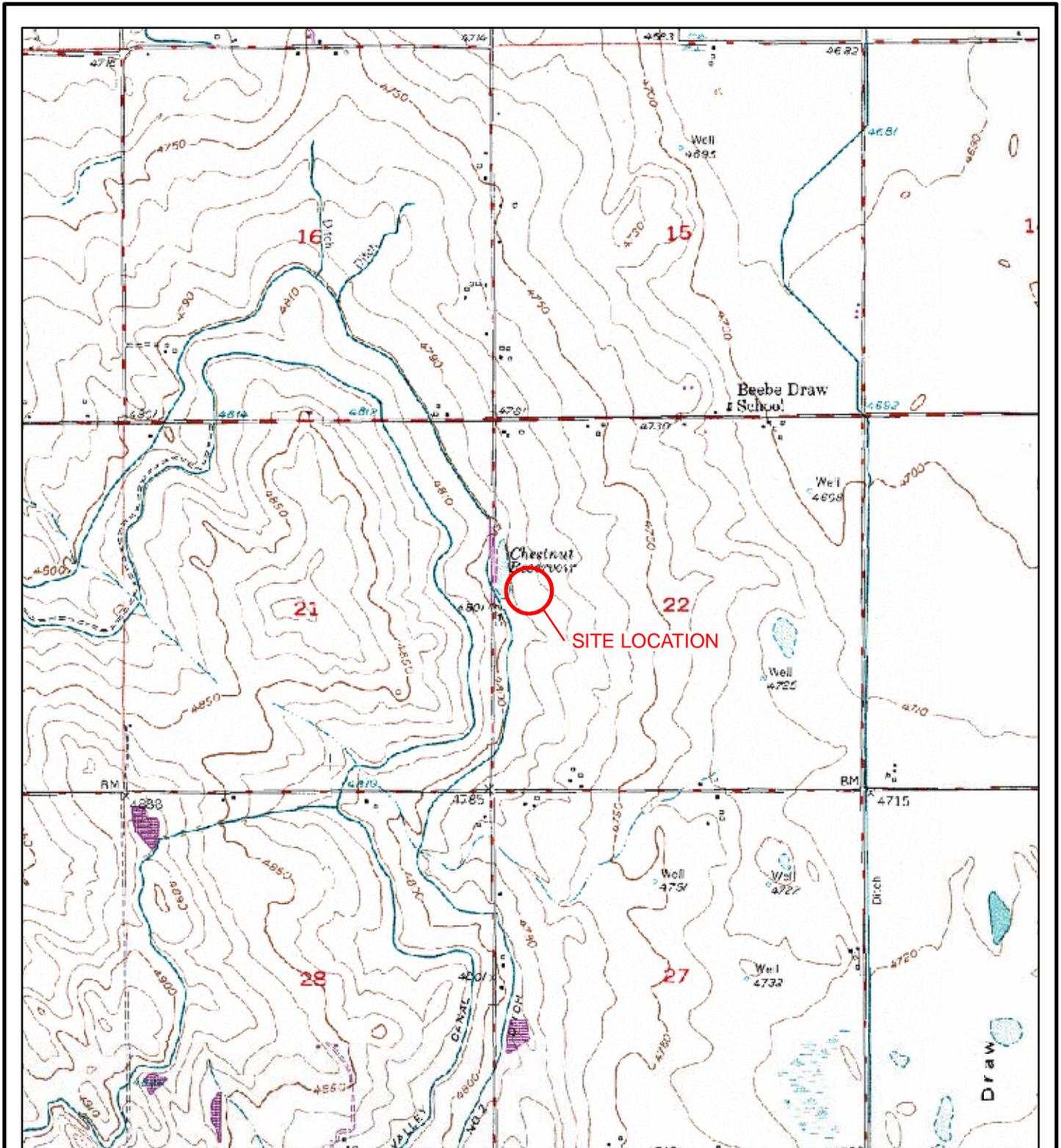
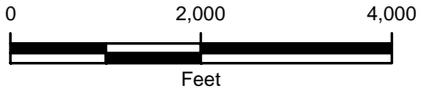


IMAGE COURTESY OF USDA/NRCS, VARIOUS DATES

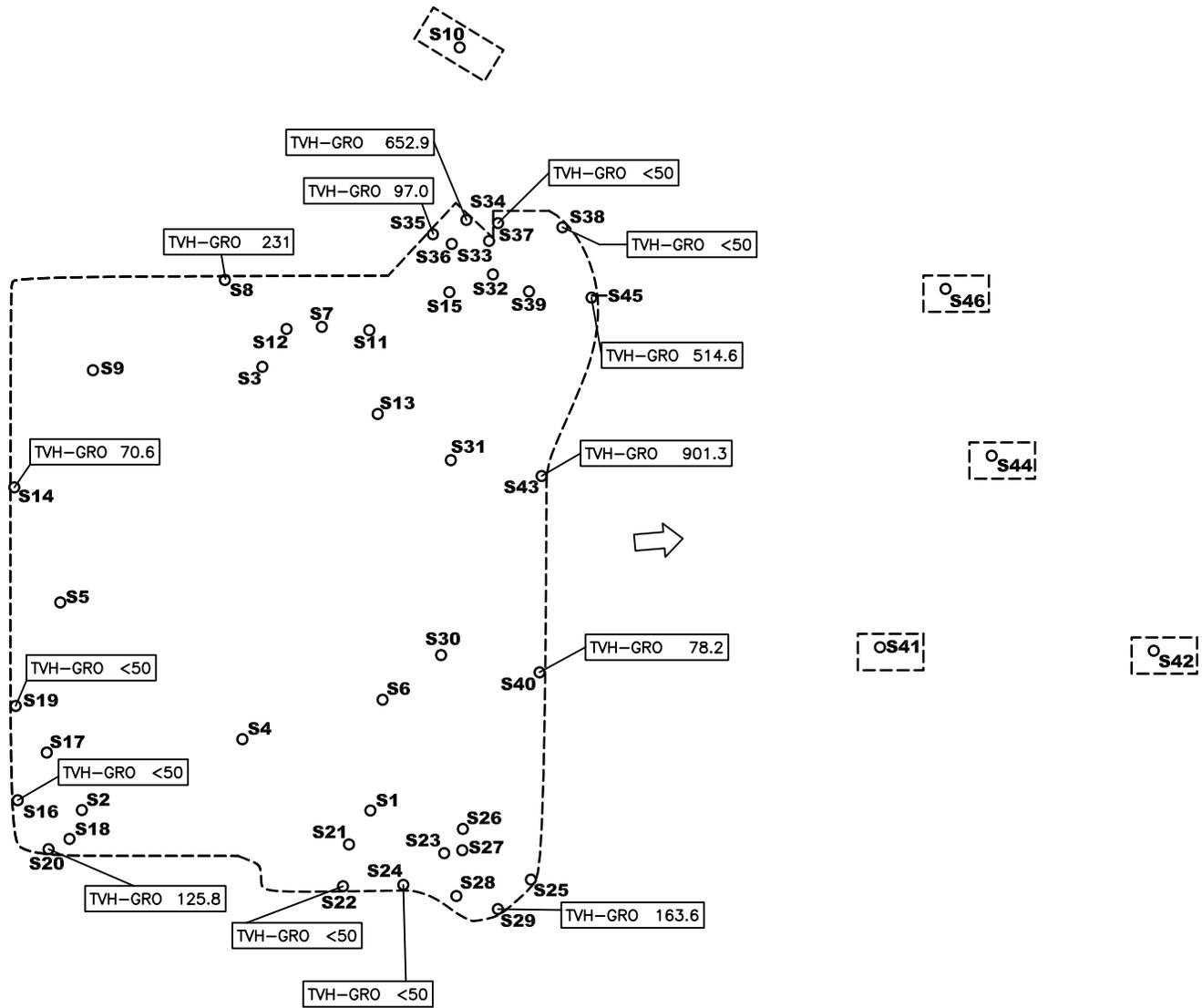


LEGEND

 SITE LOCATION

**FIGURE 1
SITE LOCATION MAP
CHESTNUT G 22-6
WELD COUNTY, CO
NOBLE ENERGY, INC**





LEGEND

S01 ○ SOIL SAMPLE LOCATION

----- EXTENT OF EXCAVATION

➔ ESTIMATED GROUNDWATER FLOW DIRECTION

TVH-GRO TOTAL VOLATILE HYDROCARBONS-GASOLINE RANGE ORGANICS

ANALYTICAL RESULTS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

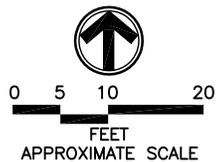


FIGURE 2
SOIL SAMPLE LOCATIONS MAP
CHESTNUT G 22-6
WELD COUNTY, CO
NOBLE ENERGY, INC.



APPENDIX A
SITE PHOTOGRAPHS



Chestnut G 22-6 Tank Battery Site Excavation



Photograph 1: Initial Site excavation. View is south.



Photograph 2: Excavation of impacted soils in northeastern corner. View is north.

Chestnut G 22-6 Tank Battery Site Excavation



Photograph 3: Installation of carbon remediation product to the base of the excavation. View is southwest.



Photograph 4: Backfilling the excavation. View is northwest.

APPENDIX B
LABORATORY ANALYTICAL REPORTS





4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

December 18, 2008

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Attached are the analytical results for Chestnut G 22-6 received by Origins Laboratory, Inc. 12/12/2008 4:48:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle", is written in a cursive style.

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S37(17')	X812043-01	Soil	12/12/2008 2:50:00PM	12/12/2008 16:48
S38(17')	X812043-02	Soil	12/12/2008 3:20:00PM	12/12/2008 16:48
S39(16')	X812043-03	Soil	12/12/2008 3:25:00PM	12/12/2008 16:48

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S37(17')

X812043-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L15002	12/13/2008	12/15/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S38(17')

X812043-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L15002	12/13/2008	12/15/2008
-------------------	----	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S39(16')
X812043-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	6350	50.0	mg/kg	1	8L15002	12/13/2008	12/15/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L15002 – Default Prep GC-Semi										
Blank (8L15002-BLK1)					Prepared: 12/13/2008 Analyzed: 12/15/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L15002-BS1)					Prepared: 12/13/2008 Analyzed: 12/15/2008					
Gasoline (C6-C10)	194	50.0	mg/kg	250		77.6	65-135			
Matrix Spike (8L15002-MS1)					Source: X812043-01 Prepared: 12/13/2008 Analyzed: 12/15/2008					
Gasoline (C6-C10)	288	50.0	mg/kg	250	ND	115	65-135			
Matrix Spike Dup (8L15002-MSD1)					Source: X812043-01 Prepared: 12/13/2008 Analyzed: 12/15/2008					
Gasoline (C6-C10)	199	50.0	mg/kg	250	ND	79.5	65-135	36.7	25	QM-07

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

December 12, 2008

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Attached are the analytical results for Chestnut G 22-6 received by Origins Laboratory, Inc. 12/11/2008 5:00:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle", is written in a cursive style.

Laboratory Manager
Noelle E Doyle

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Denver, Colorado 80211
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S 25 (13')	X812033-01	Soil	12/11/2008 12:10:00PM	12/11/2008 17:00
S 26 (13')	X812033-02	Soil	12/11/2008 12:15:00PM	12/11/2008 17:00
S 27 (13')	X812033-03	Soil	12/11/2008 12:20:00PM	12/11/2008 17:00
S 28 (13')	X812033-04	Soil	12/11/2008 12:23:00PM	12/11/2008 17:00
S 29 (8')	X812033-05	Soil	12/11/2008 12:26:00PM	12/11/2008 17:00
S 30 (10')	X812033-06	Soil	12/11/2008 2:50:00PM	12/11/2008 17:00
S 31 (9')	X812033-07	Soil	12/11/2008 2:55:00PM	12/11/2008 17:00
S 32 (15')	X812033-08	Soil	12/11/2008 3:00:00PM	12/11/2008 17:00
S 33 (16')	X812033-09	Soil	12/11/2008 3:05:00PM	12/11/2008 17:00
S 34 (16')	X812033-10	Soil	12/11/2008 3:07:00PM	12/11/2008 17:00
S 35 (16')	X812033-11	Soil	12/11/2008 3:10:00PM	12/11/2008 17:00
S 36 (18')	X812033-12	Soil	12/11/2008 3:13:00PM	12/11/2008 17:00

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-5

X812033
 page 1 of 1

originslaboratory.com
 Project Manager: BPD
 Project Name: Chestnut G 22-5
 Project Number: NEP0839
 Samples Collected by: TED

Client: LTE
 Address: 4600 W 60th Arvada
 Telephone Number: OVFILE
 E-Mail Address:



Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Soil	Groundwater	Air - Summa Canister	Other	GC-MS		Other
S 25 (13')	12/11	1210	1	X					X					
S 26 (13')		1215												
S 27 (13')		1220												
S 28 (13')		1223												
S 29 (8')		1224												
S 30 (10')		1450												
S 31 (9')		1455												
S 32 (15')		1500												
S 33 (16')		1505												
S 34 (16')		1507												
Relinquished by: <u>[Signature]</u>	Date: <u>12/10/08</u>	Time: <u>1700</u>	Number of Containers:	Unpreserved:	HCl:	HNO ₃ :	Other:	Soil:	Groundwater:	Air - Summa Canister:	Other:	GC-MS:	Other:	Sample Instructions:
Relinquished by:	Date: <u>12-11-08</u>	Time: <u>1700</u>	Number of Containers:	Unpreserved:	HCl:	HNO ₃ :	Other:	Soil:	Groundwater:	Air - Summa Canister:	Other:	GC-MS:	Other:	Sample Instructions:

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[Signature]

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

X817033
 page 2 of 2



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Client: LTE
 Address: 4600 W 60th Arvada
 Telephone Number: ONEFILE
 E-Mail Address: _____
 Project Manager: BD
 Project Name: Chestnut G 22-6
 Project Number: NEP0839
 Samples Collected by: TEP

Sample ID - Description	Date Sampled	Time Sampled	Preservative				Matrix				Analysis	Sample Instructions	
			Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air - Summa Canister #	Other			
535 (16)	12/11	1510	X										
536 (18)	12/11	1513	X										
Requisitioned by: <u>SD</u>	Date: <u>12/11/08</u>	Time: <u>1700</u>	Received by: <u>[Signature]</u>				Date: <u>12-11-08</u>	Time: <u>1700</u>	Temperature Upon Receipt: <u>2.4</u>		Turn Around Time: <input checked="" type="checkbox"/> Same Day, <input type="checkbox"/> 24-hr, <input type="checkbox"/> 48-hr, <input type="checkbox"/> 72-hr		
Relinquished by:	Date:	Time:	Relinquished by:				Date:	Time:	Standard:				

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Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

X817033
 page 2 of 2



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Client: LTE
 Address: 4600 W 60th Arvada
 Telephone Number: ONEFILE
 E-Mail Address: _____

Project Manager: BD
 Project Name: Chestnut G 22-6
 Project Number: NEP0839
 Samples Collected by: TEP

Sample ID - Description	Date Sampled	Time Sampled	Preservative				Matrix				Analysis	Sample Instructions	
			Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air - Summa Canister #	Other			
535 (16)	12/11	1510	X										
536 (18)	12/11	1513	X										
Requisitioned by: <u>SD</u>	Date: <u>12/11/08</u>	Time: <u>1700</u>	Received by: <u>[Signature]</u>				Date: <u>12-11-08</u>				Time: <u>1700</u>	Temperature Upon Receipt: <u>2.4</u>	
Relinquished by:	Date:	Time:	Relinquished by:				Date:				Time:	Turn Around Time: <input checked="" type="checkbox"/> 24-hr <input type="checkbox"/> 48-hr <input type="checkbox"/> 72-hr	

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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 25 (13')
X812033-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	183.3	50.0	mg/kg	1	8L11002	12/11/2008	12/11/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 26 (13')
X812033-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	215.1	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 27 (13')

X812033-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	234.5	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 28 (13')
X812033-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	2207.9	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 29 (8')
X812033-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	163.6	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 30 (10')
X812033-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	1904.8	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 31 (9')
X812033-07 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	4315.2	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 32 (15')
X812033-08 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	10068	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 33 (16')
X812033-09 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 34 (16')
X812033-10 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	652.9	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 35 (16')
X812033-11 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	97.0	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 36 (18')
X812033-12 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L11002	12/11/2008	12/12/2008
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Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L11002 – Default Prep GC-Semi										
Blank (8L11002-BLK1)					Prepared: 12/11/2008 Analyzed: 12/12/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L11002-BS1)					Prepared: 12/11/2008 Analyzed: 12/12/2008					
Gasoline (C6-C10)	110.4	50.0	mg/kg	125		88.3	65-135			
Matrix Spike (8L11002-MS1)					Source: X812033-12		Prepared: 12/11/2008 Analyzed: 12/12/2008			
Gasoline (C6-C10)	109.1	50.0	mg/kg	125	ND	87.3	65-135			
Matrix Spike Dup (8L11002-MSD1)					Source: X812033-12		Prepared: 12/11/2008 Analyzed: 12/12/2008			
Gasoline (C6-C10)	113.4	50.0	mg/kg	125	ND	90.7	65-135	3.90	25	

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Noelle E Doyle, Laboratory Manager

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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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Noelle E Doyle, Laboratory Manager



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December 12, 2008

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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Attached are the analytical results for Chestnut G 22-6 received by Origins Laboratory, Inc. 12/10/2008 4:11:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle", is written in a cursive style.

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S 16 (6')	X812027-01	Soil	12/10/2008 10:23:00AM	12/10/2008 16:11
S 17 (15')	X812027-02	Soil	12/10/2008 10:50:00AM	12/10/2008 16:11
S 18 (14')	X812027-03	Soil	12/10/2008 10:52:00AM	12/10/2008 16:11
S 19 (14')	X812027-04	Soil	12/10/2008 10:55:00AM	12/10/2008 16:11
S 20 (14')	X812027-05	Soil	12/10/2008 11:25:00AM	12/10/2008 16:11
S 21 (11')	X812027-06	Soil	12/10/2008 1:30:00PM	12/10/2008 16:11
S 22 (9')	X812027-07	Soil	12/10/2008 1:35:00PM	12/10/2008 16:11
S 23 (10')	X812027-08	Soil	12/10/2008 2:05:00PM	12/10/2008 16:11
S 24 (10')	X812027-09	Soil	12/10/2008 2:52:00PM	12/10/2008 16:11

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

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 page _____ of _____



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Client: LT/E
 Address: 4640 W 60th
Arvada 80003
 Telephone Number: ON FILE
 E-Mail Address: _____
 Project Manager: BDD
 Project Name: Chestnut G 22-6
 Project Number: NEP 0839
 Samples Collected by: TEJ

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Soil	Groundwater	Air - Summa Canister			Other	
S16 (6')	12/10/08	10:23	1	X				X						
S17 (15')		10:50	1					X						
S18 (14')		10:52	1					X						
S19 (14')		10:55	1					X						
S20 (14')		11:25	1					X						
S21 (11')		13:30	1					X						
S22 (9')		13:35	1					X						
S23 (10')		14:05	1					X						
S24 (10')		14:50	1					X						
Relinquished by: <u>S-8</u>	Date: <u>12/10/08</u>	Time: <u>10:11</u>	Received by: <u>[Signature]</u>			Date: <u>12/10/08</u>	Time: <u>16:11</u>	Temperature Upon Receipt: <u>3.38</u>			Turn Around Time: <u>24-hr</u>			
Relinquished by: _____	Date: _____	Time: _____	Received by: _____			Date: <u>12/10/08</u>	Time: <u>16:11</u>	Some Day: _____			48-hr: _____			

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Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 16 (6')

X812027-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Origins Laboratory, Inc.

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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 17 (15')
X812027-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	165.0	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 18 (14')
X812027-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	57.6	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 19 (14')
X812027-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 20 (14')
X812027-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	125.8	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 21 (11')
X812027-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	177.8	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 22 (9')

X812027-07 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 23 (10')
X812027-08 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	3527.2	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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Denver, Colorado 80211
303.433.1322 | Laboratory
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S 24 (10')
X812027-09 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L10002	12/10/2008	12/10/2008
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 Denver, Colorado 80211
 303.433.1322 | Laboratory
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LT Environmental, Inc.
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 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L10002 – Default Prep GC-Semi										
Blank (8L10002-BLK1)					Prepared: 12/10/2008 Analyzed: 12/11/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L10002-BS1)					Prepared: 12/10/2008 Analyzed: 12/11/2008					
Gasoline (C6-C10)	187.1	50.0	mg/kg	200		93.6	65-135			
LCS Dup (8L10002-BSD1)					Prepared: 12/10/2008 Analyzed: 12/11/2008					
Gasoline (C6-C10)	194.8	50.0	mg/kg	200		97.4	65-135	4.01	25	

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303.433.1322 | Laboratory
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager



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303.433.1322 Phone 303.265.9645 Fax

December 10, 2008

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Attached are the analytical results for Chestnut G 22-6 received by Origins Laboratory, Inc. 12/9/2008 8:15:00AM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle", is written in a cursive style.

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S10 (8')	X812023-01	Soil	12/8/2008 11:55:00AM	12/09/2008 08:15
S11 (18')	X812023-02	Soil	12/8/2008 12:26:00PM	12/09/2008 08:15
S12 (18')	X812023-03	Soil	12/8/2008 2:07:00PM	12/09/2008 08:15
S13 (18')	X812023-04	Soil	12/8/2008 2:09:00PM	12/09/2008 08:15
S14 (16')	X812023-05	Soil	12/8/2008 3:45:00PM	12/09/2008 08:15
S15 (17')	X812023-06	Soil	12/8/2008 4:20:00PM	12/09/2008 08:15

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

18120293
 page _____ of _____



originslaboratory.com

Client: LT E
 Address: 4600 W 60th
Arvada 80003
 Telephone Number: ON FILE
 E-Mail Address: _____

Project Manager: BDD
 Project Name: Chestnut G 22-6
 Project Number: NEP0839
 Samples Collected by: TED

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other -	Groundwater	Soil	Air - Summa Canister #			Other -
S10 (8')	12/8	1155	1	X					X				
S11 (18')		1226	1										
S12 (18')		1407	1										
S13 (18')		1409	1										
S14 (16')		1545	1										
S15 (17')		1620	1										
SP													
Relinquished by: <u>[Signature]</u>				Date: <u>12/9/08</u>	Time: <u>8:15</u>	Received by: <u>[Signature]</u>				Date: <u>12/9/08</u>	Time: <u>8:00</u>	Temperature Upon Receipt: <u>3.5</u>	
Relinquished by: _____				Date: _____	Time: _____	Received by: _____				Date: <u>12/9/08</u>	Time: <u>8:00</u>	Type of Time: <u>ADP</u>	

4640 North Pecos Street | Unit C | Denver, Colorado 80211 | Laboratory - 303.433.1322 | Fax - 303.265.9645

Origins Laboratory, Inc.

[Signature]

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S10 (8')
X812023-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	53.7	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S11 (18')
X812023-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S12 (18')
X812023-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S13 (18')
X812023-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Origins Laboratory, Inc.

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303.433.1322 | Laboratory
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

S14 (16')
X812023-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	70.6	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Noelle E Doyle, Laboratory Manager

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

**S15 (17')
X812023-06 (Soil)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	1640	50.0	mg/kg	1	8L09001	12/09/2008	12/09/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
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 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: Chestnut G 22-6

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L09001 – Default Prep GC-Semi										
Blank (8L09001-BLK1)					Prepared: 12/09/2008 Analyzed: 12/09/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L09001-BS1)					Prepared: 12/09/2008 Analyzed: 12/09/2008					
Gasoline (C6-C10)	209	50.0	mg/kg	200		104	65-135			
Matrix Spike (8L09001-MS1)					Source: X812021-03 Prepared: 12/09/2008 Analyzed: 12/09/2008					
Gasoline (C6-C10)	232	50.0	mg/kg	200	ND	116	65-135			
Matrix Spike Dup (8L09001-MSD1)					Source: X812021-03 Prepared: 12/09/2008 Analyzed: 12/09/2008					
Gasoline (C6-C10)	189	50.0	mg/kg	200	ND	94.7	65-135	20.1	25	

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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303.433.1322 | Laboratory
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: Chestnut G 22-6

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

December 04, 2008

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

Attached are the analytical results for NEP - Chestnut G 22-6 received by Origins Laboratory, Inc. 12/3/2008 5:40:00PM. Please let us know if you have any questions, or if we can help with anything at all.

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

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303.433.1322 | Laboratory
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

CROSS REFERENCE REPORT

Laboratory ID	Sample ID	Matrix	Sampled	Date Received
S1 (10')	X812013-01	Soil	12/3/2008 3:25:00PM	12/03/2008 17:40
S2 (10')	X812013-02	Soil	12/3/2008 3:32:00PM	12/03/2008 17:40
S3 (10')	X812013-03	Soil	12/3/2008 3:41:00PM	12/03/2008 17:40
S4 (10')	X812013-04	Soil	12/3/2008 3:43:00PM	12/03/2008 17:40
S5 (10')	X812013-05	Soil	12/3/2008 3:45:00PM	12/03/2008 17:40
S6 (10')	X812013-06	Soil	12/3/2008 3:48:00PM	12/03/2008 17:40
S7 (10')	X812013-07	Soil	12/3/2008 3:50:00PM	12/03/2008 17:40
S8 (10')	X812013-08	Soil	12/3/2008 3:52:00PM	12/03/2008 17:40
S9 (10')	X812013-09	Soil	12/3/2008 3:55:00PM	12/03/2008 17:40

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S1 (10')
X812013-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	940	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

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Denver, Colorado 80211
303.433.1322 | Laboratory
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LT Environmental, Inc.
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Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S2 (10')
X812013-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	9940	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

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Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S3 (10')
X812013-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	11100	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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303.433.1322 | Laboratory
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S4 (10')
X812013-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	75.3	50.0	mg/kg	1	8L03006	12/03/2008	12/03/2008
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S5 (10')
X812013-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	891	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S6 (10')
X812013-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	5330	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S7 (10')
X812013-07 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	1770	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S8 (10')
X812013-08 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	231	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
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Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP - Chestnut G 22-6

S9 (10')
X812013-09 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	80.2	50.0	mg/kg	1	8L03006	12/03/2008	12/04/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

4640 Pecos Street | Unit C
 Denver, Colorado 80211
 303.433.1322 | Laboratory
 303.265.9645 | Fax



LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0839
 Project: NEP – Chestnut G 22-6

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L03006 – Default Prep GC-Semi										
Blank (8L03006-BLK1)					Prepared: 12/03/2008 Analyzed: 12/04/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L03006-BS1)					Prepared: 12/03/2008 Analyzed: 12/04/2008					
Gasoline (C6-C10)	218	50.0	mg/kg	200		109	65-135			
Matrix Spike (8L03006-MS1)					Source: X812013-04 Prepared: 12/03/2008 Analyzed: 12/04/2008					
Gasoline (C6-C10)	329	50.0	mg/kg	200	75.3	127	65-135			
Matrix Spike Dup (8L03006-MSD1)					Source: X812013-04 Prepared: 12/03/2008 Analyzed: 12/04/2008					
Gasoline (C6-C10)	371	50.0	mg/kg	200	75.3	148	65-135	15.1	25	QM-07

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0839
Project: NEP – Chestnut G 22-6

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

December 22, 2008

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

Attached are the analytical results for Chestnut received by Origins Laboratory, Inc. 12/19/2008 3:46:00PM. Please let us know if you have any questions, or if we can help with anything at all.

A handwritten signature in black ink, appearing to read "Noelle E Doyle".

Laboratory Manager
Noelle E Doyle

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S40(C)	X812074-01	Soil	12/19/2008 9:30:00AM	12/19/2008 15:46
S41(C)	X812074-02	Soil	12/19/2008 10:10:00AM	12/19/2008 15:46
S42(C)	X812074-03	Soil	12/19/2008 10:50:00AM	12/19/2008 15:46
S43(C)	X812074-04	Soil	12/19/2008 11:20:00AM	12/19/2008 15:46
S44(C)	X812074-05	Soil	12/19/2008 12:00:00PM	12/19/2008 15:46
S45(C)	X812074-06	Soil	12/19/2008 1:10:00PM	12/19/2008 15:46
S46(C)	X812074-07	Soil	12/19/2008 1:45:00PM	12/19/2008 15:46

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Dodek
 Project Number: NEP0610
 Project: Chestnut

X812074
 page _____ of _____

originslaboratory.com



Client: LTE
 Address: 4600 W 60th
 Telephone Number: DNFILE
 E-Mail Address: _____

Project Manager: BDD
 Project Name: Chestnut
 Project Number: NEP0610
 Samples Collected by: YEB

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air - Summa Canister #			Other
540 (C)	12/19/08	930	1	X									1 All Samples
541 (C)		1010	1	X									2
542 (C)		1050	1	X									3
543 (C)		1120	1	X									4 are composite
544 (C)		1200	1	X									5
545 (C)		1310	1	X									6
546 (C)		1345	1	Y									7
													8
													9
													10
Relinquished by: <u>SED</u>	Date: <u>12/1/08</u>	Time: <u>346</u>	Received by: _____	Date: _____	Time: _____	Temperature Upon Receipt: _____							
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: <u>12/19/08</u>	Time: <u>1546</u>	Turn-Around Time: _____							
				Same Day	24-hr	48-hr	72-hr						

4640 North Pecos Street | Unit C | Denver, Colorado 80211 | Laboratory - 303.433.1322 | Fax - 303.265.9645

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S40(C)
X812074-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	78.2	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S41(C)
X812074-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	1050.3	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



LT Environmental, Inc.
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Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S42(C)
X812074-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	102.6	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
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Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S43(C)
X812074-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	901.3	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



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Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S44(C)
X812074-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	532.5	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
303.265.9645 | Fax



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Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

S45(C)
X812074-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	514.6	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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4640 Pecos Street | Unit C
Denver, Colorado 80211
303.433.1322 | Laboratory
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Brian Dodek
Project Number: NEP0610
Project: Chestnut

S46(C)
X812074-07 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Gasoline Range Organics (GRO) by EPA 8015M

Gasoline (C6-C10)	1268.8	50.0	mg/kg	1	8L19005	12/19/2008	12/20/2008
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 Arvada CO 80003

Brian Dodek
 Project Number: NEP0610
 Project: Chestnut

Extractable Petroleum Hydrocarbons by 8015M – Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L19005 – Default Prep GC-Semi										
Blank (8L19005-BLK1)					Prepared: 12/19/2008 Analyzed: 12/20/2008					
Gasoline (C6-C10)	ND	50.0	mg/kg							
LCS (8L19005-BS1)					Prepared: 12/19/2008 Analyzed: 12/20/2008					
Gasoline (C6-C10)	173.0	50.0	mg/kg	200		86.5	65-135			
Matrix Spike (8L19005-MS1)					Source: X812073-01 Prepared: 12/19/2008 Analyzed: 12/20/2008					
Gasoline (C6-C10)	143.5	50.0	mg/kg	200	ND	71.8	65-135			
Matrix Spike Dup (8L19005-MSD1)					Source: X812073-01 Prepared: 12/19/2008 Analyzed: 12/20/2008					
Gasoline (C6-C10)	64.2	50.0	mg/kg	200	ND	32.1	65-135	76.4	25	QM-07

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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303.265.9645 | Fax



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4600 West 60th Avenue
Arvada CO 80003

Brian Dodek
Project Number: NEP0610
Project: Chestnut

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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