

Client: Stelbar Oil Date: 27-Oct-17  
Project: Price #9 Work Order: 1710387  
Sample ID: Center Lab ID: 1710387-1  
Legal Location: Matrix: SOIL  
Collection Date: 10/17/2017 Percent Moisture: 8.3

Analyses	Result	Qual	Report Limit Units	Dilution Factor	Date Analyzed
<b>GC/MS Volatiles</b>					
BENZENE	ND	SW8260	5.5 UG/KG	1	Prep Date: 10/18/2017 PrepBy: JXK 10/18/2017 16:31
TOLUENE	ND		5.5 UG/KG	1	10/18/2017 16:31
ETHYLBENZENE	ND		5.5 UG/KG	1	10/18/2017 16:31
M+P-XYLENE	ND		5.5 UG/KG	1	10/18/2017 16:31
O-XYLENE	ND		5.5 UG/KG	1	10/18/2017 16:31
TOTAL XYLENES	ND		5 UG/KG	1	10/18/2017 16:31
Surr: DIBROMOFLUOROMETHANE	96		61-134 %REC	1	10/18/2017 16:31
Surr: TOLUENE-D8	104		57-135 %REC	1	10/18/2017 16:31
Surr: 4-BROMOFLUOROBENZENE	84		52-151 %REC	1	10/18/2017 16:31
<b>Sodium Adsorption Ratio</b>					
PASTE PH	8.5	USDA60	0.1 pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

**ALS -- Fort Collins****SAMPLE SUMMARY REPORT**

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** In/East  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17

**Work Order:** 1710387

**Lab ID:** 1710387-2

**Matrix:** SOIL

**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	8.7	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

**ALS -- Fort Collins****SAMPLE SUMMARY REPORT**

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** In/West  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-4  
**Matrix:** SOIL  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	8.6	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

# ALS -- Fort Collins

## SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** In/North  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17

**Work Order:** 1710387

**Lab ID:** 1710387-6

**Matrix:** SOIL

**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	8.7	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

Client: Stelbar Oil  
 Project: Price #9  
 Sample ID: In/South  
 Legal Location:  
 Collection Date: 10/17/2017

Date: 27-Oct-17  
 Work Order: 1710387  
 Lab ID: 1710387-8  
 Matrix: SOIL  
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	9.1	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Center  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-10  
**Matrix:** SATEXTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
CALCIUM	23	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:41
MAGNESIUM	280		10	MG/KG	10	10/25/2017 12:41
SODIUM	560		10	MG/KG	10	10/25/2017 12:41
<b>Sodium Adsorption Ratio</b>						
ELECTRICAL CONDUCTIVITY @ SATURATION	1500	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	6.9		0.54	NU	10	10/25/2017 12:41

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** In/East  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-11  
**Matrix:** SATEXTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ICP Metals		USDA60				
CALCIUM	20		10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:44
MAGNESIUM	250		10	MG/KG	10	10/25/2017 12:44
SODIUM	1600		10	MG/KG	10	10/25/2017 12:44
Sodium Adsorption Ratio		USDA60				
ELECTRICAL CONDUCTIVITY @ SATURATION	6900		1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	21		0.54	NU	10	10/25/2017 12:44

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# SAMPLE SUMMARY REPORT

Client: Stelbar Oil  
 Project: Price #9  
 Sample ID: In/West  
 Legal Location:  
 Collection Date: 10/17/2017

Date: 27-Oct-17  
 Work Order: 1710387  
 Lab ID: 1710387-13  
 Matrix: SATExTRACT  
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ICP Metals						
CALCIUM	29	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:50
MAGNESIUM	330		10	MG/KG	10	10/25/2017 12:50
SODIUM	1100		10	MG/KG	10	10/25/2017 12:50
Sodium Adsorption Ratio						
ELECTRICAL CONDUCTIVITY @ SATURATION	3700	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	12		0.54	NU	10	10/25/2017 12:50



# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** In/Norht  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-15  
**Matrix:** SATEXTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ICP Metals		USDA60				
CALCIUM	46		10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:56
MAGNESIUM	540		10	MG/KG	10	10/25/2017 12:56
SODIUM	2500		10	MG/KG	10	10/25/2017 12:56
Sodium Adsorption Ratio		USDA60				
ELECTRICAL CONDUCTIVITY @ SATURATION	9800		1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	23		0.54	NU	10	10/25/2017 12:56

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

Client: Stelbar Oil  
 Project: Price #9  
 Sample ID: In/South  
 Legal Location:  
 Collection Date: 10/17/2017

Date: 27-Oct-17  
 Work Order: 1710387  
 Lab ID: 1710387-17  
 Matrix: SATExTRACT  
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ICP Metals		USDA60				
CALCIUM	24		10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 13:02
MAGNESIUM	250		10	MG/KG	10	10/25/2017 13:02
SODIUM	960		10	MG/KG	10	10/25/2017 13:02
Sodium Adsorption Ratio		USDA60				
ELECTRICAL CONDUCTIVITY @ SATURATION	3700		1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	13		0.54	NU	10	10/25/2017 13:02

**ALS -- Fort Collins****SAMPLE SUMMARY REPORT**

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/South  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-9  
**Matrix:** SOIL  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	8.2	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/North  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-7  
**Matrix:** SOIL  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	7.4	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/West  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17

**Work Order:** 1710387

**Lab ID:** 1710387-5

**Matrix:** SOIL

**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	6.1	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/East  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17

**Work Order:** 1710387

**Lab ID:** 1710387-3

**Matrix:** SOIL

**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Sodium Adsorption Ratio PASTE PH	6.8	USDA60	0.1	pH	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

Client: Stelbar Oil  
 Project: Price #9  
 Sample ID: Out/South  
 Legal Location:  
 Collection Date: 10/17/2017

Date: 27-Oct-17  
 Work Order: 1710387  
 Lab ID: 1710387-18  
 Matrix: SATEXTRACT  
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
ICP Metals						
CALCIUM	54	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 13:05
MAGNESIUM	17		10	MG/KG	10	10/25/2017 13:05
SODIUM	18		10	MG/KG	10	10/25/2017 13:05
Sodium Adsorption Ratio						
ELECTRICAL CONDUCTIVITY @ SATURATION	400	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	0.56		0.54	NU	10	10/25/2017 13:05

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/North  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-16  
**Matrix:** SATExTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
CALCIUM	33	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:59
MAGNESIUM	41		10	MG/KG	10	10/25/2017 12:59
SODIUM	ND		10	MG/KG	10	10/25/2017 12:59
<b>Sodium Adsorption Ratio</b>						
ELECTRICAL CONDUCTIVITY @ SATURATION	200	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	0.28	S	0.54	NU	10	10/25/2017 12:59



# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/West  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-14  
**Matrix:** SATEXTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
CALCIUM	17	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:53
MAGNESIUM	ND		10	MG/KG	10	10/25/2017 12:53
SODIUM	ND		10	MG/KG	10	10/25/2017 12:53
<b>Sodium Adsorption Ratio</b>						
ELECTRICAL CONDUCTIVITY @ SATURATION	160	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	0.47	S	0.54	NU	10	10/25/2017 12:53

# ALS -- Fort Collins

# SAMPLE SUMMARY REPORT

**Client:** Stelbar Oil  
**Project:** Price #9  
**Sample ID:** Out/East  
**Legal Location:**  
**Collection Date:** 10/17/2017

**Date:** 27-Oct-17  
**Work Order:** 1710387  
**Lab ID:** 1710387-12  
**Matrix:** SATEXTRACT  
**Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>ICP Metals</b>						
CALCIUM	22	USDA60	10	MG/KG	10	Prep Date: 10/19/2017 PrepBy: JML 10/25/2017 12:47
MAGNESIUM	23		10	MG/KG	10	10/25/2017 12:47
SODIUM	ND		10	MG/KG	10	10/25/2017 12:47
<b>Sodium Adsorption Ratio</b>						
ELECTRICAL CONDUCTIVITY @ SATURATION	140	USDA60	1	umhos/cm	1	Prep Date: 10/26/2017 PrepBy: HMA 10/26/2017
SODIUM ADSORPTION RATIO	0.35	S	0.54	NU	10	10/25/2017 12:47