

Summary Report

Cheryl Winkler
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: November 7, 2006

Work Order: 6110606



Project Name: Josey Federal No. 3

30-015-34513

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
107873	Insitu Pit Bottom N	soil	2006-11-04	14:00	2006-11-06
107874	Insitu Pit Bottom S	soil	2006-11-04	14:20	2006-11-06
107875	Insitu Pit Bottom E	soil	2006-11-04	14:40	2006-11-06
107876	Insitu Pit Bottom W	soil	2006-11-04	15:00	2006-11-06

Sample: 107873 - Insitu Pit Bottom N

Param	Flag	Result	Units	RL
Chloride		4220	mg/Kg	1.00

Sample: 107874 - Insitu Pit Bottom S

Param	Flag	Result	Units	RL
Chloride		234	mg/Kg	1.00

Sample: 107875 - Insitu Pit Bottom E

Param	Flag	Result	Units	RL
Chloride		979	mg/Kg	1.00

Sample: 107876 - Insitu Pit Bottom W

Param	Flag	Result	Units	RL
Chloride		328	mg/Kg	1.00



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Analytical and Quality Control Report

Cheryl Winkler
Nadel & Gussman Permian LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

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Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
107873	Insitu Pit Bottom N	soil	2006-11-04	14:00	2006-11-06
107874	Insitu Pit Bottom S	soil	2006-11-04	14:20	2006-11-06
107875	Insitu Pit Bottom E	soil	2006-11-04	14:40	2006-11-06
107876	Insitu Pit Bottom W	soil	2006-11-04	15:00	2006-11-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 107873 - Insitu Pit Bottom N

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31596	Date Analyzed:	2006-11-06	Analyzed By:	WB
Prep Batch:	27514	Sample Preparation:	2006-11-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4220	mg/Kg	500	1.00

Sample: 107874 - Insitu Pit Bottom S

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31596	Date Analyzed:	2006-11-06	Analyzed By:	WB
Prep Batch:	27514	Sample Preparation:	2006-11-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		234	mg/Kg	10	1.00

Sample: 107875 - Insitu Pit Bottom E

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31596	Date Analyzed:	2006-11-06	Analyzed By:	WB
Prep Batch:	27514	Sample Preparation:	2006-11-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		979	mg/Kg	50	1.00

Sample: 107876 - Insitu Pit Bottom W

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31596	Date Analyzed:	2006-11-06	Analyzed By:	WB
Prep Batch:	27514	Sample Preparation:	2006-11-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		328	mg/Kg	10	1.00

Matrix Blank (1) QC Batch: 31596

QC Batch:	31596	Date Analyzed:	2006-11-06	Analyzed By:	WB
Prep Batch:	27514	QC Preparation:	2006-11-06	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0222	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 31596
 Prep Batch: 27514

Date Analyzed: 2006-11-06
 QC Preparation: 2006-11-06

Analyzed By: WB
 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.6	mg/Kg	1	12.5	<0.0222	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.4	mg/Kg	1	12.5	<0.0222	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 107879

QC Batch: 31596
 Prep Batch: 27514

Date Analyzed: 2006-11-06
 QC Preparation: 2006-11-06

Analyzed By: WB
 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	374	mg/Kg	10	125	251	98	15.3 - 175

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	370	mg/Kg	10	125	251	95	15.3 - 175	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 31596

Date Analyzed: 2006-11-06

Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.8	94	90 - 110	2006-11-06

Standard (CCV-1)

QC Batch: 31596

Date Analyzed: 2006-11-06

Analyzed By: WB

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.5	92	90 - 110	2006-11-06

61106

To: Trace Analysis, Inc
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From: Nadel & Gussman Permuon, LLC
2908 Freeman
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505-746-1438

Contact Person: Lee Ledbetter ledbetter@naguss.com
Project # Josey Federal No. 3
Sampler: Caw

Field Code

107873	In situ	Pit	Bottom	N
74	"	"	"	S
75	"	"	"	E
76	"	"	"	W

Soil Cl₂ on all samples

1400	11/4/06
1420	11/4/06
1440	11/4/06
1500	"

Email results to:

ledbetter@naguss.com
mike.bratcher@state.nm.us
Cawkr@msn.com

Request 24 hr. Turnaround.

B45 30370 41690

Vicki H. 11-6-06 9:16