



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

Report Summary

Friday August 30, 2013

Report Number: L653959

Samples Received: 08/24/13

Client Project: TBAL

Description:

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 752165 GOSS

Collected By : Peter Gintautas
Collection Date : 08/21/13 09:40

ESC Sample # : L653959-01

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/27/13	1
Acrolein	BDL	0.050	mg/l	8260B	08/27/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/27/13	1
Benzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromoform	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/27/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	08/27/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/27/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroform	BDL	0.0050	mg/l	8260B	08/27/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/27/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
2-Hexanone	BDL	0.010	mg/l	8260B	08/27/13	1
Iodomethane	BDL	0.010	mg/l	8260B	08/27/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/27/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/27/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/27/13	1
Pentachloroethane	BDL	0.050	mg/l	8260B	08/27/13	1
Styrene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
Toluene	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

ESC Sample # : L653959-01

Sample ID : 752165 GOSS

Site ID :

Collected By : Peter Gintautas
Collection Date : 08/21/13 09:40

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	08/27/13	1
Vinyl acetate	BDL	0.010	mg/l	8260B	08/27/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	08/27/13	1
Allyl chloride	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroprene	BDL	0.050	mg/l	8260B	08/27/13	1
trans-1,4-Dichloro-2-butene	BDL	0.0025	mg/l	8260B	08/27/13	1
Isobutanol	BDL	0.10	mg/l	8260B	08/27/13	1
1,4-Dioxane	BDL	0.10	mg/l	8260B	08/27/13	1
Methacrylonitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Methyl methacrylate	BDL	0.050	mg/l	8260B	08/27/13	1
Ethyl methacrylate	BDL	0.0050	mg/l	8260B	08/27/13	1
Propionitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Ethanol	BDL	0.10	mg/l	8260B	08/27/13	1
tert-Butyl alcohol	0.0057	0.0050	mg/l	8260B	08/27/13	1
n-Butanol	BDL	0.20	mg/l	8260B	08/27/13	1
t-Amyl Alcohol	BDL	0.050	mg/l	8260B	08/27/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	08/27/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	08/27/13	1
n-Octane	BDL	0.010	mg/l	8260	08/27/13	1
Surrogate Recovery						
Toluene-d8	96.7		% Rec.	8260B	08/27/13	1
Dibromofluoromethane	91.0		% Rec.	8260B	08/27/13	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	08/27/13	1
4-Bromofluorobenzene	96.7		% Rec.	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/30/13 15:19 Printed: 08/30/13 15:20



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 423097 WD FED

Collected By : Peter Gintautas
Collection Date : 08/21/13 12:53

ESC Sample # : L653959-02

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/27/13	1
Acrolein	BDL	0.050	mg/l	8260B	08/27/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/27/13	1
Benzene	0.067	0.0010	mg/l	8260B	08/27/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromoform	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/27/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	08/27/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/27/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroform	BDL	0.0050	mg/l	8260B	08/27/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/27/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
Ethylbenzene	0.0056	0.0010	mg/l	8260B	08/27/13	1
2-Hexanone	BDL	0.010	mg/l	8260B	08/27/13	1
Iodomethane	BDL	0.010	mg/l	8260B	08/27/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/27/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/27/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/27/13	1
Pentachloroethane	BDL	0.050	mg/l	8260B	08/27/13	1
Styrene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
Toluene	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

ESC Sample # : L653959-02

Sample ID : 423097 WD FED

Site ID :

Collected By : Peter Gintautas
Collection Date : 08/21/13 12:53

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	08/27/13	1
Vinyl acetate	BDL	0.010	mg/l	8260B	08/27/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Xylenes, Total	0.068	0.0030	mg/l	8260B	08/27/13	1
Allyl chloride	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroprene	BDL	0.050	mg/l	8260B	08/27/13	1
trans-1,4-Dichloro-2-butene	BDL	0.0025	mg/l	8260B	08/27/13	1
Isobutanol	BDL	0.10	mg/l	8260B	08/27/13	1
1,4-Dioxane	BDL	0.10	mg/l	8260B	08/27/13	1
Methacrylonitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Methyl methacrylate	BDL	0.050	mg/l	8260B	08/27/13	1
Ethyl methacrylate	BDL	0.0050	mg/l	8260B	08/27/13	1
Propionitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Ethanol	BDL	0.10	mg/l	8260B	08/27/13	1
tert-Butyl alcohol	0.096	0.0050	mg/l	8260B	08/27/13	1
n-Butanol	BDL	0.20	mg/l	8260B	08/27/13	1
t-Amyl Alcohol	0.055	0.050	mg/l	8260B	08/27/13	1
Methyl Cyclohexane	0.0099	0.0010	mg/l	8260B	08/27/13	1
Cyclohexane	0.010	0.0010	mg/l	8260B	08/27/13	1
n-Octane	BDL	0.010	mg/l	8260	08/27/13	1
Surrogate Recovery						
Toluene-d8	96.1		% Rec.	8260B	08/27/13	1
Dibromofluoromethane	92.5		% Rec.	8260B	08/27/13	1
a,a,a-Trifluorotoluene	99.9		% Rec.	8260B	08/27/13	1
4-Bromofluorobenzene	96.5		% Rec.	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/30/13 15:19 Printed: 08/30/13 15:20



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : TRIP BLANK

Collected By : Peter Gintautas
Collection Date : 08/21/13 06:00

ESC Sample # : L653959-03

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/27/13	1
Acrolein	BDL	0.050	mg/l	8260B	08/27/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/27/13	1
Benzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromoform	BDL	0.0010	mg/l	8260B	08/27/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/27/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	08/27/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/27/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroform	BDL	0.0050	mg/l	8260B	08/27/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/27/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/27/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/27/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/27/13	1
2-Hexanone	BDL	0.010	mg/l	8260B	08/27/13	1
Iodomethane	BDL	0.010	mg/l	8260B	08/27/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/27/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/27/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/27/13	1
Pentachloroethane	BDL	0.050	mg/l	8260B	08/27/13	1
Styrene	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1
Toluene	BDL	0.0050	mg/l	8260B	08/27/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/27/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : TRIP BLANK

Collected By : Peter Gintautas
Collection Date : 08/21/13 06:00

ESC Sample # : L653959-03

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/27/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	08/27/13	1
Vinyl acetate	BDL	0.010	mg/l	8260B	08/27/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/27/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	08/27/13	1
Allyl chloride	BDL	0.050	mg/l	8260B	08/27/13	1
Chloroprene	BDL	0.050	mg/l	8260B	08/27/13	1
trans-1,4-Dichloro-2-butene	BDL	0.0025	mg/l	8260B	08/27/13	1
Isobutanol	BDL	0.10	mg/l	8260B	08/27/13	1
1,4-Dioxane	BDL	0.10	mg/l	8260B	08/27/13	1
Methacrylonitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Methyl methacrylate	BDL	0.050	mg/l	8260B	08/27/13	1
Ethyl methacrylate	BDL	0.0050	mg/l	8260B	08/27/13	1
Propionitrile	BDL	0.050	mg/l	8260B	08/27/13	1
Ethanol	BDL	0.10	mg/l	8260B	08/27/13	1
tert-Butyl alcohol	BDL	0.0050	mg/l	8260B	08/27/13	1
n-Butanol	BDL	0.20	mg/l	8260B	08/27/13	1
t-Amyl Alcohol	BDL	0.050	mg/l	8260B	08/27/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	08/27/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	08/27/13	1
n-Octane	BDL	0.010	mg/l	8260	08/27/13	1
Surrogate Recovery						
Toluene-d8	96.3		% Rec.	8260B	08/27/13	1
Dibromofluoromethane	89.2		% Rec.	8260B	08/27/13	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	08/27/13	1
4-Bromofluorobenzene	97.3		% Rec.	8260B	08/27/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/30/13 15:19 Printed: 08/30/13 15:20



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 285562 SANCH TR

Collected By : Peter Gintautas
Collection Date : 08/22/13 09:01

ESC Sample # : L653959-04

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	08/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	08/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/30/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	08/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
2-Hexanone	BDL	0.010	mg/l	8260B	08/30/13	1
Iodomethane	BDL	0.010	mg/l	8260B	08/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/30/13	1
Pentachloroethane	BDL	0.050	mg/l	8260B	08/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	08/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 285562 SANCH TR

Collected By : Peter Gintautas
Collection Date : 08/22/13 09:01

ESC Sample # : L653959-04

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	08/30/13	1
Vinyl acetate	BDL	0.010	mg/l	8260B	08/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	08/30/13	1
Allyl chloride	BDL	0.050	mg/l	8260B	08/30/13	1
Chloroprene	BDL	0.050	mg/l	8260B	08/30/13	1
trans-1,4-Dichloro-2-butene	BDL	0.0025	mg/l	8260B	08/30/13	1
Isobutanol	BDL	0.10	mg/l	8260B	08/30/13	1
1,4-Dioxane	BDL	0.10	mg/l	8260B	08/30/13	1
Methacrylonitrile	BDL	0.050	mg/l	8260B	08/30/13	1
Methyl methacrylate	BDL	0.050	mg/l	8260B	08/30/13	1
Ethyl methacrylate	BDL	0.0050	mg/l	8260B	08/30/13	1
Propionitrile	BDL	0.050	mg/l	8260B	08/30/13	1
Ethanol	BDL	0.10	mg/l	8260B	08/30/13	1
tert-Butyl alcohol	0.0054	0.0050	mg/l	8260B	08/30/13	1
n-Butanol	BDL	0.20	mg/l	8260B	08/30/13	1
t-Amyl Alcohol	BDL	0.050	mg/l	8260B	08/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	08/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	08/30/13	1
n-Octane	BDL	0.010	mg/l	8260	08/30/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/30/13	1
Dibromofluoromethane	99.6		% Rec.	8260B	08/30/13	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	08/30/13	1
4-Bromofluorobenzene	93.0		% Rec.	8260B	08/30/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/30/13 15:19 Printed: 08/30/13 15:20



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 285562 SANCH TR 58

Collected By : Peter Gintautas
Collection Date : 08/22/13 09:40

ESC Sample # : L653959-05

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	08/30/13	1
Acrolein	BDL	0.050	mg/l	8260B	08/30/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	08/30/13	1
Benzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromoform	BDL	0.0010	mg/l	8260B	08/30/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	08/30/13	1
Carbon disulfide	BDL	0.0010	mg/l	8260B	08/30/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	08/30/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	08/30/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	08/30/13	1
Chloroform	BDL	0.0050	mg/l	8260B	08/30/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	08/30/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	08/30/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	08/30/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/30/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	08/30/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/30/13	1
2-Hexanone	BDL	0.010	mg/l	8260B	08/30/13	1
Iodomethane	BDL	0.010	mg/l	8260B	08/30/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	08/30/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	08/30/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	08/30/13	1
Pentachloroethane	BDL	0.050	mg/l	8260B	08/30/13	1
Styrene	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1
Toluene	BDL	0.0050	mg/l	8260B	08/30/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	08/30/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	08/30/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



received 08/30/2013
Project 2130

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Peter Gintautas
Colorado Oil & Gas Conservation
213 Corundum Road
Trinidad, CO 81082

August 30, 2013

Date Received : August 24, 2013
Description :

Sample ID : 285562 SANCH TR 58

Collected By : Peter Gintautas
Collection Date : 08/22/13 09:40

ESC Sample # : L653959-05

Site ID :

Project # : TBAL

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	08/30/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	08/30/13	1
Vinyl acetate	BDL	0.010	mg/l	8260B	08/30/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	08/30/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	08/30/13	1
Allyl chloride	BDL	0.050	mg/l	8260B	08/30/13	1
Chloroprene	BDL	0.050	mg/l	8260B	08/30/13	1
trans-1,4-Dichloro-2-butene	BDL	0.0025	mg/l	8260B	08/30/13	1
Isobutanol	BDL	0.10	mg/l	8260B	08/30/13	1
1,4-Dioxane	BDL	0.10	mg/l	8260B	08/30/13	1
Methacrylonitrile	BDL	0.050	mg/l	8260B	08/30/13	1
Methyl methacrylate	BDL	0.050	mg/l	8260B	08/30/13	1
Ethyl methacrylate	BDL	0.0050	mg/l	8260B	08/30/13	1
Propionitrile	BDL	0.050	mg/l	8260B	08/30/13	1
Ethanol	BDL	0.10	mg/l	8260B	08/30/13	1
tert-Butyl alcohol	BDL	0.0050	mg/l	8260B	08/30/13	1
n-Butanol	BDL	0.20	mg/l	8260B	08/30/13	1
t-Amyl Alcohol	BDL	0.050	mg/l	8260B	08/30/13	1
Methyl Cyclohexane	BDL	0.0010	mg/l	8260B	08/30/13	1
Cyclohexane	BDL	0.0010	mg/l	8260B	08/30/13	1
n-Octane	BDL	0.010	mg/l	8260	08/30/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	08/30/13	1
Dibromofluoromethane	101.		% Rec.	8260B	08/30/13	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	08/30/13	1
4-Bromofluorobenzene	93.7		% Rec.	8260B	08/30/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 08/30/13 15:19 Printed: 08/30/13 15:20

received 08/30/2013
Project 2130

Summary of Remarks For
08/30/13 at 15:20:09

TSR Signing Reports: 288
R5 - Desired TAT

COGCC EDD format needed

Sample: L653959-01 Account: COILGASRCO Received: 08/24/13 09:00 Due Date: 08/30/13 00:00 RPT Date: 08/30/13 15:19
includes TICs COGCC EDD format
Sample: L653959-02 Account: COILGASRCO Received: 08/24/13 09:00 Due Date: 08/30/13 00:00 RPT Date: 08/30/13 15:19
includes TICs
Sample: L653959-03 Account: COILGASRCO Received: 08/24/13 09:00 Due Date: 08/30/13 00:00 RPT Date: 08/30/13 15:19
includes TICs
Sample: L653959-04 Account: COILGASRCO Received: 08/24/13 09:00 Due Date: 08/30/13 00:00 RPT Date: 08/30/13 15:19
includes TICs
Sample: L653959-05 Account: COILGASRCO Received: 08/24/13 09:00 Due Date: 08/30/13 00:00 RPT Date: 08/30/13 15:19
includes TICs

Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:	<u>Colorado Oil & Gas Conservation</u>	Client ID:	<div>752165 GOSS</div>
Project Desc.	<u></u>		
Matrix:	<u>WATER</u>	ESC Sample No:	<u>L653959-01</u>
Date Collected:	<u>8/21/2013</u>	Lab File ID:	<u>0827_25</u>
Date Analyzed:	<u>8/27/2013</u>	Dilution Factor:	<u>1.00</u>

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Number of TICs Found: 0

Concentration units: _____

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
---------	----------	----	------------	----	----

Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:	<u>Colorado Oil & Gas Conservation</u>	Client ID:	<div>423097 WD FED</div>
Project Desc.	<u></u>		
Matrix:	<u>WATER</u>	ESC Sample No:	<u>L653959-02</u>
Date Collected:	<u>8/21/2013</u>	Lab File ID:	<u>0827_26</u>
Date Analyzed:	<u>8/27/2013</u>	Dilution Factor:	<u>1.00</u>

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Number of TICs Found: 4 Concentration units: mg/l

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	9.44	0.004	96.00	J
000078-78-4	Butane, 2-methyl-	2.28	0.005	91.00	J
000075-28-5	Isobutane	1.85	0.008	86.00	J
000106-97-8	Butane	1.96	0.007	72.00	J

Environmental Science Corp.

Laboratory Services

VOLATILES ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:	<u>Colorado Oil & Gas Conservation</u>	Client ID:	<div>TRIP BLANK</div>
Project Desc.	<u></u>		
Matrix:	<u>WATER</u>	ESC Sample No:	<u>L653959-03</u>
Date Collected:	<u>8/21/2013</u>	Lab File ID:	<u>0827_27</u>
Date Analyzed:	<u>8/27/2013</u>	Dilution Factor:	<u>1.00</u>

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TIC's are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TIC's are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Number of TICs Found: 0

Concentration units: _____

CAS NO.	COMPOUND	RT	EST. CONC.	QF	QA
---------	----------	----	------------	----	----