received 09/28/2009

ACCUTEST Laboratories

September 28, 2009

Peter Gintautas
Colorado Oil & Gas Conservation Comm.
PO Box 108
Trinidad, CO 81082

Lab Work Order: 09-7170
Client Project ID: Meadows Damelio

Dear Peter Gintautas:

SUPPLEMENTAL REPORT

Per your inquiry on 9/25/09, attached is additional information on the 8260 Library Searches (TICs) done on the samples in this work order. Those searches showed no unknown compounds detected except for Octane and methyl-Octane in the Trip Blank. The non-detects include Iodomethane and tert-Butanol.
We have no way to report a specific compound if we do not calibrate for it and if the Library search does not detect it, so we could not generate a report for those compounds. However, we have added hand-written notes on the TIC reports and included the ion spectra of those compounds to prove that they are in the NIST Library and thus would have been detected, had they been present.
All other results were mailed and e-mailed on 9/24//09.

Thank you for using the services of this laboratory. If you require further information, I can be reached at 303-425-6021.

Sincerely,

Carl Smitz, for
Joseph J Egry IV/ Tiffany Pham
Quality Assurance

WORK ORDER Summary Evergreen Analytical, Inc. 09-7170

Rpt To: Peter Gintautas
Colorado Oil & Gas Conservation Comm.
PO Box 108
Trinidad, CO 81082
(719) 846-3091

Email To: peter.gintautas@state.co.us

9/28/2009 3:41:58 PM

Client Project ID: Meadows Damelio

QC Level: LEVEL I+

Comments EDD in COGCC format and PDF.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
09-7170-01A	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	200.7_D *	200.7: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-01A	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	200.8_D *	200.8: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-01B	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	9/21/09	9/05/09
09-7170-01B	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	C/A_BAL	Cation / Anion Balance calculation	☐	☐	9/21/09	
09-7170-01C	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	MEEP_W *	RSK175M: MEEP	☐	☐	9/21/09	9/17/09
09-7170-01D	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	8270_W *	8270C: BNA HSL	☐	☐	9/21/09	9/10/09
09-7170-01E	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	ALK_WGRP *	Alkalinity	☐	☐	9/21/09	9/17/09
09-7170-01E	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	COND_W	Specific Conductance @ 25°C	☐	☐	9/21/09	10/01/09
09-7170-01E	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	F_W	Fluoride	☐	☐	9/21/09	10/01/09
09-7170-01E	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	PH_DW	E150.1 pH	☐	☐	9/21/09	9/04/09
09-7170-01E	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	TDS_W	Total Dissolved Solids (TDS)	☐	☐	9/21/09	9/10/09
09-7170-01F	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	6010_D *	6010: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-01F	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	SAR_W	Sodium Adsorption Ratio for Water	☐	☐	9/21/09	3/02/10
09-7170-01G	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	8260_W *	8260B: VOA HSL	☐	☐	9/21/09	9/17/09
09-7170-01G	Meadows-Exterior	Drinking Water	9/03/09 1205	9/04/09	VOATICS	VOA TICS (Largest 10)	☐	☐	9/21/09	9/17/09
09-7170-02A	Damelil	Drinking Water	9/03/09 1255	9/04/09	200.7_D *	200.7: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-02A	Damelil	Drinking Water	9/03/09 1255	9/04/09	200.8_D *	200.8: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-02B	Damelil	Drinking Water	9/03/09 1255	9/04/09	ANIONS_NonDW *	300.0: Anions by IC	☐	☐	9/21/09	9/05/09
09-7170-02B	Damelil	Drinking Water	9/03/09 1255	9/04/09	C/A_BAL	Cation / Anion Balance calculation	☐	☐	9/21/09	
09-7170-02C	Damelil	Drinking Water	9/03/09 1255	9/04/09	MEEP_W *	RSK175M: MEEP	☐	☐	9/21/09	9/17/09

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. 09-7170

Rpt To: Peter Gintautas
Colorado Oil & Gas Conservation Comm.
PO Box 108
Trinidad, CO 81082
(719) 846-3091

Email To: peter.gintautas@state.co.us

9/28/2009 3:41:58 PM

Client Project ID: Meadows Damelio

QC Level: LEVEL I+

09-7170-02D	Damelil	Drinking Water	9/03/09 1255	9/04/09	8270_W *	8270C: BNA HSL	☐	☐	9/21/09	9/10/09
09-7170-02E	Damelil	Drinking Water	9/03/09 1255	9/04/09	ALK_WGRP *	Alkalinity	☐	☐	9/21/09	9/17/09
09-7170-02E	Damelil	Drinking Water	9/03/09 1255	9/04/09	COND_W	Specific Conductance @ 25°C	☐	☐	9/21/09	10/01/09
09-7170-02E	Damelil	Drinking Water	9/03/09 1255	9/04/09	F_W	Fluoride	☐	☐	9/21/09	10/01/09
09-7170-02E	Damelil	Drinking Water	9/03/09 1255	9/04/09	PH_DW	E150.1 pH	☐	☐	9/21/09	9/04/09
09-7170-02E	Damelil	Drinking Water	9/03/09 1255	9/04/09	TDS_W	Total Dissolved Solids (TDS)	☐	☐	9/21/09	9/10/09
09-7170-02F	Damelil	Drinking Water	9/03/09 1255	9/04/09	6010_D *	6010: Dissolved Metals	☐	☐	9/21/09	3/02/10
09-7170-02F	Damelil	Drinking Water	9/03/09 1255	9/04/09	SAR_W	Sodium Adsorption Ratio for Water	☐	☐	9/21/09	3/02/10
09-7170-02G	Damelil	Drinking Water	9/03/09 1255	9/04/09	8260_W *	8260B: VOA HSL	☐	☐	9/21/09	9/17/09
09-7170-02G	Damelil	Drinking Water	9/03/09 1255	9/04/09	VOATICS	VOA TICS (Largest 10)	☐	☐	9/21/09	9/17/09
09-7170-03A	Meadows-Interior	Drinking Water	9/03/09 1215	9/04/09	MEEP_W *	RSK175M: MEEP	☐	☐	9/21/09	9/17/09
09-7170-04A	Trip Blank	Trip Blank	9/03/09 0000	9/04/09	8260_W *	8260B: VOA HSL	☐	☐	9/21/09	9/17/09
09-7170-04A	Trip Blank	Trip Blank	9/03/09 0000	9/04/09	VOATICS	VOA TICS (Largest 10)	☐	☐	9/21/09	9/17/09

Definitions: * - Test Code has a Select List

Peter,
I placed the order for 8260 + TICS as requested. I will make an inquiry with the lab as to the specific TICs you are looking for.

Carl, Tami,
Can you help?

Patty McClellan
Accutest Mountain States, Inc.

From: Gintautas, Peter [mailto:Peter.Gintautas@state.co.us]
Sent: Friday, September 25, 2009 8:28 AM
To: Patty McClellan
Cc: Ash, Margaret
Subject: 09-7170-01 (Meadows water well) VOC analyte list

Patty, when I requested bottle kits for this sampling, I specifically requested two target analytes (iodomethane and tertbutanol) be analyzed and reported. I again repeated that request on the chain of custody that I returned to you and I voiced the same request to Andrea on September 4th and in an email to you and Andrea on the same day.

The report submitted to me yesterday does not include any results for those two compounds in the 8260 report. Please tell me how you plan to correct this problem.

Peter Gintautas

Environmental Protection Specialist

Colorado Oil and Gas Conservation Commission

719-846-3091

719-679-1326 (cell)

719-846-3384 (fax)

colorado.gov/cogcc

peter.gintautas@state.co.us

Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V5091509.S\\
Data File : 5V02477.D
Acq On : 15 Sep 2009 3:37 pmm
Operator : DONCC
Sample : 09-7170-01GG
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,11
ALS Vial : 7 Sample Multiplier: 11

MEADOWS - EXTERIOR

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.MM
Quant Title : 82600

TIC Library : C:\DATABASE\NIST98.LL
TIC Integration Parameters: LSCINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected

IODOMETHANE AND tert-BUTANOL WERE NOT DETECTED.
ESTIMATED DETECTION LIMIT = 5 ug/L

CMR 9/28/09

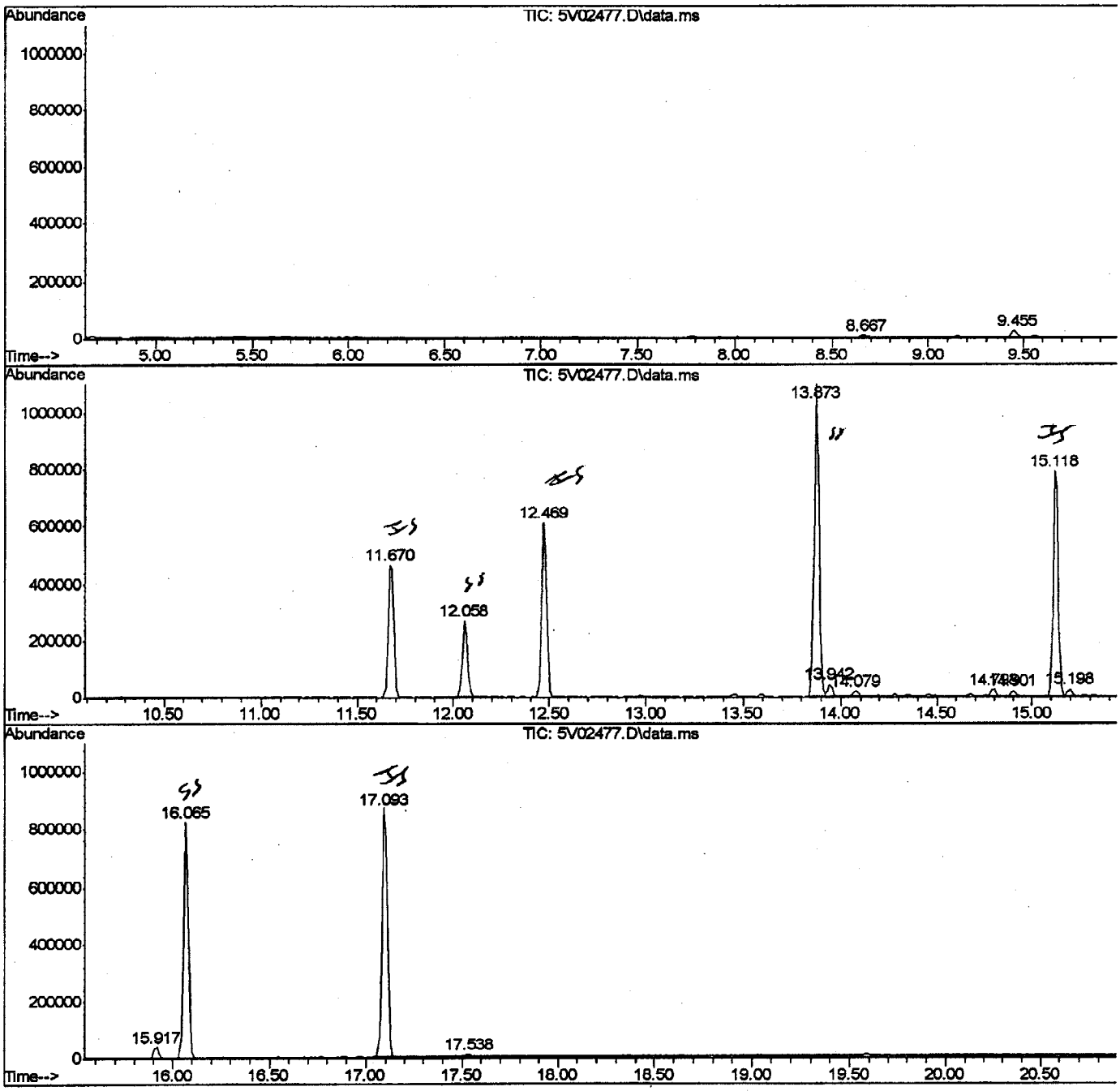
LSC Report - Integrated Chromatogram

034

Data Path : C:\msdchem\1\DATA\V5091509.S\
Data File : 5V02477.D
Acq On : 15 Sep 2009 3:37 pm
Operator : DONC
Sample : 09-7170-01G
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.M
Quant Title : 8260

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V5091509.S\\
Data File : 5V02478.D
Acq On : 15 Sep 2009 4:08 pmm
Operator : DONCC
Sample : 09-7170-02GG
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,11
ALS Vial : 8 Sample Multiplier: 11

DAMELIL

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.MM
Quant Title : 82600

TIC Library : C:\DATABASE\NIST98.LL
TIC Integration Parameters: LSCINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

IODOMETHANE AND tert-BUTANOL WERE NOT DETECTED.
ESTIMATED DETECTION LIMIT = 5 ug/L

CMS 9/28/09

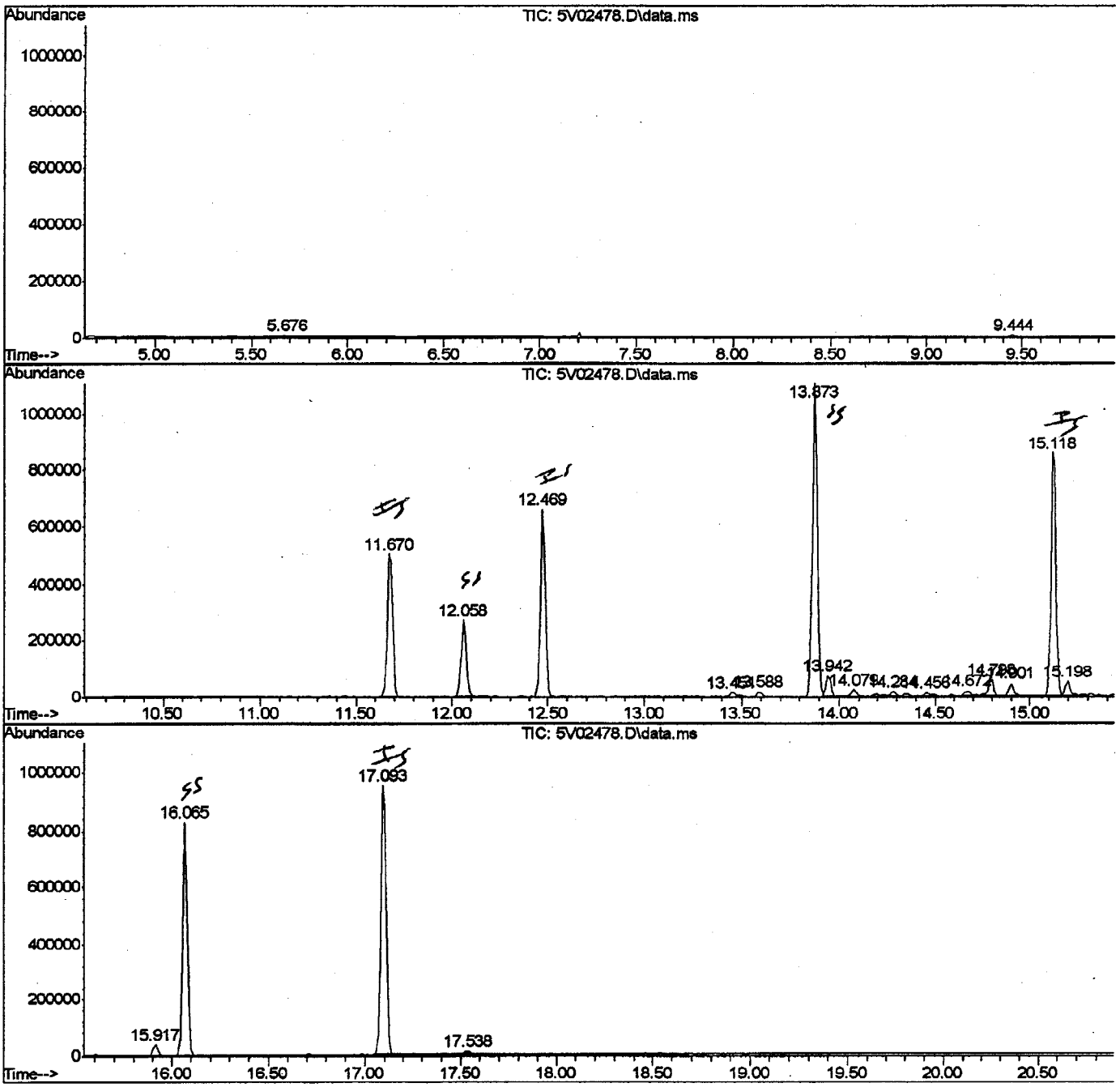
LSC Report - Integrated Chromatogram

039

Data Path : C:\msdchem\1\DATA\V5091509.S\
Data File : 5V02478.D
Acq On : 15 Sep 2009 4:08 pm
Operator : DONC
Sample : 09-7170-02G
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.M
Quant Title : 8260

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\DATA\V5091509.S\
Data File : 5V02483.D
Acq On : 15 Sep 2009 6:42 pm
Operator : DONC
Sample : 09-7170-04A
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,1
ALS Vial : 13 Sample Multiplier: 1

TRIP BLANK

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.M
Quant Title : 8260

TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Octane	13.942	6.2	ug/l	172230	3	15.129	1396340	50.0
Octane, 2-methyl-	14.798	5.9	ug/l	163600	3	15.129	1396340	50.0

IODOMETHANE AND tert-BUTANOL WERE NOT DETECTED.
ESTIMATED DETECTION LIMIT = 5 ug/L

9/28/09

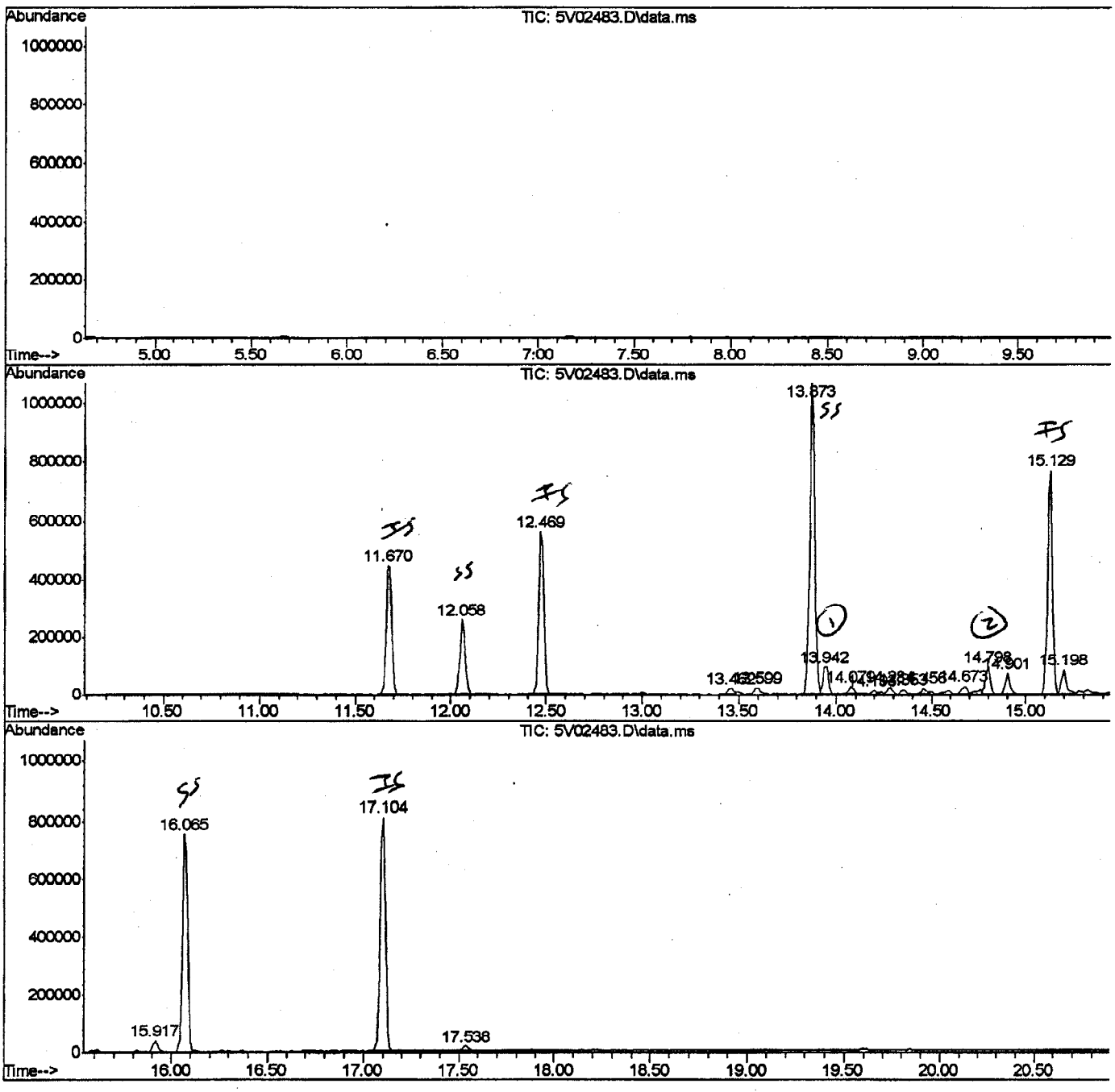
LSC Report - Integrated Chromatogram

044

Data Path : C:\msdchem\1\DATA\V5091509.S\
Data File : 5V02483.D
Acq On : 15 Sep 2009 6:42 pm
Operator : DONC
Sample : 09-7170-04A
Misc : ,SAMP,8260_W,1,|MS329,V5V104,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\V5hsl103tvh097.M
Quant Title : 8260

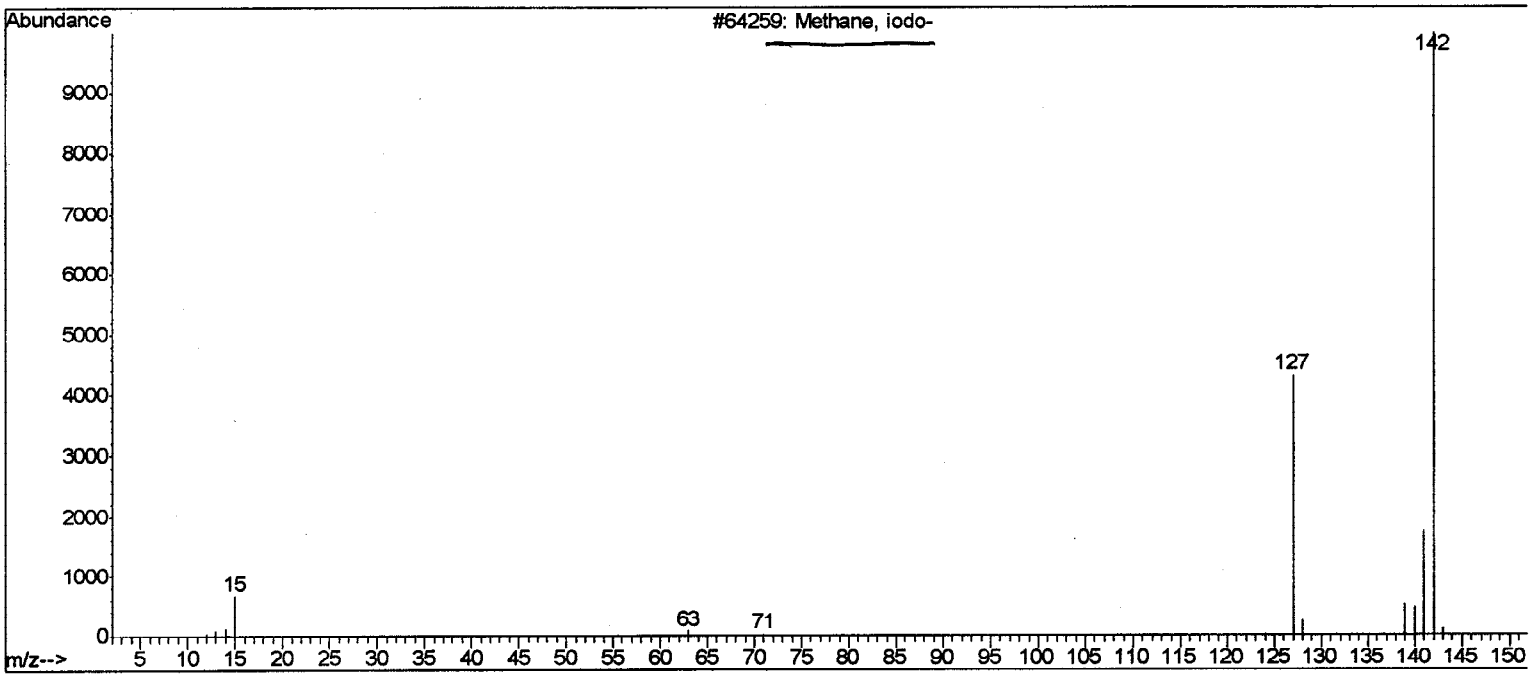
TIC Library : C:\DATABASE\NIST98.L
TIC Integration Parameters: LSCINT.P



Methane, iodo-

Entry Number	64259	from	C:\Database\NIST98.L
CAS	000074-88-4		
Melting Point	-300		
Boiling Point	-300		
Retention Index	0		
Mol Formula	CH3I		
Mol Weight	141.928		
Company ID	NIST 1998		

Miscellaneous Information
NIST MS# 118703, Seq# M64259



No structure available for 000074-88-4

Methane, iodo-
Formula: CH_3I
MW: 142 CAS#: 74-88-4 NIST#: 118703 ID#: 64259 DB: mainlib
Other DBs: EPA, NIH
Contributor: NIST Mass Spectrometry Data Center, 1990.

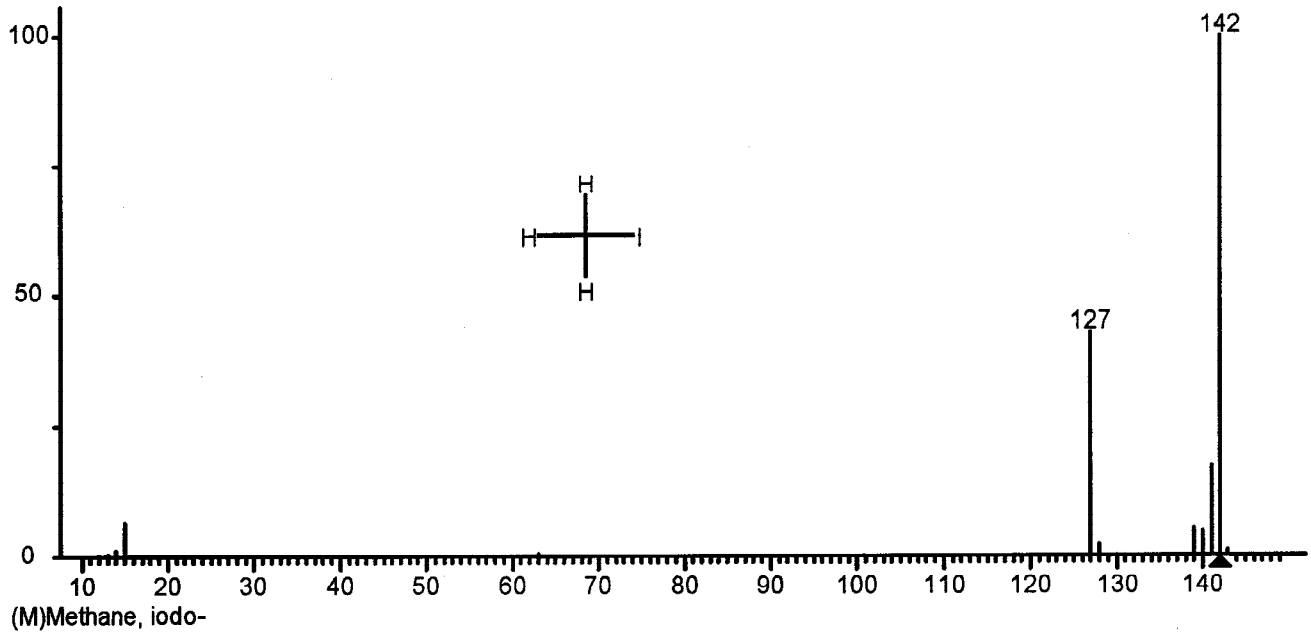
10 Largest Peaks

142	999	141	173	139	52	128	23	143	12
127	430	15	67	140	47	14	13	63	7

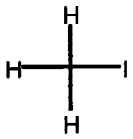
15 Masses and Abundances

12	3	14	13	16	1	71	2	127	430	139	52	141	173	143	12
13	7	15	67	63	7	124	1	128	23	140	47	142	999		

Synonyms:
1. Iodomethane
2. Methyl iodide
3. CH3I
4. Halon 10001
5. Iodometano
6. Iodure de methyle
7. Jod-methan
8. Joodmethaan
9. Methyljodid
10. Methyljodide
11. Metylu jodek
12. Monoioduro di metile
13. Rcra waste number U138
14. UN 2644



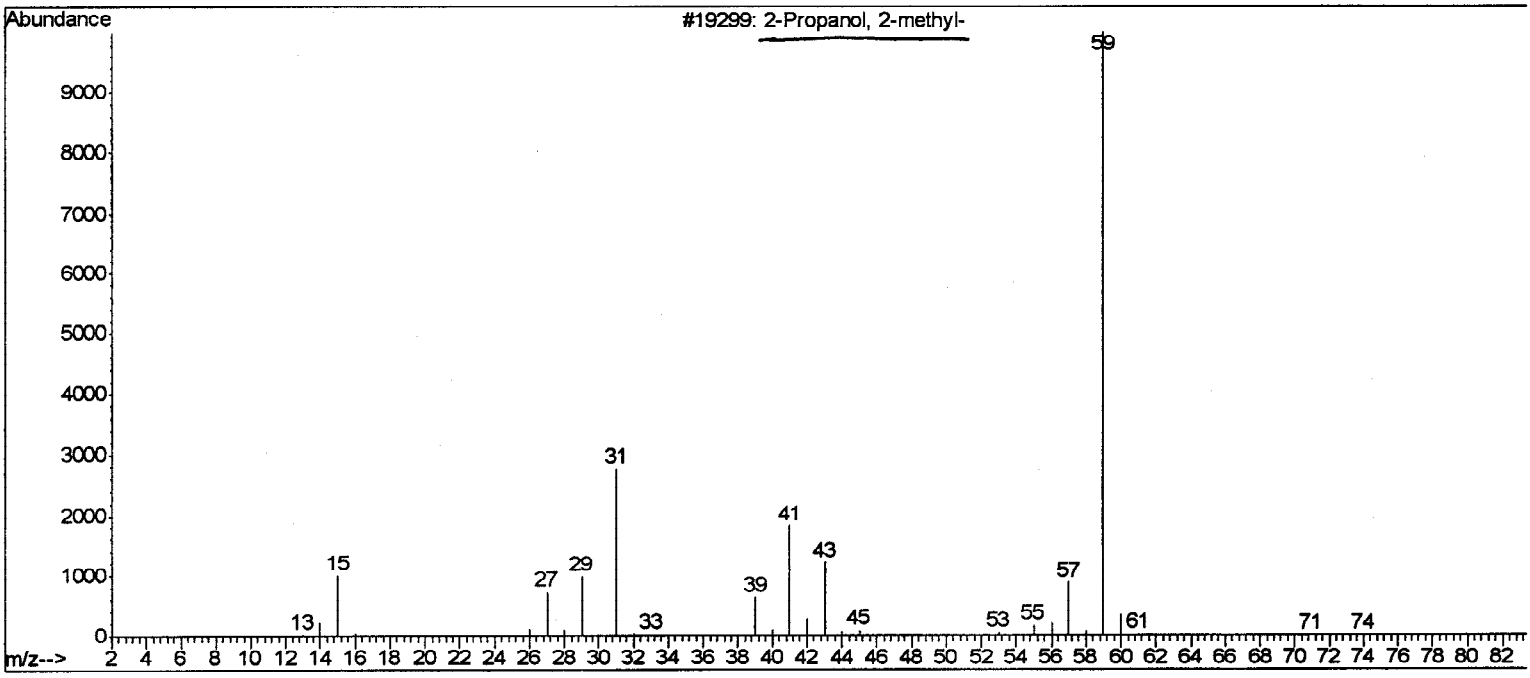
(M)Methane, iodo-



2-Propanol, 2-methyl-

Entry Number	19299	from	C:\Database\NIST98.L
CAS	000075-65-0		
Melting Point	-300		
Boiling Point	-300		
Retention Index	0		
Mol Formula	C4H10O		
Mol Weight	74.073		
Company ID	NIST 1998		

Miscellaneous Information
NIST MS# 19161, Seq# M19299



No structure available for 000075-65-0

2-Propanol, 2-methyl-
Formula: $C_4H_{10}O$
MW: 74 CAS#: 75-65-0 NIST#: 19161 ID#: 19299 DB: mainlib
Other DBs: Fine, EPA, USP, HODOC, NIH, EINECS

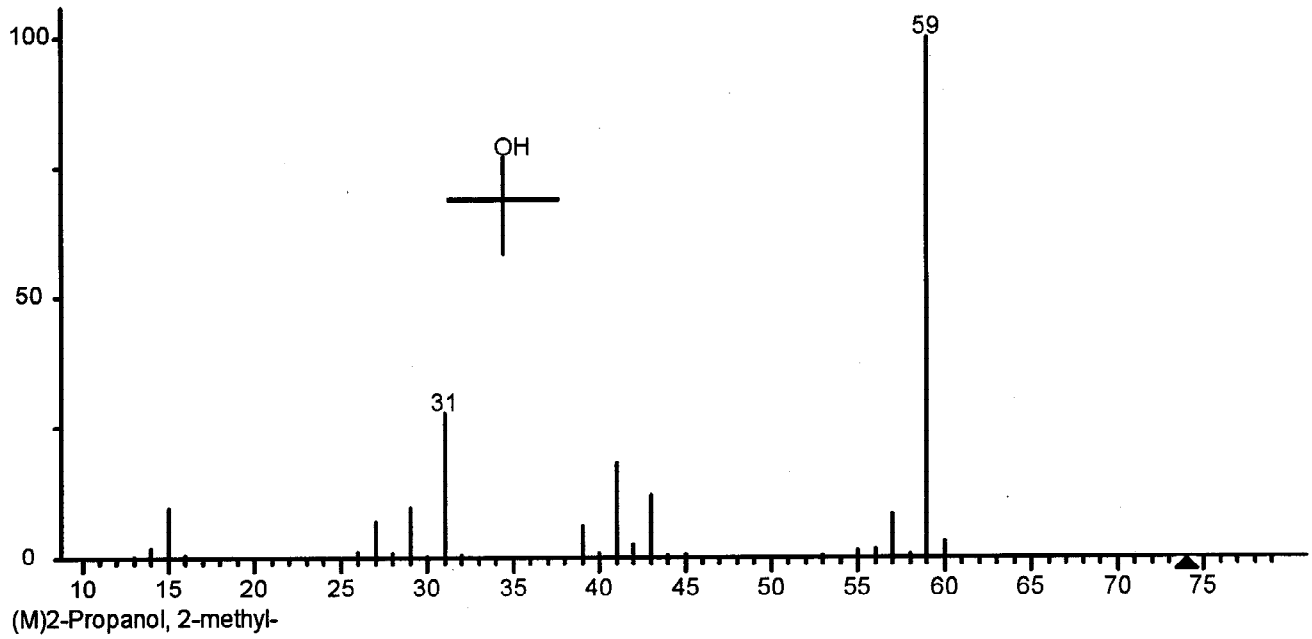
10 Largest Peaks

59	999	41	183	15	100	57	87	39	63
31	277	43	121	29	98	27	72	60	34

31 Masses and Abundances

12	1	16	5	29	98	33	2	42	27	53	5	57	87	61	2
13	3	26	13	30	3	39	63	43	121	54	1	58	8	71	1
14	21	27	72	31	277	40	10	44	7	55	16	59	999	74	1
15	100	28	10	32	5	41	183	45	8	56	19	60	34		

Synonyms:
1. tert-Butyl Alcohol
2. tert-Butanol
3. Ethanol, 1,1-Dimethyl-
4. Trimethylcarbinol
5. Trimethylmethanol
6. 1,1-Dimethylethanol
7. 2-Methyl-2-propanol
8. tert-C4H9OH
9. t-Butanol
10. tert-Butyl hydroxide
11. 2-Methylpropanol-2
12. t-Butyl alchohol
13. 2-Methylpropan-2-ol
14. Alcool butylique tertiaire
15. Butanol tertiaire
16. t-Butyl hydroxide
17. Methanol, trimethyl-
18. NCI-C55367
19. UN 1120



(M)2-Propanol, 2-methyl-