TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

received 09/30/2009
analytical results for
complaint 200218267

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Project: Complaint 200218267
P.O.#: PHA 10-10

Lot #: D9I180162

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Colorado Oil & Gas Conservation Commission
1120 Lincoln St.
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Denver, CO 80203

Lori Parsons
Project Manager

September 30, 2009

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Standard Deliverables

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Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	

Case Narrative

The results included in this report have been reviewed for compliance with TestAmerica Laboratories, Inc. Quality Assurance/Quality Control (QA/QC) plan. The test results relate only to the samples in this report and meet all requirements of NELAC with any exceptions noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D9I180162

Sample Receiving
TestAmerica Denver received four aqueous samples under chain of custody on September 18, 2009.

The samples were received at temperatures of 4.9 and 4.4 ° C.

All sample containers were received intact.

All of the 40mL vials submitted on September 18, 2009, requesting VOCs 8260B and dissolved gases by RSK-175 analyses, contained air bubbles ranging from 5-15 mm in diameter. Sufficient volume remained to proceed with the requested analysis. The client was notified on September 18, 2009.

Samples requiring dissolved metals were filtered and preserved upon receipt.

GC/MS Volatiles, Method SW846 8260B
The Matrix Spike/Matrix Spike Duplicate (MS/MSD) was performed on an unrelated sample and exhibited percent recoveries above the control limits in the MSD for 1,2-dichloropropane and methylene chloride. The acceptable MS, Laboratory Control Sample (LCS), and Method Blank analyses data indicated the analytical system was operating within control; therefore corrective action was deemed unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles, Method SW846 8270C
MS/MSD analyses could not be performed for QC batch 9265154 due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed

Dissolved Methane, Ethane, Ethene Analysis by GC, Method RSK SOP-175
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high concentrations of methane, the samples had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

The MS/MSD was performed on an unrelated sample and exhibited a percent recover above the control limits in the MSD for methane, due to matrix interference. The acceptable MS, LCS, and LCSD analyses data indicated the analytical system was operating within control; therefore corrective action was deemed unnecessary.

No other anomalies were observed.

Sodium Adsorption Ratio, Method S&PG SAR
Due to a data system anomaly, the SAR results are reported with a Total Metals header on the top of the page.

No anomalies were observed.

ICP Dissolved Metals, EPA 200.7
Serial dilution of a digestate in analytical QC batch 9264364 indicates that physical and chemical interferences are present for Boron. Results in the analytical report have been flagged with an "L".

The MS/MSD was performed on sample D9I180162-001 and could not be evaluated for sodium due to the sample amount being greater than four times the sample amount. The acceptable LCS and Method Blank analyses data indicated the analytical system was operating within control; therefore corrective action was deemed unnecessary.

No other anomalies were observed.

ICPMS Dissolved Metals, EPA 200.8
Samples D9I180162-001-003 associated with QC batch 9264368 exhibited negative cadmium results outside the range of TestAmerica's standard reporting limit (1.0 ug/L). IN accordance with our standard operating procedure, the samples have been flagged "G" and reported as non-detects with the RLs raised to the level of the negative results.

The MS/MSD was performed on sample D9I180162-003 and exhibited a percent recovery above the control limit in the MS for antimony. The acceptable MSD, LCS, and Method Blank analyses data indicated the analytical system was operating within control; therefore corrective action was deemed unnecessary.

No other anomalies were observed.

General Chemistry
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. Due to high constituent concentrations, the Chloride analyses of the samples and the Fluoride analysis of sample D9I180162-002 had to be performed at dilutions. Results in the analytical report have been flagged with a "Q", and the reporting limits have been adjusted relative to the dilutions required.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D9I180162

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
05-055-06166 (ROHR 04-10) 09/17/09 09:04 001				
Methane	11000	250	ug/L	RSK SOP-175
Barium - DISSOLVED	110	10	ug/L	MCAWW 200.7
Boron - DISSOLVED	150 L	100	ug/L	MCAWW 200.7
Lithium - DISSOLVED	23	10	ug/L	MCAWW 200.7
Manganese - DISSOLVED	11	10	ug/L	MCAWW 200.7
Sodium - DISSOLVED	270000	5000	ug/L	MCAWW 200.7
Strontium - DISSOLVED	140	10	ug/L	MCAWW 200.7
Calcium - DISSOLVED	1900	200	ug/L	MCAWW 200.7
Na Abs. Ratio	68 J	--	No Units	S&PG SAR
Bicarbonate Alkalinity	420	5.0	mg/L	SM18 2320 B
Chloride	51 Q	15	mg/L	MCAWW 300.0A
Fluoride	8.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.44	0.20	mg/L	MCAWW 300.0A
Carbonate Alkalinity	76	5.0	mg/L	SM18 2320 B
Total Organic Carbon	1.6	1.0	mg/L	SM18 5310B
Specific Conductance	1100	2.0	umhos/cm	SM18 2510 B
Total Dissolved Solids	670	10	mg/L	SM18 2540 C
Total Alkalinity	490	5.0	mg/L	SM18 2320 B
pH	8.8	0.10	No Units	SM18 4500-H B
Ion Balance % Difference	0.76	--	%	SM18 1030F & API
Total Anions	12	0.30	meq/L	SM17 1030F & API
Total Cations	12	0.10	meq/L	SM17 1030F & API
05-055-06290 (ROHR 09-04) 09/17/09 09:37 002				
Methane	17000	250	ug/L	RSK SOP-175
Barium - DISSOLVED	140	10	ug/L	MCAWW 200.7
Boron - DISSOLVED	210 L	100	ug/L	MCAWW 200.7
Lithium - DISSOLVED	50	10	ug/L	MCAWW 200.7
Manganese - DISSOLVED	11	10	ug/L	MCAWW 200.7
Sodium - DISSOLVED	280000	5000	ug/L	MCAWW 200.7
Strontium - DISSOLVED	160	10	ug/L	MCAWW 200.7
Calcium - DISSOLVED	2100	200	ug/L	MCAWW 200.7
Molybdenum - DISSOLVED	0.0029	0.0020	mg/L	MCAWW 200.8
Na Abs. Ratio	67 J	--	No Units	S&PG SAR
Benzene	1.1	1.0	ug/L	SW846 8260B
Naphthalene	1.5	1.0	ug/L	SW846 8260B
Bicarbonate Alkalinity	460	5.0	mg/L	SM18 2320 B
Chloride	71 Q	15	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D9I180162

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
05-055-06290 (ROHR 09-04) 09/17/09 09:37 002				
Fluoride	11 Q	2.5	mg/L	MCAWW 300.0A
Bromide	0.67	0.20	mg/L	MCAWW 300.0A
Carbonate Alkalinity	56	5.0	mg/L	SM18 2320 B
Specific Conductance	1200	2.0	umhos/cm	SM18 2510 B
Total Dissolved Solids	710	10	mg/L	SM18 2540 C
Total Alkalinity	520	5.0	mg/L	SM18 2320 B
pH	8.6	0.10	No Units	SM18 4500-H B
Ion Balance % Difference	1.8	--	%	SM18 1030F & API
Total Anions	13	0.30	meq/L	SM17 1030F & API
Total Cations	12	0.10	meq/L	SM17 1030F & API
05-055-06165 (ROHR 09-10) 09/17/09 08:32 003				
Methane	10000	100	ug/L	RSK SOP-175
Barium - DISSOLVED	54	10	ug/L	MCAWW 200.7
Boron - DISSOLVED	160 L	100	ug/L	MCAWW 200.7
Sodium - DISSOLVED	260000	5000	ug/L	MCAWW 200.7
Strontium - DISSOLVED	98	10	ug/L	MCAWW 200.7
Calcium - DISSOLVED	1300	200	ug/L	MCAWW 200.7
Molybdenum - DISSOLVED	0.0036	0.0020	mg/L	MCAWW 200.8
Na Abs. Ratio	94 J	--	No Units	S&PG SAR
Bicarbonate Alkalinity	380	5.0	mg/L	SM18 2320 B
Chloride	48	3.0	mg/L	MCAWW 300.0A
Fluoride	11 Q	1.0	mg/L	MCAWW 300.0A
Bromide	0.38	0.20	mg/L	MCAWW 300.0A
Carbonate Alkalinity	79	5.0	mg/L	SM18 2320 B
Specific Conductance	1000	2.0	umhos/cm	SM18 2510 B
Total Dissolved Solids	610	10	mg/L	SM18 2540 C
Total Alkalinity	460	5.0	mg/L	SM18 2320 B
pH	9.0	0.10	No Units	SM18 4500-H B
Ion Balance % Difference	1.7	--	%	SM18 1030F & API
Total Anions	11	0.30	meq/L	SM17 1030F & API
Total Cations	11	0.10	meq/L	SM17 1030F & API

METHODS SUMMARY

D9I180162

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	SM18 4500-H B	SM18 4500-H B
Alkalinity, Total	SM18 2320 B	SM18 2320 B
Bicarbonate alkalinity	SM18 2320 B	SM20 2320B
Bromide	MCAWW 300.0A	MCAWW 300.0A
Carbonate Alkalinity	SM18 2320 B	SM20 2320B
Chloride	MCAWW 300.0A	MCAWW 300.0A
Dissolved Gases in Water	RSK SOP-175	RSK RSKSOP-175
Dissolved ICP Metals	MCAWW 200.7	MCAWW 200.7
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Ion Balance (Tot. Anions)	SM17 1030F & AP	SM17 1030F & AP
Ion Balance (Tot.Cations)	SM17 1030F & AP	SM17 1030F & AP
Ion Balance % Difference	SM18 1030F & AP	SM18 1030F & AP
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Sodium Adsorption Ratio (SAR)	S&PG SAR	MCAWW SAR
Specific Conductance	SM18 2510 B	MCAWW 2510B
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Dissolved Solids	SM18 2540 C	SM18 2540 C
Total Organic Carbon by Combustion-Infrared	SM18 5310B	SM18 5310 B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

S&PG SOILS: AN INTRODUCTION TO SOILS AND PLANT GROWTH, 5FTH ED., DONAHUE, MILLER AND SHICKLUNA, 1983

SM17 "Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D9I180162

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 200.7	David Wells	005099
MCAWW 200.8	Thomas Lill	006929
MCAWW 300.0A	Ewa Kudla	001167
RSK SOP-175	Tegan Moore	004788
S&PG SAR	David Wells	005099
SM17 1030F & API	Roxanne K. Sullivan	001200
SM18 1030F & API	Roxanne K. Sullivan	001200
SM18 2320 B	Marcia DeRosia	002500
SM18 2510 B	Braden H. Peterson	006733
SM18 2540 C	Brian E. Rothmeyer	003345
SM18 4500-H B	Lara E. Jarusewic	004433
SM18 5310B	Elizabeth Fisher	009292
SW846 8260B	Huaqing Zhou	005417
SW846 8270C	Daniel Kiekel	011370

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

S&PG SOILS: AN INTRODUCTION TO SOILS AND PLANT GROWTH, 5FTH ED., DONAHUE, MILLER AND SHICKLUNA, 1983

SM17 "Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D9I180162

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LK254	001	05-055-06166 (ROHR 04-10)	09/17/09	09:04
LK27H	002	05-055-06290 (ROHR 09-04)	09/17/09	09:37
LK27L	003	05-055-06165 (ROHR 09-10)	09/17/09	08:32
LK27Q	004	TRIP BLANK	09/17/09	07:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AD **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 15:47
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	6.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	3.0	ug/L
trans-1,4-Dichloro-2-butene	ND	3.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	3.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L
Methylene chloride	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
Vinyl acetate	ND	3.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
Acetonitrile	ND	30	ug/L
Allyl chloride	ND	2.0	ug/L
Chloroprene	ND	1.0	ug/L
Propionitrile	ND	20	ug/L
Methacrylonitrile	ND	10	ug/L
Isobutyl alcohol	ND	110	ug/L
Methyl methacrylate	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
4-Isopropyltoluene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AD **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(79 - 120)
1,2-Dichloroethane-d4	91	(65 - 126)
4-Bromofluorobenzene	104	(75 - 120)
Toluene-d8	94	(78 - 120)

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8725.D
Lab Smp Id: LK2541AD Client Smp ID: 05-055-06166 (ROHR
Inj Date : 25-SEP-2009 15:47
Operator : ZhouH Inst ID: E.i
Smp Info : LK2541AD, ,D9I180162-1 pH<2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Meth Date : 27-Sep-2009 06:46 zhouh Quant Type: ISTD
Cal Date : 24-JUL-2009 13:31 Cal File: E7447.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: qk-01.sub
Target Version: 4.14
Processing Host: DENPC259

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 58	Fluorobenzene	96	8.190	8.190	(1.000)	801383	10.0000	
* 84	Chlorobenzene-d5	119	12.645	12.645	(1.000)	174799	10.0000	
* 109	1,4-Dichlorobenzene-d4	152	15.674	15.674	(1.000)	256200	10.0000	
$ 48	Dibromofluoromethane	111	7.111	7.110	(0.868)	275461	8.99976	8.99976
$ 54	1,2-Dichloroethane-d4	65	7.720	7.720	(0.943)	121081	9.08253	9.08253
$ 72	Toluene-d8	98	10.574	10.574	(0.836)	746701	9.35015	9.35015
$ 95	Bromofluorobenzene	95	14.264	14.264	(1.128)	370194	10.3862	10.3862
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
M 3	1,3-Dichloropropene (total)	75	Compound Not Detected.					
M 4	Trihalomethanes (total)	83	Compound Not Detected.					
5	dichlorodifluoromethane	85	Compound Not Detected.					
6	Dichlorotetrafluoroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
8	Vinyl Chloride	62	Compound Not Detected.					
9	Ethylene Oxide	43	Compound Not Detected.					
10	Bromomethane	94	Compound Not Detected.					
11	Chloroethane	64	Compound Not Detected.					
12	Dichlorofluoromethane	67	Compound Not Detected.					
14	Trichlorofluoromethane	101	Compound Not Detected.					
13	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
16 Ethyl Ether	59	3.473	3.473	(0.424)	1741	0.17686	0.176860(a)
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Acetone	43	Compound Not Detected.					
20 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 2-propanol	45	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
24 Iodomethane	142	Compound Not Detected.					
25 Acetonitrile	41	Compound Not Detected.					
23 Methyl Acetate	43	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	4.430	4.413	(0.541)	8794	0.28371	0.283710(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
41 Propionitrile	54	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
44 Methacrylonitrile	41	Compound Not Detected.					
45 Bromochloromethane	128	Compound Not Detected.					
46 Chloroform	83	Compound Not Detected.					
47 Tetrahydrofuran	42	Compound Not Detected.					
50 1,1,1-Trichloroethane	97	7.093	7.093	(0.866)	22397	0.58328	0.583282(a)
49 Isobutanol	41	Compound Not Detected.					
51 Cyclohexane	56	Compound Not Detected.					
52 1,1-Dichloropropene	75	Compound Not Detected.					
53 Carbon Tetrachloride	117	Compound Not Detected.					
55 1,2-Dichloroethane	62	Compound Not Detected.					
57 Benzene	78	Compound Not Detected.					
56 TAME	73	Compound Not Detected.					
59 n-Butanol	56	Compound Not Detected.					
60 Trichloroethene	130	Compound Not Detected.					
61 2-Pentanone	43	Compound Not Detected.					
62 Methyl Methacrylate	100	Compound Not Detected.					
63 1,2-Dichloropropane	63	Compound Not Detected.					
64 Methyl Cyclohexane	55	Compound Not Detected.					
65 1,4-Dioxane	88	Compound Not Detected.					
66 Dibromomethane	93	Compound Not Detected.					
67 Bromodichloromethane	83	Compound Not Detected.					
68 2-nitropropane	41	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 cis-1,3-Dichloropropene	75	Compound Not Detected.					
71 4-Methyl-2-pentanone	43	Compound Not Detected.					
73 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
75 trans-1,3-Dichloropropene	75	Compound Not Detected.					
74 Ethyl methacrylate	69	Compound Not Detected.					
76 1,1,2-Trichloroethane	97	Compound Not Detected.					
77 2-Hexanone	43	Compound Not Detected.					
78 1,3-Dichloropropane	76	Compound Not Detected.					
79 Tetrachloroethene	164	11.427	11.427	(0.904)	5954	0.21375	0.213751(a)
80 Dibromochloromethane	129	Compound Not Detected.					
81 Tetrahydrothiophene	60	Compound Not Detected.					
82 1,2-Dibromoethane	107	Compound Not Detected.					
83 1-Chlorohexane	91	Compound Not Detected.					
85 Chlorobenzene	112	Compound Not Detected.					
86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
87 Ethylbenzene	106	Compound Not Detected.					
88 m and p-Xylene	106	Compound Not Detected.					
89 o-Xylene	106	Compound Not Detected.					
90 Styrene	104	Compound Not Detected.					
91 Bromoform	173	Compound Not Detected.					
92 isopropyl benzene	105	Compound Not Detected.					
93 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
94 Cyclohexanone	55	Compound Not Detected.					
96 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
97 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
98 1,2,3-Trichloropropane	110	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 n-Propylbenzene	120	Compound Not Detected.					
101 2-Chlorotoluene	126	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 4-Chlorotoluene	126	Compound Not Detected.					
104 tert-Butylbenzene	119	Compound Not Detected.					
105 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
106 sec-Butylbenzene	134	Compound Not Detected.					
107 4-Isopropyltoluene	119	Compound Not Detected.					
108 m-Dichlorobenzene	146	Compound Not Detected.					
110 p-dichlorobenzene	146	Compound Not Detected.					
111 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
112 n-Butylbenzene	91	Compound Not Detected.					
113 o-Dichlorobenzene	146	Compound Not Detected.					
114 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
115 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
116 Hexachlorobutadiene	225	Compound Not Detected.					
117 Naphthalene	128	Compound Not Detected.					
118 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: E.i
Lab File ID: E8725.D
Lab Smp Id: LK2541AD
Analysis Type: VOA
Quant Type: ISTD
Operator: ZhouH
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

Calibration Date: 25-SEP-2009
Calibration Time: 08:49
Client Smp ID: 05-055-06166 (R
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
58 Fluorobenzene	733787	366894	1467574	801383	9.21
84 Chlorobenzene-d5	163129	81565	326258	174799	7.15
109 1,4-Dichlorobenze	236601	118301	473202	256200	8.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
58 Fluorobenzene	8.19	7.69	8.69	8.19	0.00
84 Chlorobenzene-d5	12.65	12.15	13.15	12.65	0.00
109 1,4-Dichlorobenze	15.67	15.17	16.17	15.67	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LK2541AD Client Smp ID: 05-055-06166 (ROHR
Level: LOW Operator: ZhouH
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: dcs.spk Quant Type: ISTD
Sublist File: qk-01.sub
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 48 Dibromofluorometha	10.0000	8.99976	90.00	79-120
$ 54 1,2-Dichloroethane	10.0000	9.08253	90.83	65-126
$ 72 Toluene-d8	10.0000	9.35015	93.50	78-120
$ 95 Bromofluorobenzene	10.0000	10.3862	103.86	75-120

Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8725.D

Page 6

Date : 25-SEP-2009 15:47

Client ID: 05-055-06166 (ROHR

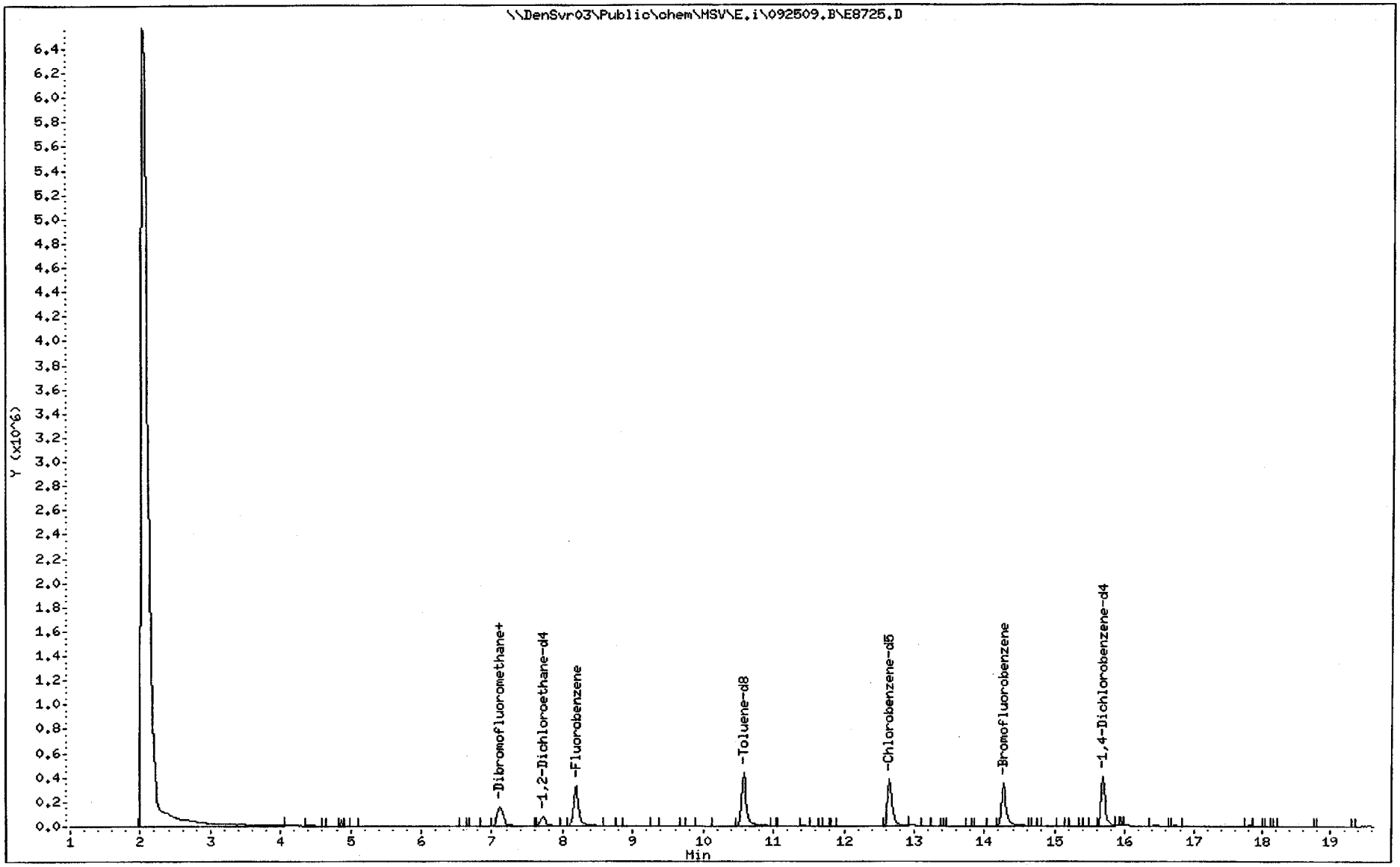
Instrument: E.i

Sample Info: LK2541AD, ,D9I180162-1 pH<2

Operator: ZhouH

Column phase: DB624

Column diameter: 0.53



Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8725.D

Date : 25-SEP-2009 15:47

Client ID: 05-055-06166 (ROHR

Instrument: E.i

Sample Info: LK2541AD, ,D9I180162-1 pH<2

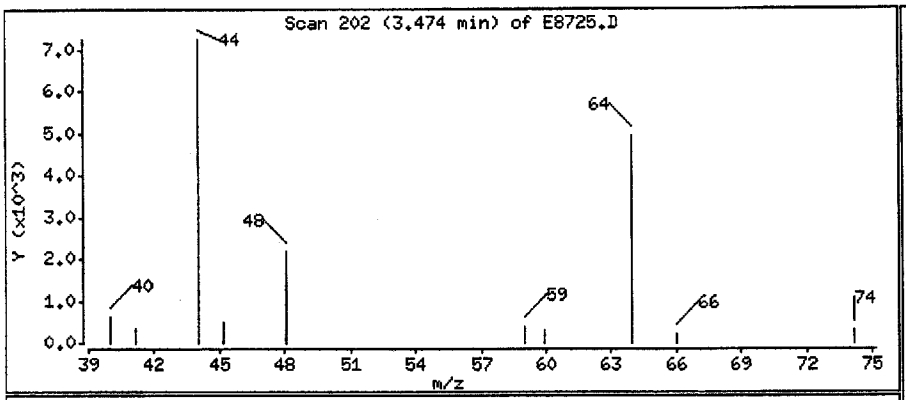
Operator: ZhouH

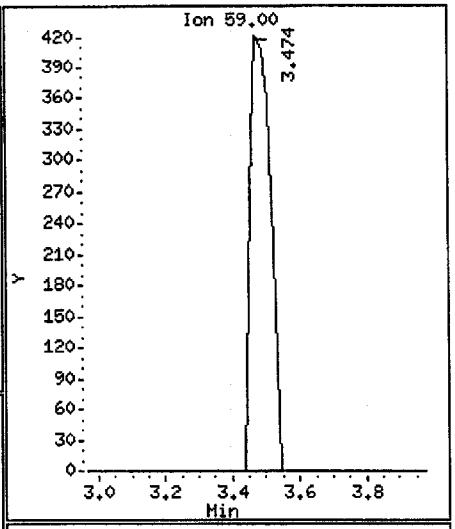
Column phase: DB624

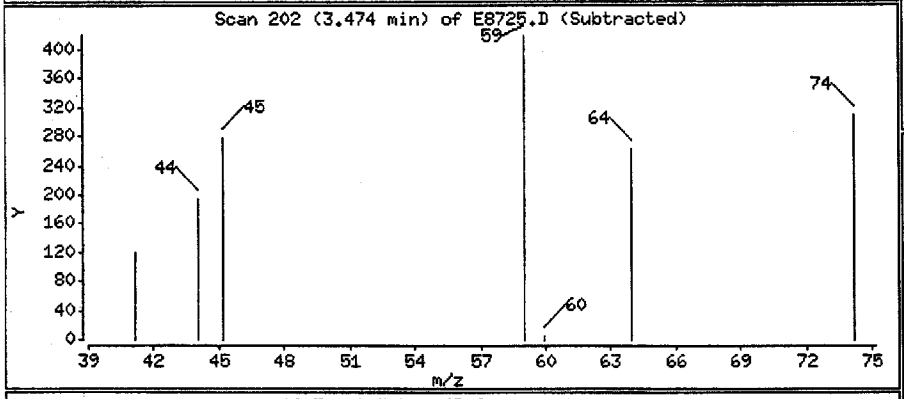
Column diameter: 0.53

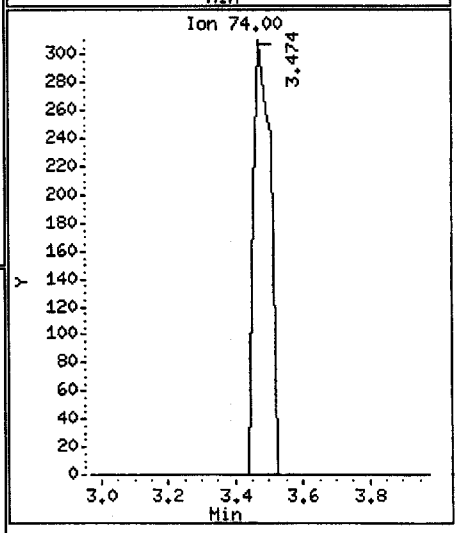
16 Ethyl Ether

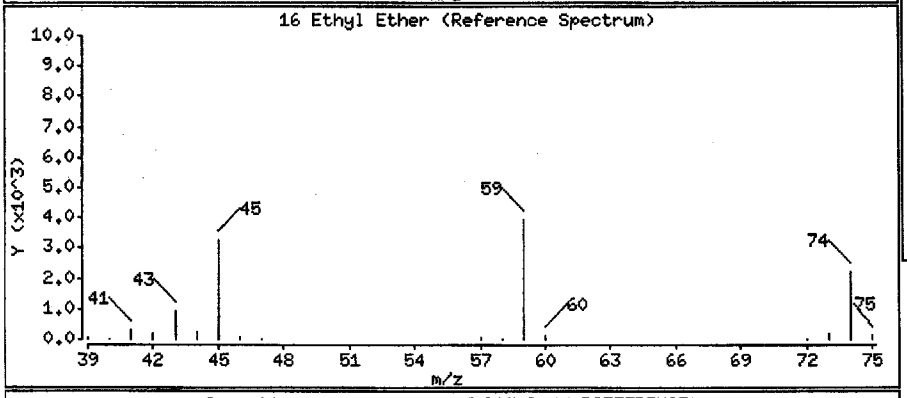
Concentration: 0.176860 ug/L

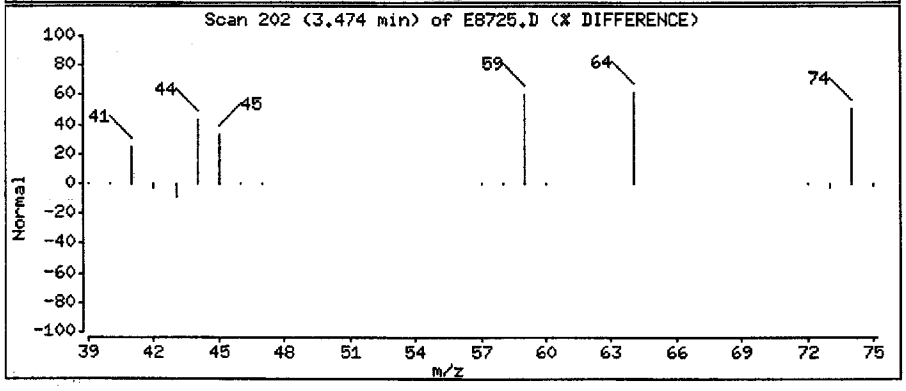












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Date : 25-SEP-2009 15:47

Client ID: 05-055-06166 (ROHR

Instrument: E.i

Sample Info: LK2541AD, ,D9I180162-1 pH<2

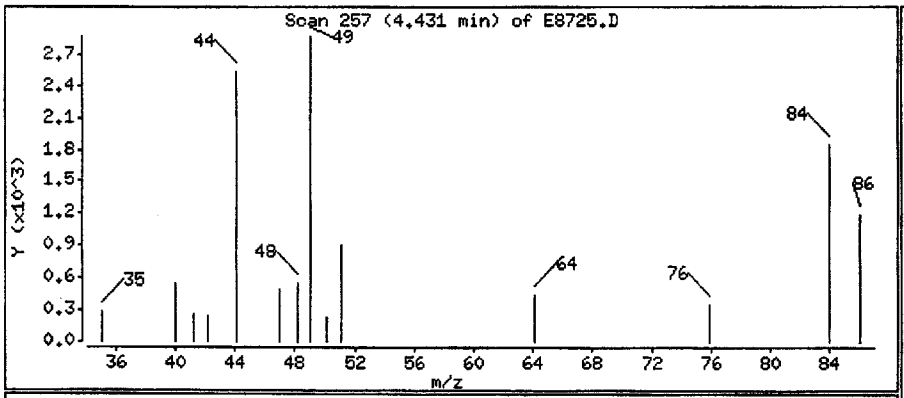
Operator: ZhouH

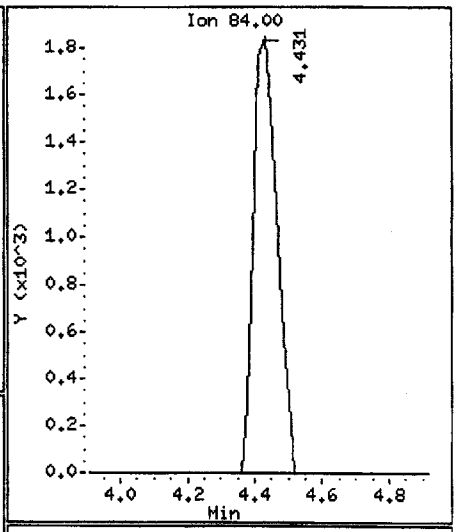
Column phase: DB624

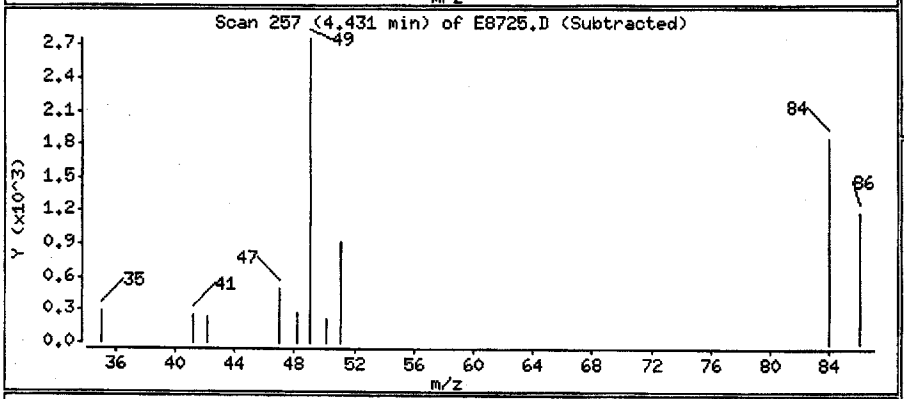
Column diameter: 0.53

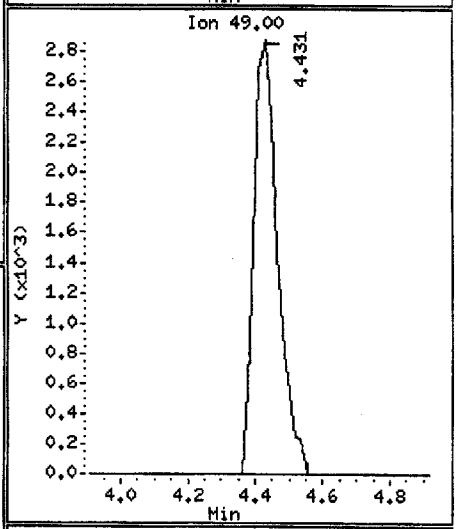
29 Methylene Chloride

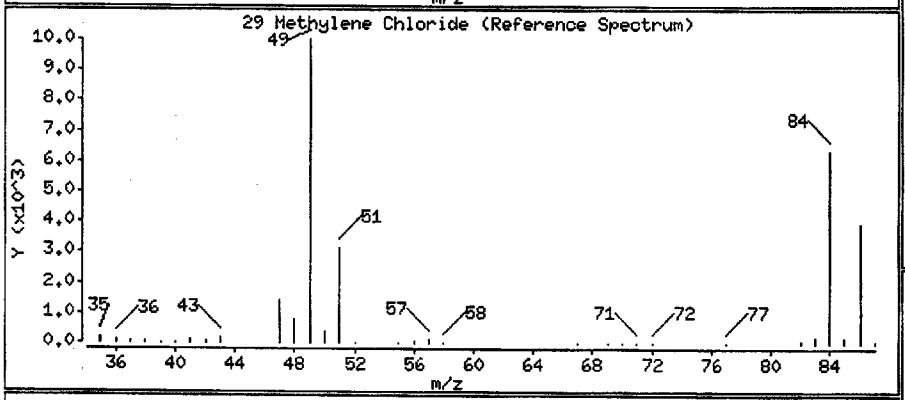
Concentration: 0.283710 ug/L

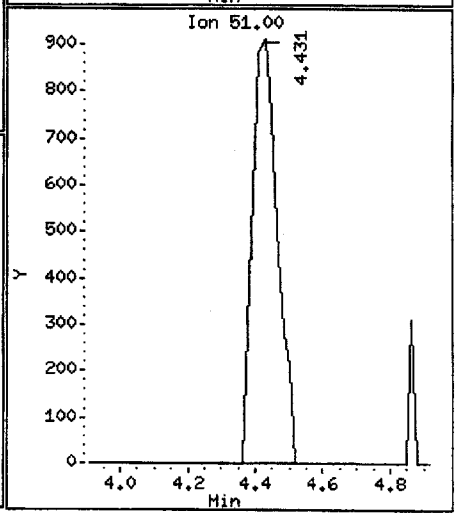


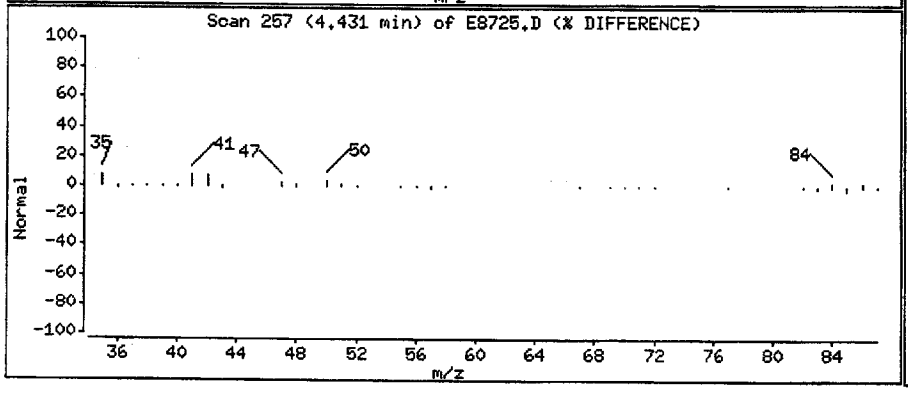












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Date : 25-SEP-2009 15:47

Client ID: 05-055-06166 (ROHR

Instrument: E.i

Sample Info: LK2541AD, ,D9I180162-1 pH<2

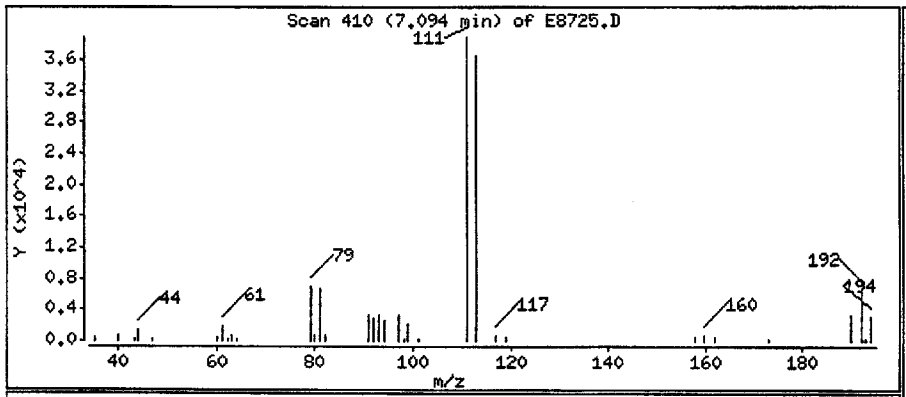
Operator: ZhouH

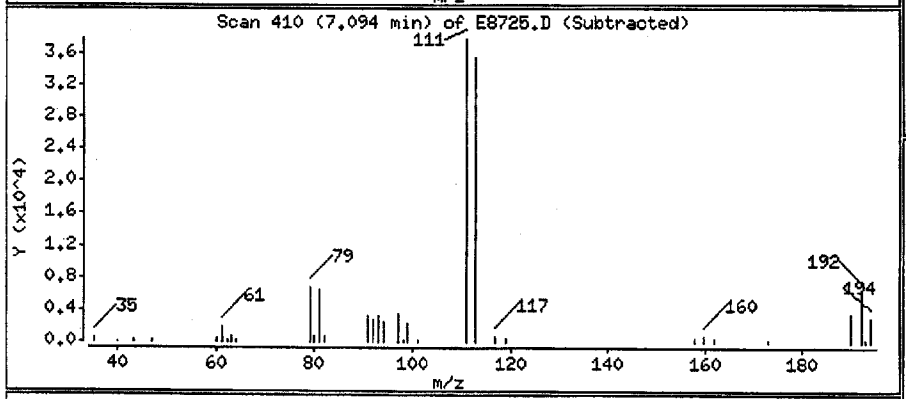
Column phase: DB624

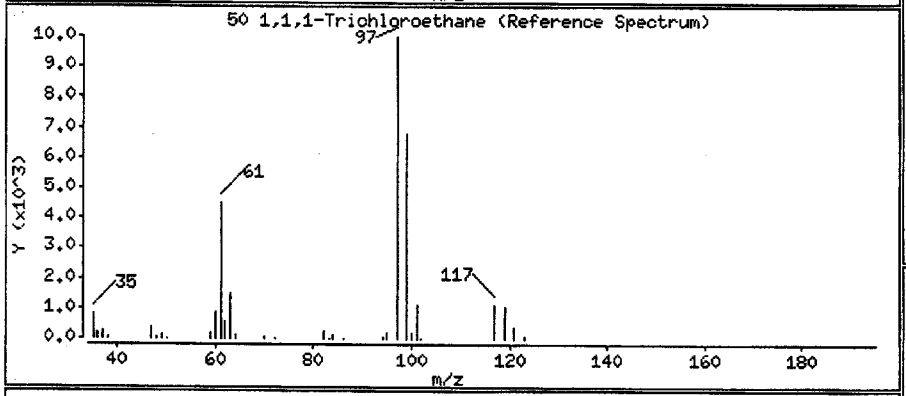
Column diameter: 0.53

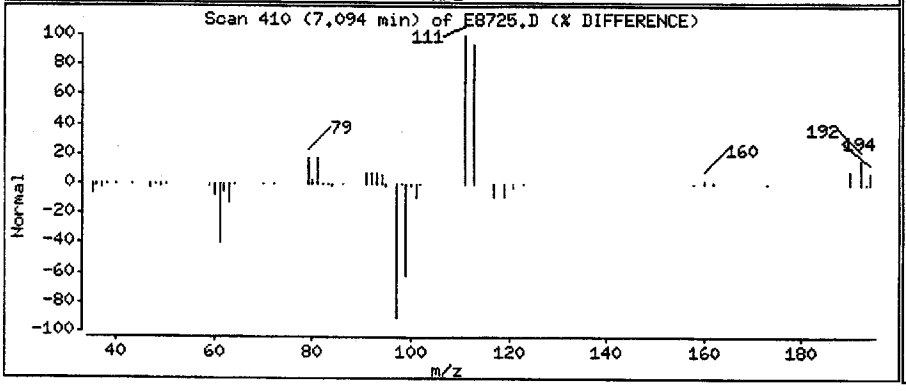
50 1,1,1-Trichloroethane

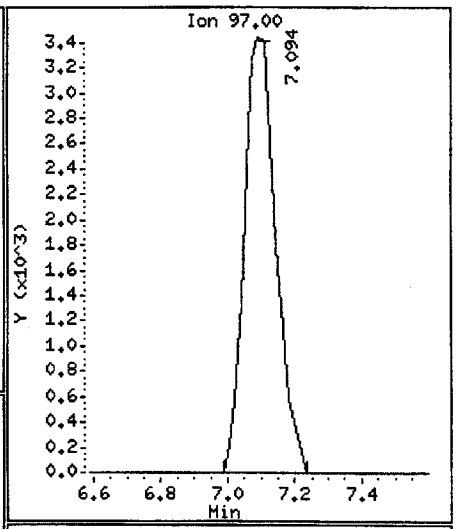
Concentration: 0.583282 ug/L

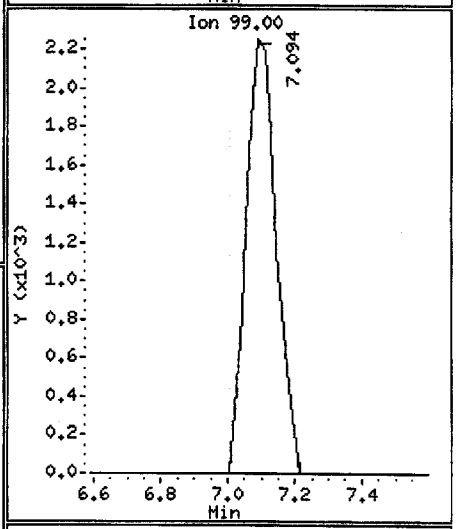


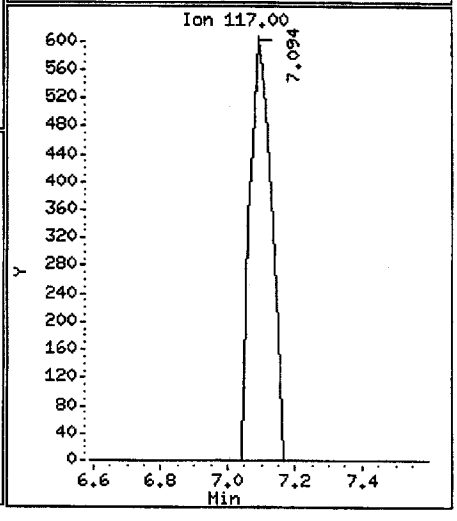












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8725.D

Date : 25-SEP-2009 15:47

Client ID: 05-055-06166 (ROHR

Instrument: E.i

Sample Info: LK2541AD, ,D9I180162-1 pH<2

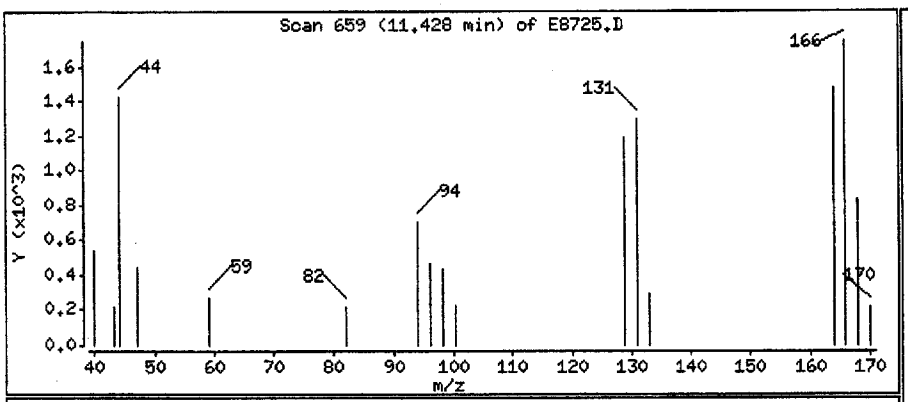
Operator: ZhouH

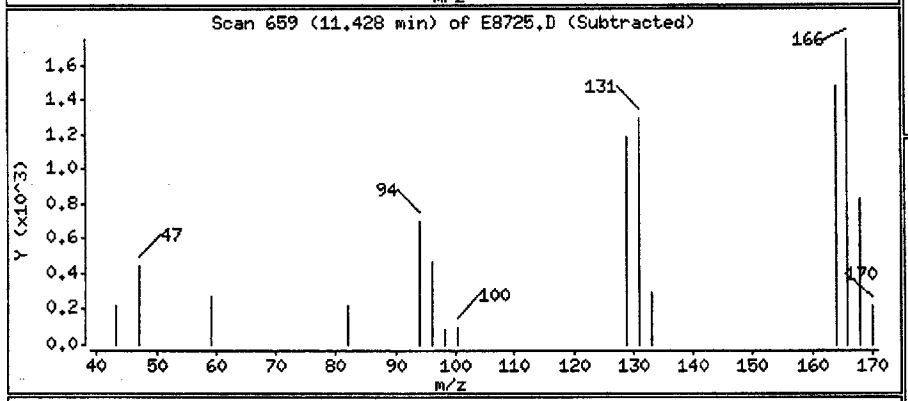
Column phase: DB624

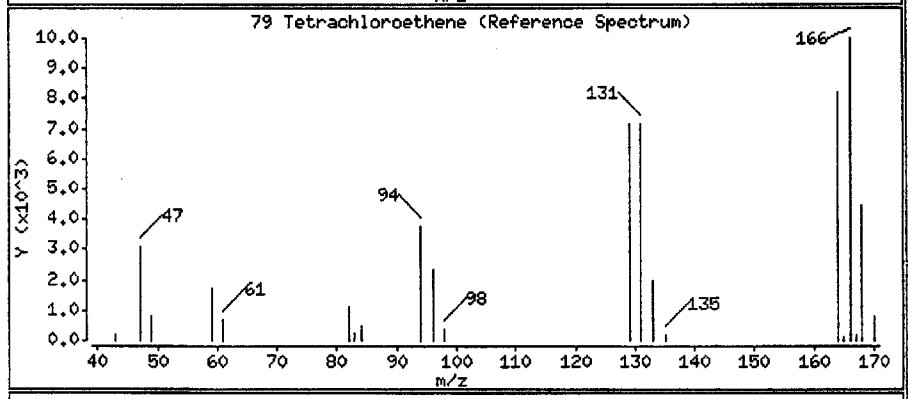
Column diameter: 0.53

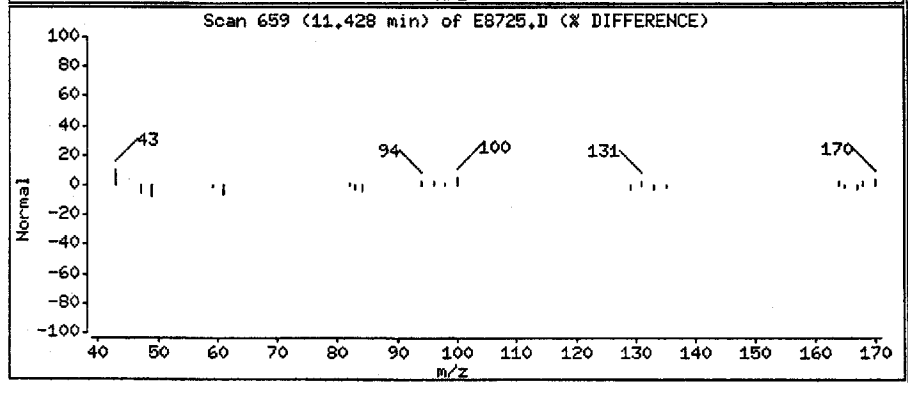
79 Tetrachloroethene

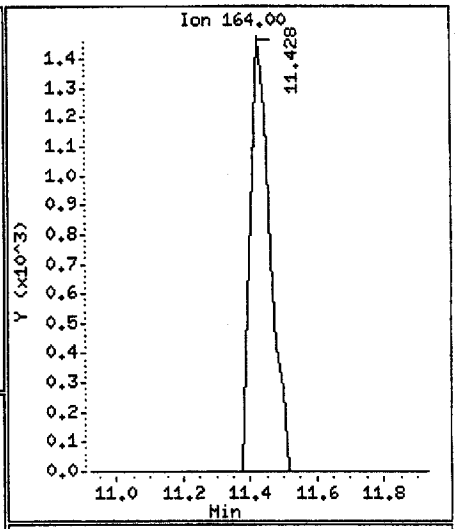
Concentration: 0.213751 ug/L

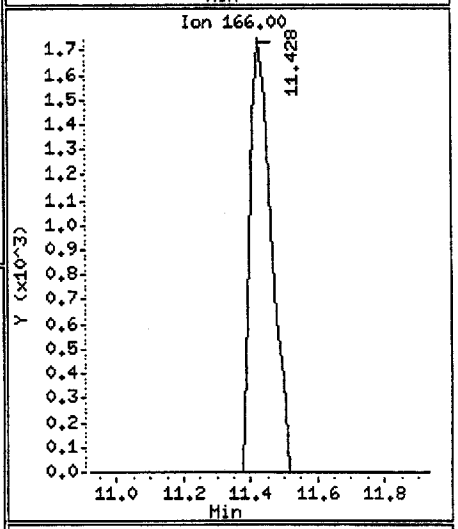


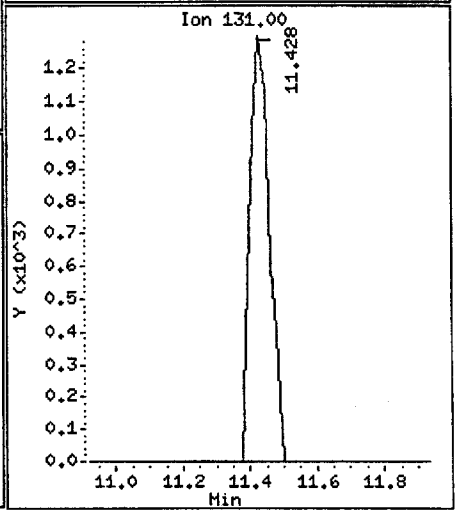












Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Volatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AP **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:37 **Date Received..:** 09/18/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 16:12
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**1.1**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	6.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	3.0	ug/L
trans-1,4-Dichloro-2-butene	ND	3.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	3.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L
Methylene chloride	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Volatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AP **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
Vinyl acetate	ND	3.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
Acetonitrile	ND	30	ug/L
Allyl chloride	ND	2.0	ug/L
Chloroprene	ND	1.0	ug/L
Propionitrile	ND	20	ug/L
Methacrylonitrile	ND	10	ug/L
Isobutyl alcohol	ND	110	ug/L
Methyl methacrylate	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
4-Isopropyltoluene	ND	1.0	ug/L
Naphthalene	**1.5**	**1.0**	**ug/L**
n-Propylbenzene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Volatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AP **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(79 - 120)
1,2-Dichloroethane-d4	103	(65 - 126)
4-Bromofluorobenzene	103	(75 - 120)
Toluene-d8	94	(78 - 120)

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D
Lab Smp Id: LK27H1AP Client Smp ID: 05-055-06290 (ROHR
Inj Date : 25-SEP-2009 16:12
Operator : ZhouH Inst ID: E.i
Smp Info : LK27H1AP, ,D9I180162-2 pH<2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Meth Date : 27-Sep-2009 06:46 zhouh Quant Type: ISTD
Cal Date : 24-JUL-2009 13:31 Cal File: E7447.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: qk-01.sub
Target Version: 4.14
Processing Host: DENPC259

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 58 Fluorobenzene	96	8.190	8.190	(1.000)	872203	10.0000	
* 84 Chlorobenzene-d5	119	12.646	12.645	(1.000)	187210	10.0000	
* 109 1,4-Dichlorobenzene-d4	152	15.674	15.674	(1.000)	272698	10.0000	
$ 48 Dibromofluoromethane	111	7.111	7.110	(0.868)	320509	9.62130	9.62130
$ 54 1,2-Dichloroethane-d4	65	7.720	7.720	(0.943)	149566	10.3083	10.3083
$ 72 Toluene-d8	98	10.575	10.574	(0.836)	807931	9.44618	9.44618
$ 95 Bromofluorobenzene	95	14.264	14.264	(1.128)	391742	10.2621	10.2621
M 1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2 Xylene (total)	106				72998	1.75956	1.75956
M 3 1,3-Dichloropropene (total)	75	Compound Not Detected.					
M 4 Trihalomethanes (total)	83	Compound Not Detected.					
5 dichlorodifluoromethane	85	Compound Not Detected.					
6 Dichlorotetrafluoroethane	85	Compound Not Detected.					
7 Chloromethane	50	Compound Not Detected.					
8 Vinyl Chloride	62	Compound Not Detected.					
9 Ethylene Oxide	43	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
12 Dichlorofluoromethane	67	Compound Not Detected.					
14 Trichlorofluoromethane	101	Compound Not Detected.					
13 Ethanol	45	Compound Not Detected.					
15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
16 Ethyl Ether	59	Compound Not Detected.					
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Acetone	43	Compound Not Detected.					
20 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 2-propanol	45	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
24 Iodomethane	142	Compound Not Detected.					
25 Acetonitrile	41	Compound Not Detected.					
23 Methyl Acetate	43	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	Compound Not Detected.					
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
41 Propionitrile	54	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
44 Methacrylonitrile	41	Compound Not Detected.					
45 Bromochloromethane	128	Compound Not Detected.					
46 Chloroform	83	Compound Not Detected.					
47 Tetrahydrofuran	42	Compound Not Detected.					
50 1,1,1-Trichloroethane	97	7.094	7.093	(0.866)	24958	0.59720	0.597201(a)
49 Isobutanol	41	Compound Not Detected.					
51 Cyclohexane	56	7.094	7.076	(0.866)	12903	0.22580	0.225796(a)
52 1,1-Dichloropropene	75	Compound Not Detected.					
53 Carbon Tetrachloride	117	Compound Not Detected.					
55 1,2-Dichloroethane	62	Compound Not Detected.					
57 Benzene	78	7.703	7.702	(0.941)	91547	1.12216	1.12216
56 TAME	73	Compound Not Detected.					
59 n-Butanol	56	Compound Not Detected.					
60 Trichloroethene	130	Compound Not Detected.					
61 2-Pentanone	43	Compound Not Detected.					
62 Methyl Methacrylate	100	Compound Not Detected.					
63 1,2-Dichloropropane	63	Compound Not Detected.					
64 Methyl Cyclohexane	55	8.938	8.938	(1.091)	11040	0.22083	0.220829(a)
65 1,4-Dioxane	88	Compound Not Detected.					
66 Dibromomethane	93	Compound Not Detected.					
67 Bromodichloromethane	83	Compound Not Detected.					
68 2-nitropropane	41	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 cis-1,3-Dichloropropene	75	Compound Not Detected.					
71 4-Methyl-2-pentanone	43	Compound Not Detected.					
73 Toluene	91	10.679	10.661	(0.844)	67126	0.66638	0.666377(a)
75 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
74	Ethyl methacrylate	69	Compound Not Detected.					
76	1,1,2-Trichloroethane	97	Compound Not Detected.					
77	2-Hexanone	43	Compound Not Detected.					
78	1,3-Dichloropropane	76	Compound Not Detected.					
79	Tetrachloroethene	164	11.427	11.427	(0.904)	5670	0.19006	0.190061(a)
80	Dibromochloromethane	129	Compound Not Detected.					
81	Tetrahydrothiophene	60	Compound Not Detected.					
82	1,2-Dibromoethane	107	Compound Not Detected.					
83	1-Chlorohexane	91	Compound Not Detected.					
85	Chlorobenzene	112	Compound Not Detected.					
86	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
87	Ethylbenzene	106	12.802	12.802	(1.012)	12045	0.38100	0.380996(a)
88	m and p-Xylene	106	12.976	12.976	(1.026)	50736	1.16735	1.16734(a)
89	o-Xylene	106	13.516	13.515	(1.069)	22262	0.59221	0.592214
90	Styrene	104	Compound Not Detected.					
91	Bromoform	173	Compound Not Detected.					
92	isopropyl benzene	105	Compound Not Detected.					
93	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
94	Cyclohexanone	55	Compound Not Detected.					
96	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
97	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
98	1,2,3-Trichloropropane	110	Compound Not Detected.					
99	Bromobenzene	156	Compound Not Detected.					
100	n-Propylbenzene	120	Compound Not Detected.					
101	2-Chlorotoluene	126	Compound Not Detected.					
102	1,3,5-Trimethylbenzene	105	14.787	14.786	(0.943)	17314	0.19815	0.198153(a)
103	4-Chlorotoluene	126	Compound Not Detected.					
104	tert-Butylbenzene	119	Compound Not Detected.					
105	1,2,4-Trimethylbenzene	105	15.256	15.256	(0.973)	56784	0.71839	0.718394(aQ)
106	sec-Butylbenzene	134	Compound Not Detected.					
107	4-Isopropyltoluene	119	Compound Not Detected.					
108	m-Dichlorobenzene	146	Compound Not Detected.					
110	p-dichlorobenzene	146	Compound Not Detected.					
111	1,2,3-Trimethylbenzene	105	15.726	15.726	(1.003)	51380	0.73714	0.737140(a)
112	n-Butylbenzene	91	Compound Not Detected.					
113	o-Dichlorobenzene	146	Compound Not Detected.					
114	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
115	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
116	Hexachlorobutadiene	225	Compound Not Detected.					
117	Naphthalene	128	18.006	18.006	(1.149)	38794	1.54908	1.54908
118	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: E.i
Lab File ID: E8726.D
Lab Smp Id: LK27H1AP
Analysis Type: VOA
Quant Type: ISTD
Operator: ZhouH
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

Calibration Date: 25-SEP-2009
Calibration Time: 08:49
Client Smp ID: 05-055-06290 (R
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	733787	366894	1467574	872203	18.86
84 Chlorobenzene-d5	163129	81565	326258	187210	14.76
109 1,4-Dichlorobenze	236601	118301	473202	272698	15.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	8.19	7.69	8.69	8.19	0.01
84 Chlorobenzene-d5	12.65	12.15	13.15	12.65	0.00
109 1,4-Dichlorobenze	15.67	15.17	16.17	15.67	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

RECOVERY REPORT

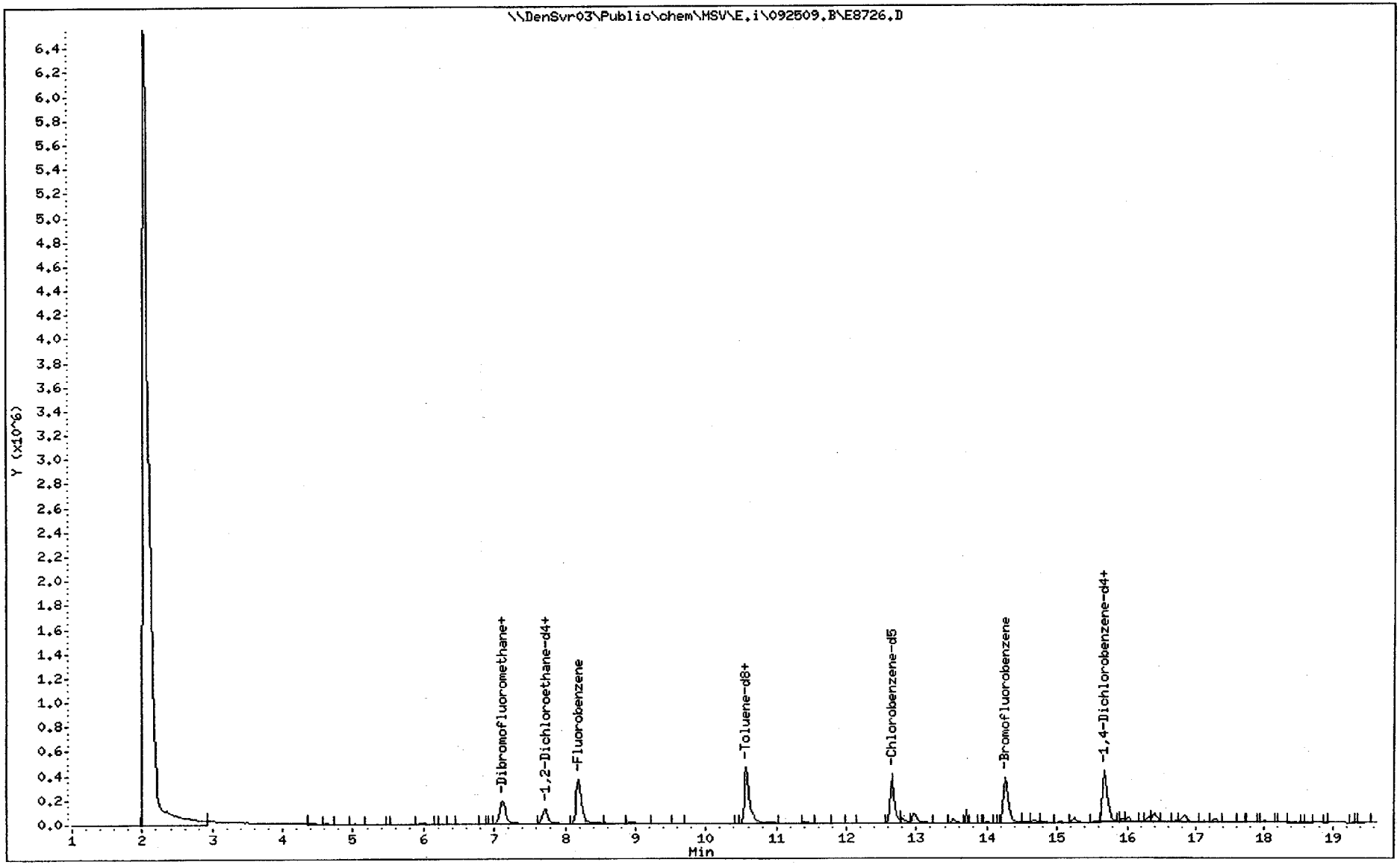
Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LK27H1AP Client Smp ID: 05-055-06290 (ROHR
Level: LOW Operator: ZhouH
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: dcs.spk Quant Type: ISTD
Sublist File: qk-01.sub
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 48 Dibromofluorometha	10.0000	9.62130	96.21	79-120
$ 54 1,2-Dichloroethane	10.0000	10.3083	103.08	65-126
$ 72 Toluene-d8	10.0000	9.44618	94.46	78-120
$ 95 Bromofluorobenzene	10.0000	10.2621	102.62	75-120

Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D
Date : 25-SEP-2009 16:12
Client ID: 05-055-06290 (ROHR
Sample Info: LK27H1AP, ,D9I180162-2 pH<2

Instrument: E.i
Operator: ZhouH
Column diameter: 0.53

Column phase: DB624



Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

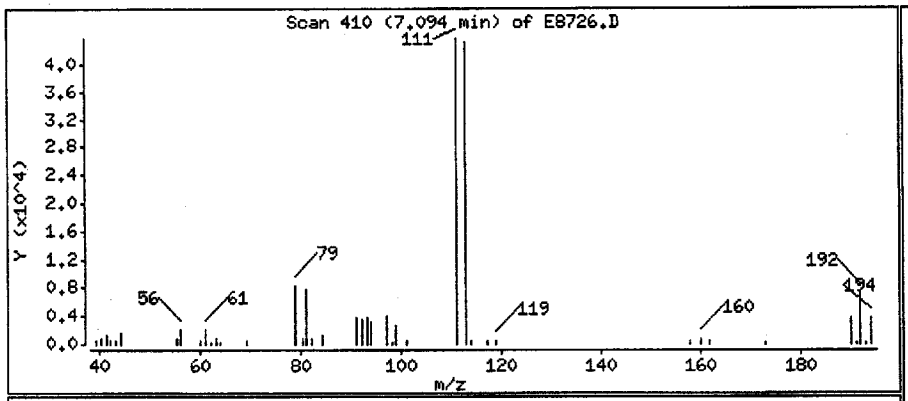
Operator: ZhouH

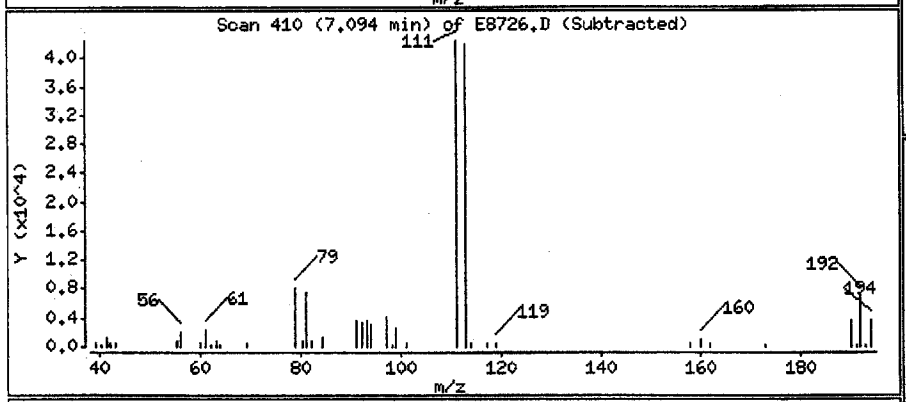
Column phase: DB624

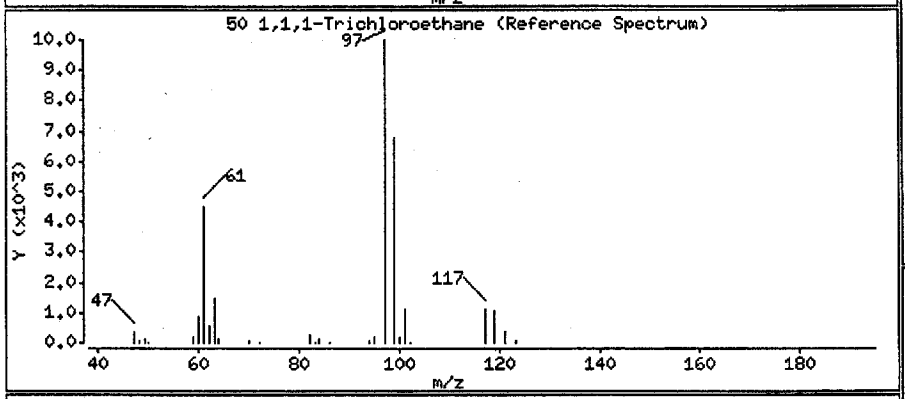
Column diameter: 0.53

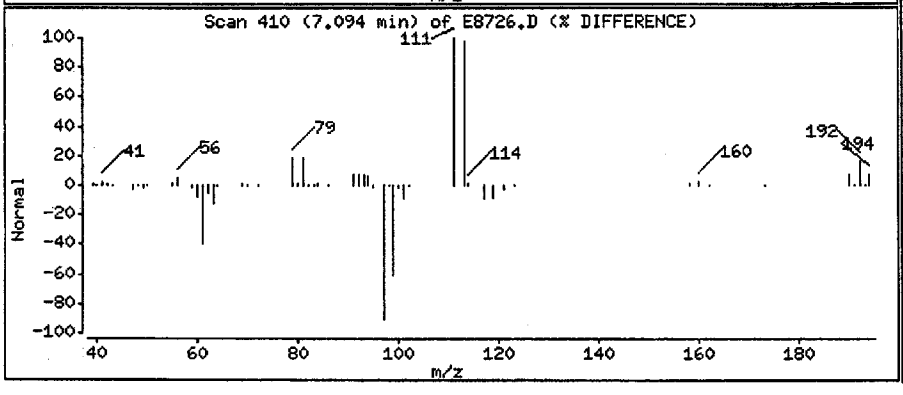
50 1,1,1-Trichloroethane

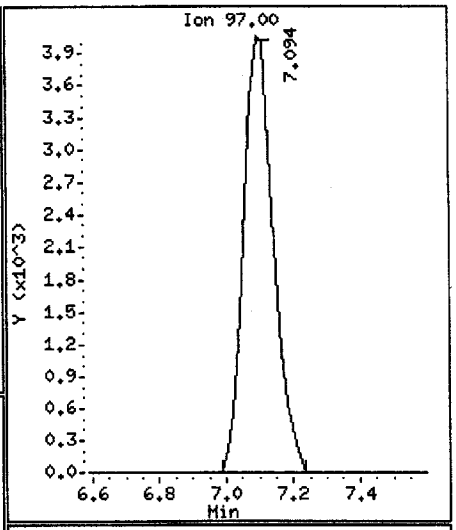
Concentration: 0.597201 ug/L

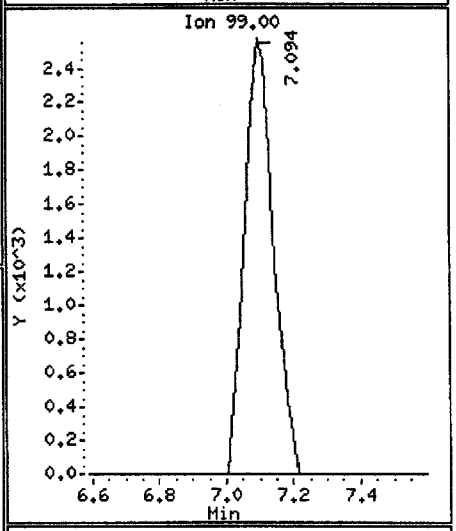


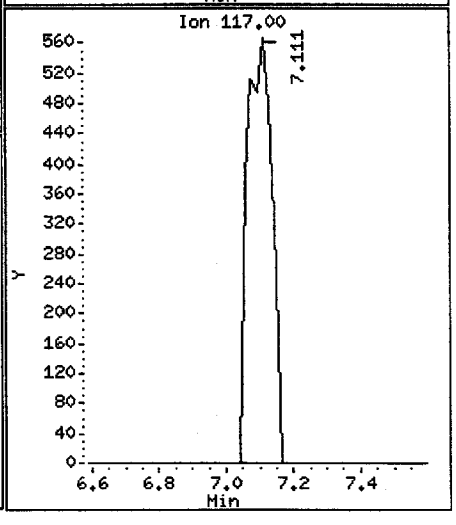












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

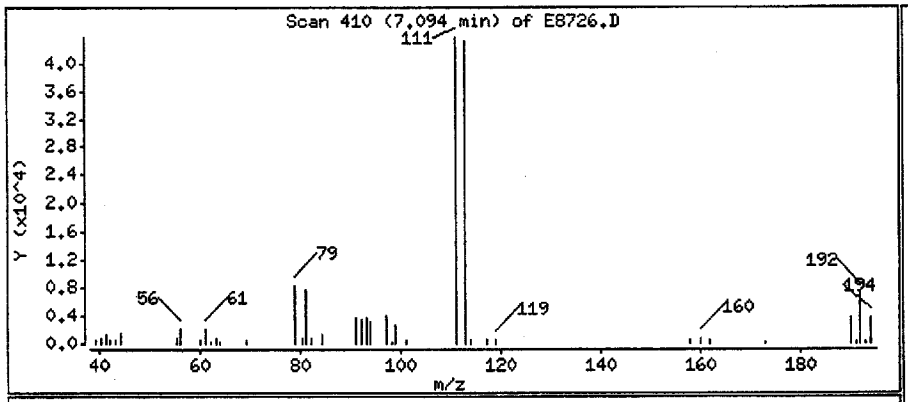
Operator: ZhouH

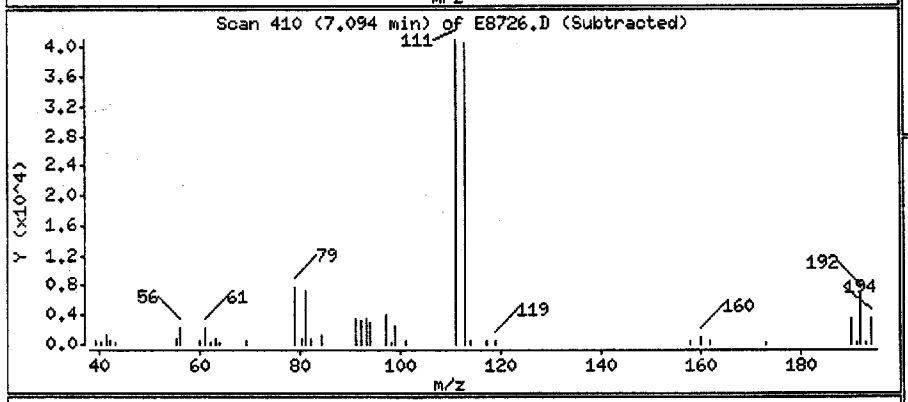
Column phase: DB624

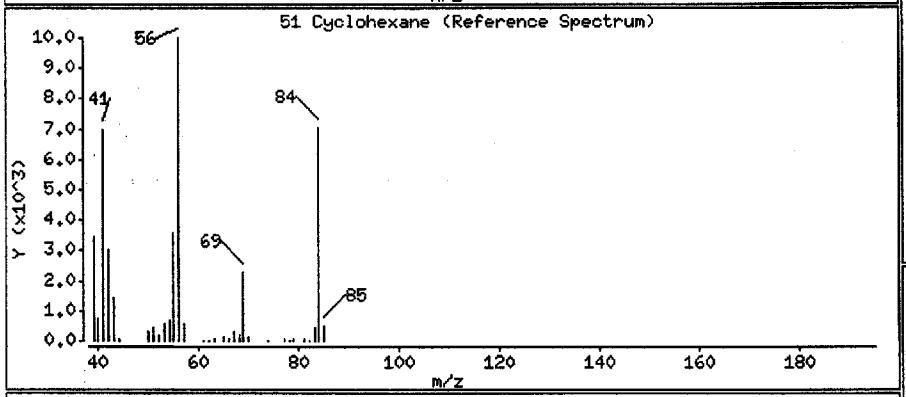
Column diameter: 0.53

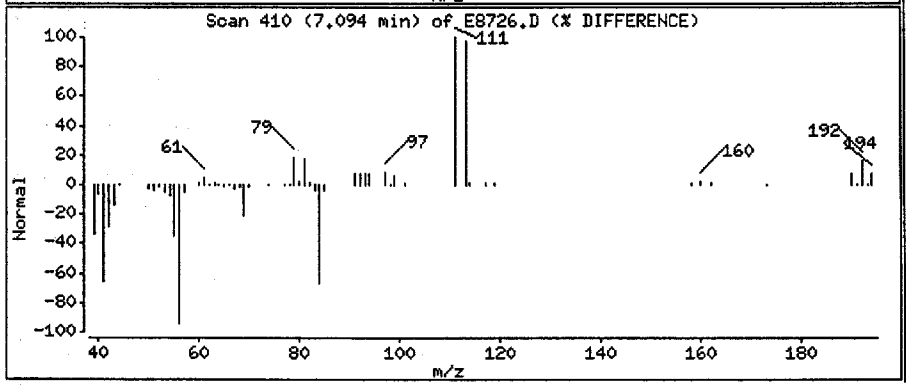
51 Cyclohexane

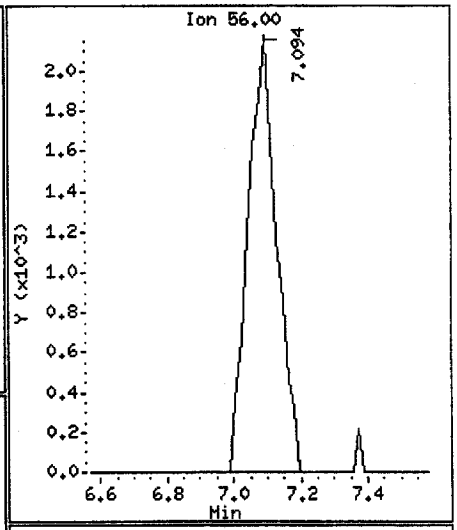
Concentration: 0.225796 ug/L

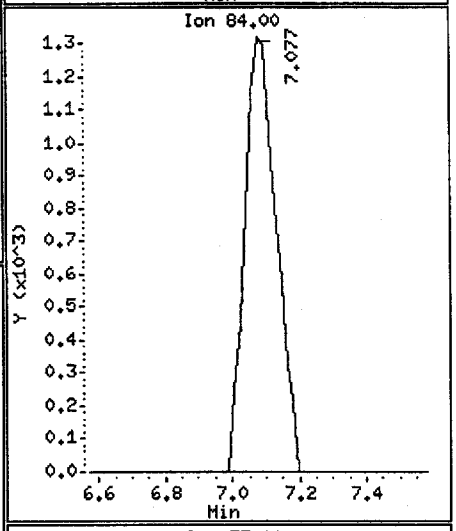


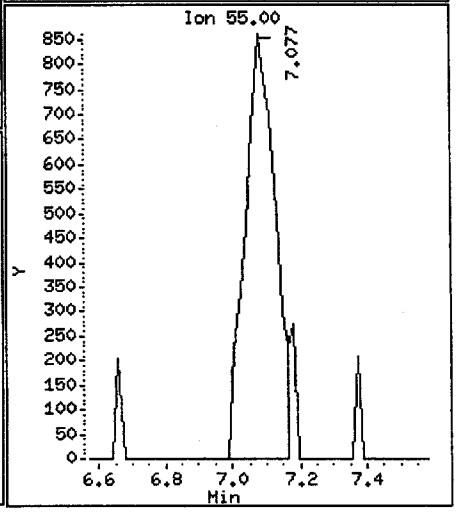












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

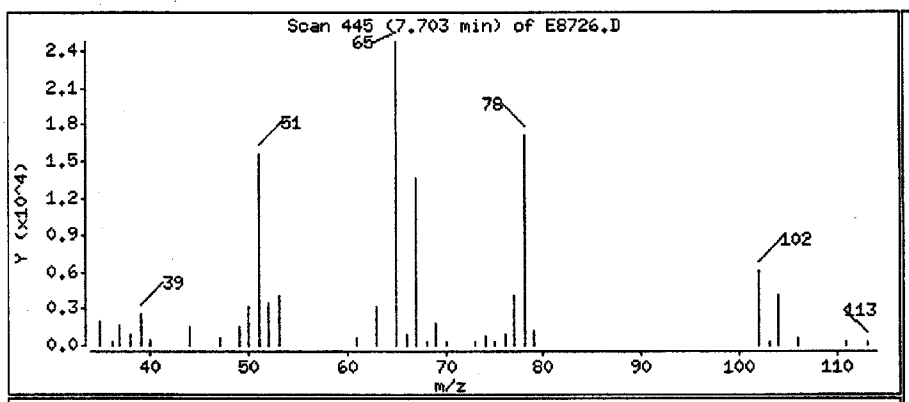
Operator: ZhouH

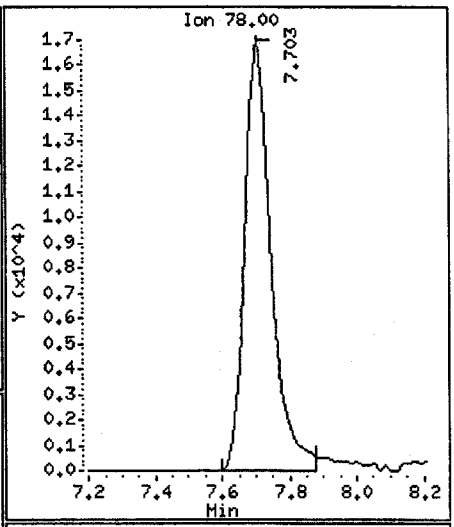
Column phase: DB624

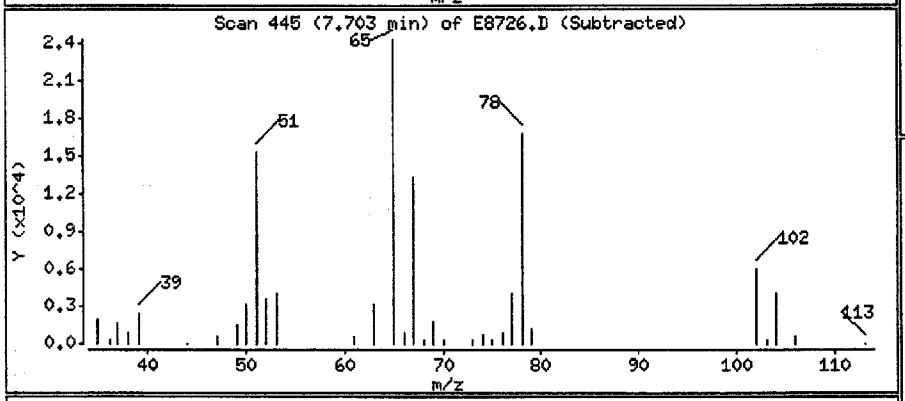
Column diameter: 0.53

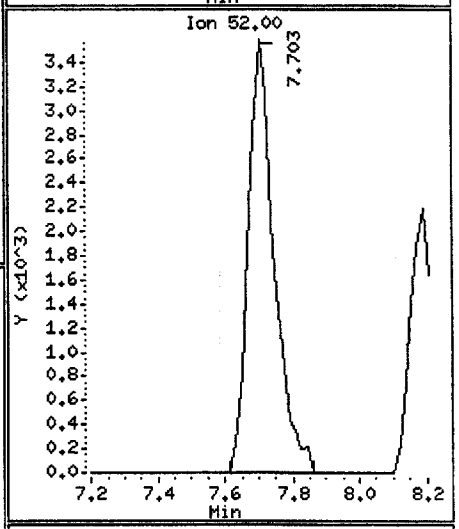
57 Benzene

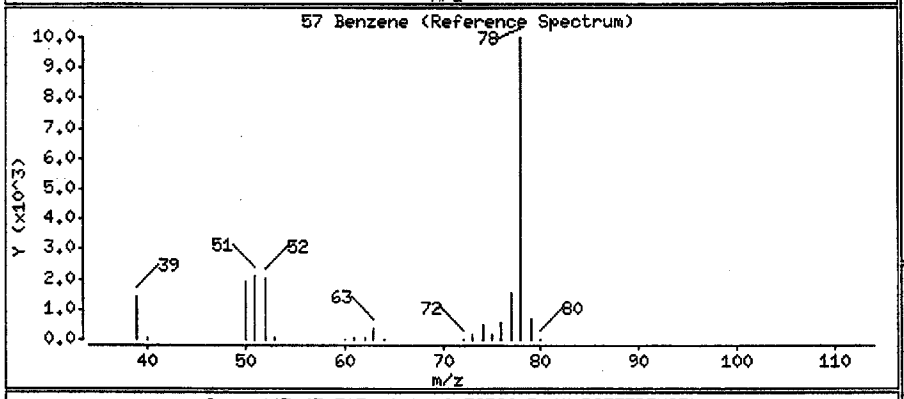
Concentration: 1.12216 ug/L

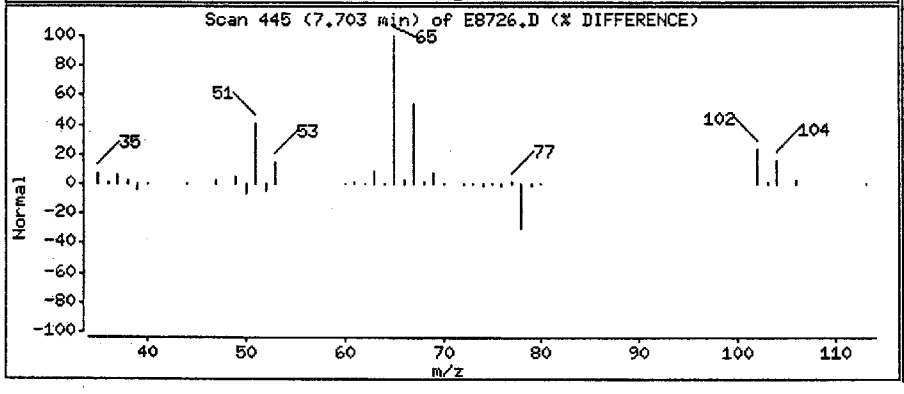


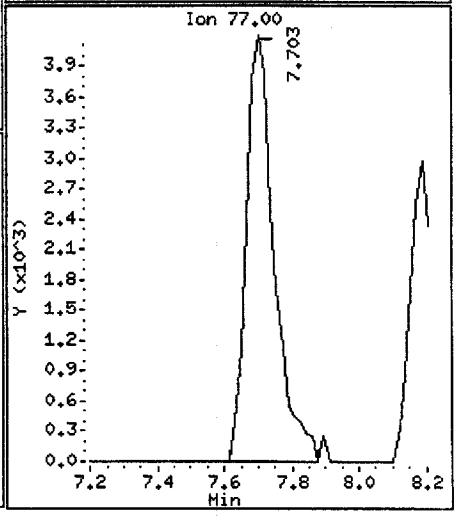












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

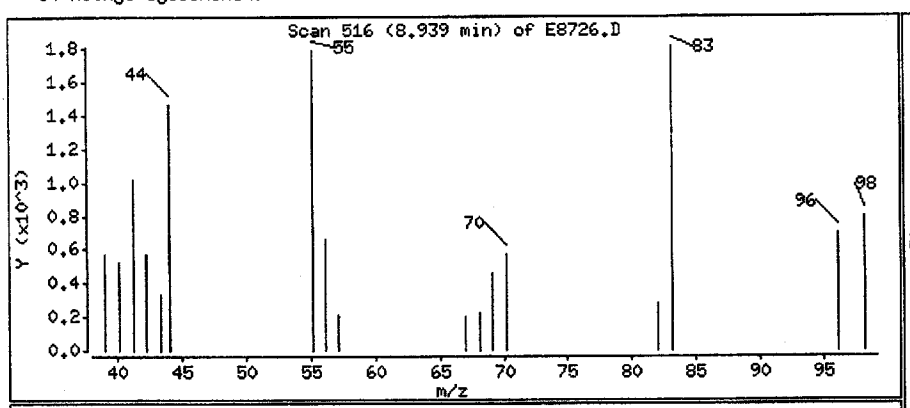
Operator: ZhouH

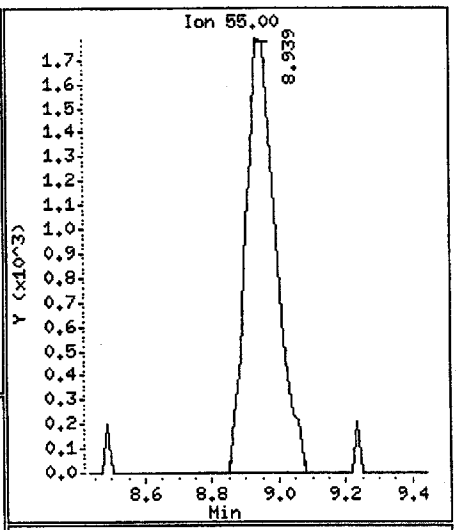
Column phase: DB624

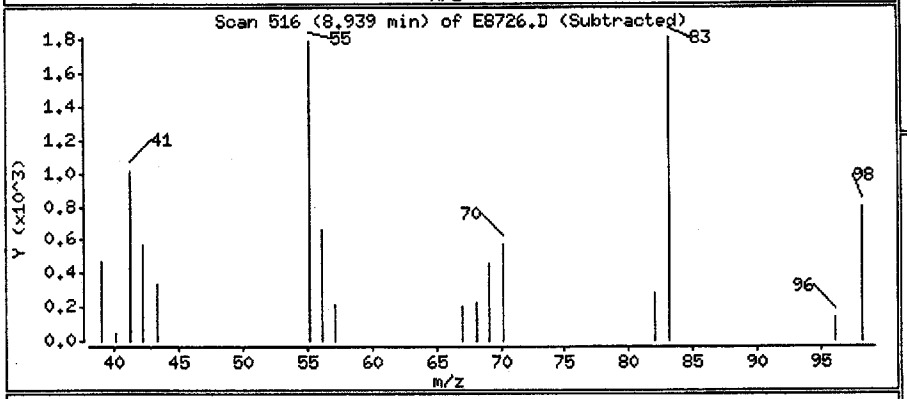
Column diameter: 0.53

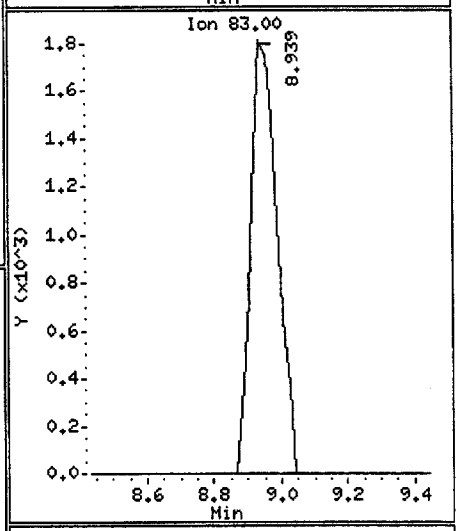
64 Methyl Cyclohexane

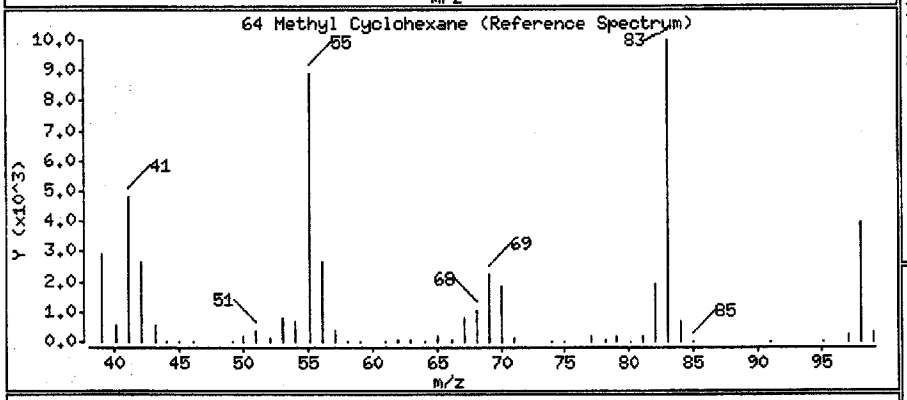
Concentration: 0.220829 ug/L

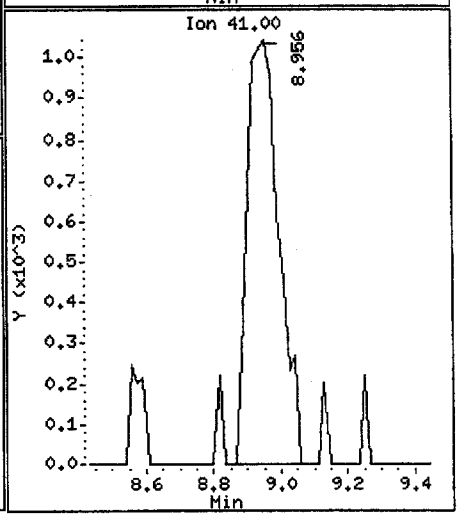


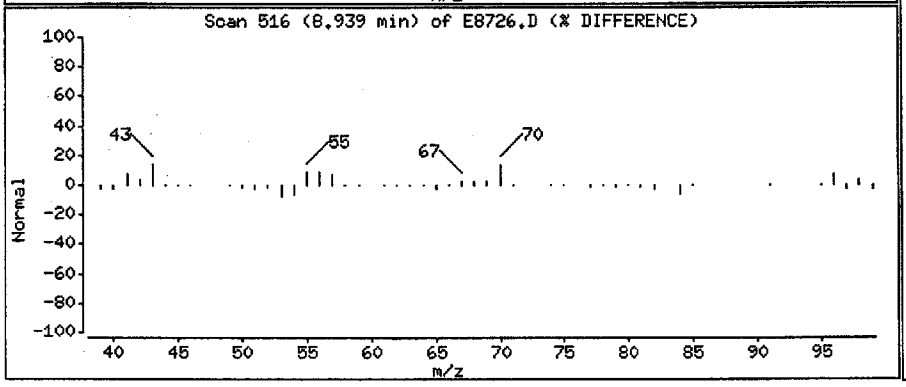












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

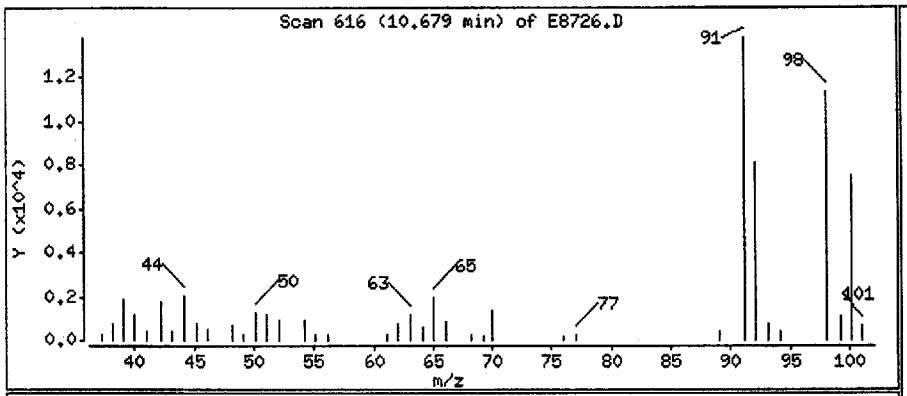
Operator: ZhouH

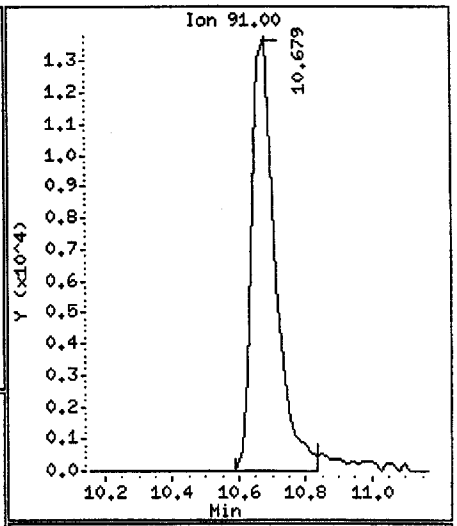
Column phase: DB624

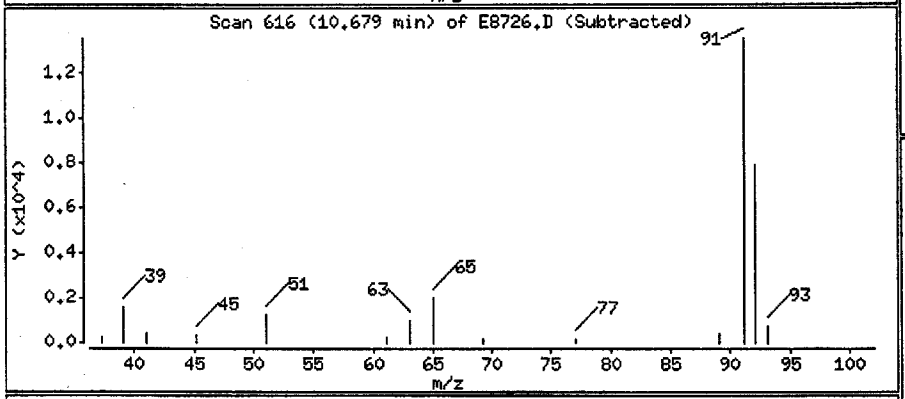
Column diameter: 0.53

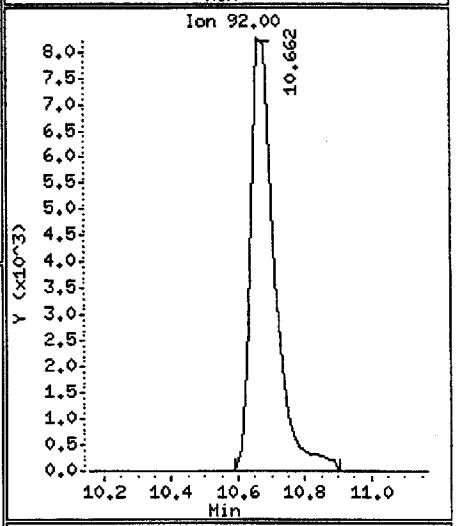
73 Toluene

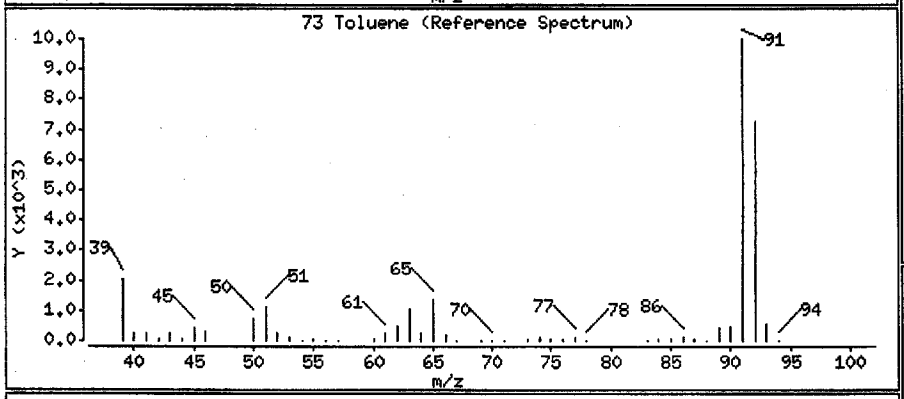
Concentration: 0.666377 ug/L

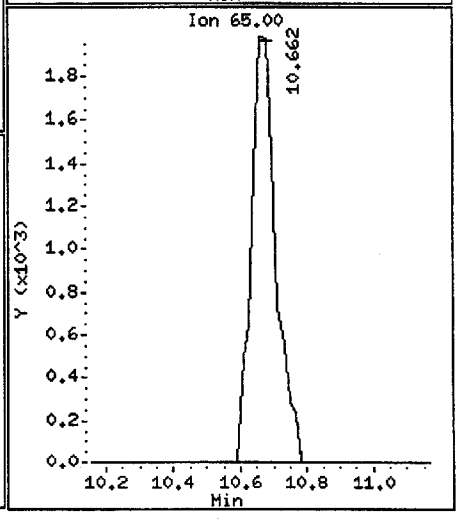


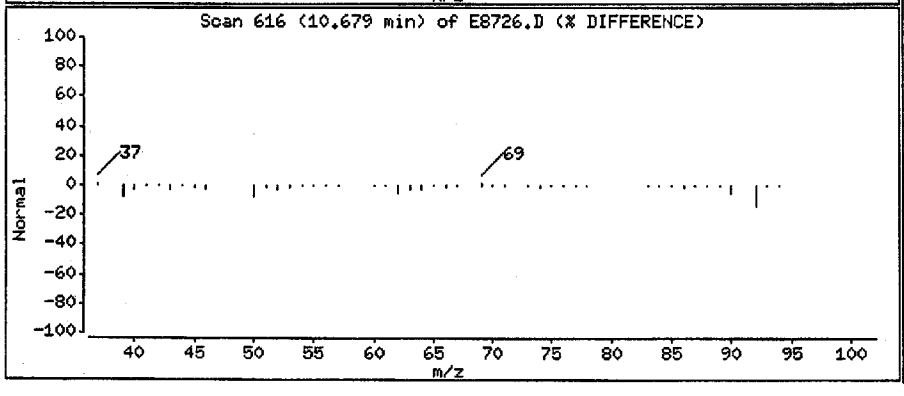












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

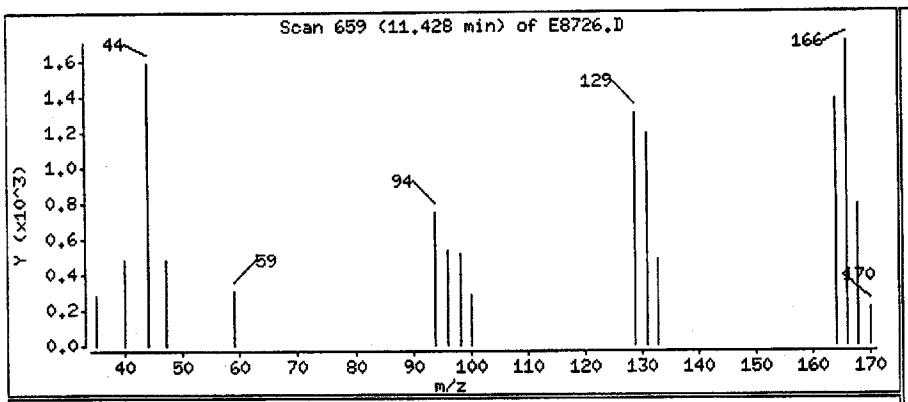
Operator: ZhouH

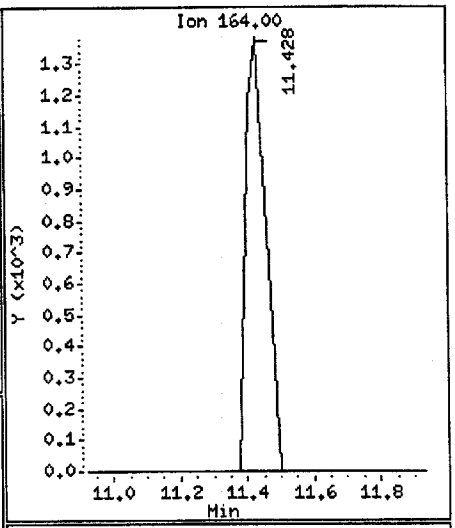
Column phase: DB624

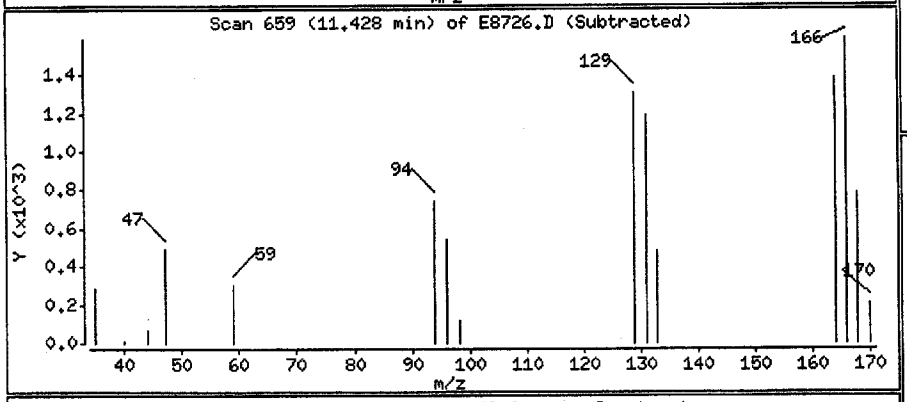
Column diameter: 0.53

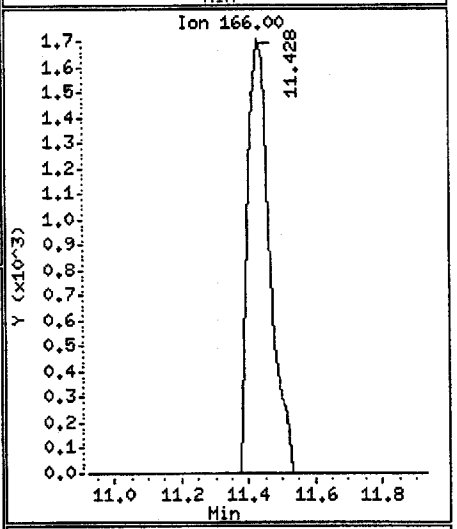
79 Tetrachloroethene

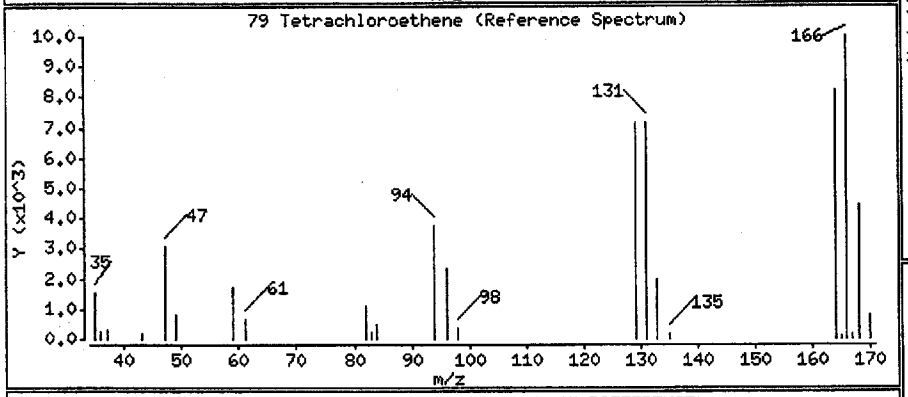
Concentration: 0.190061 ug/L

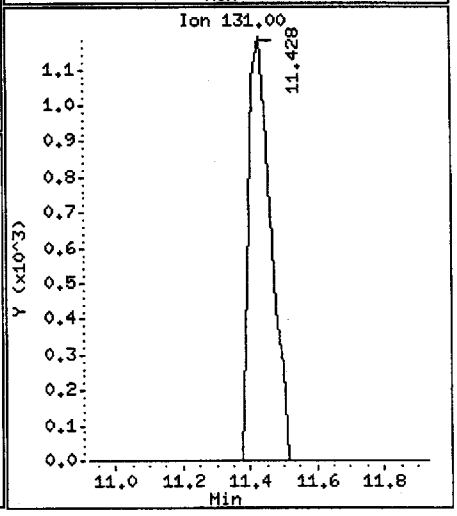


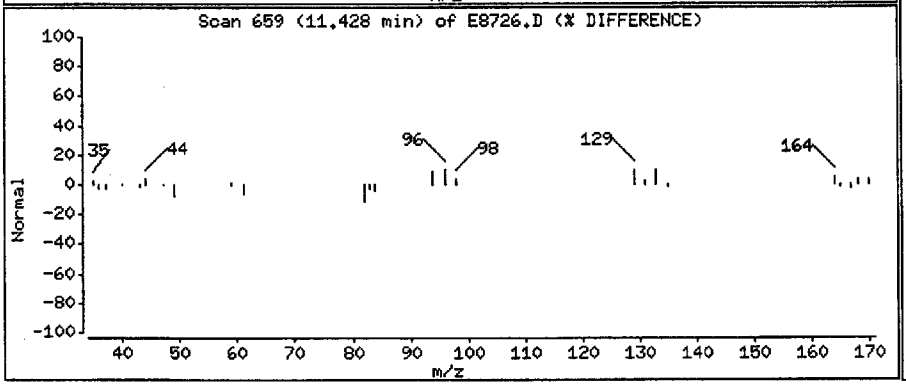












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

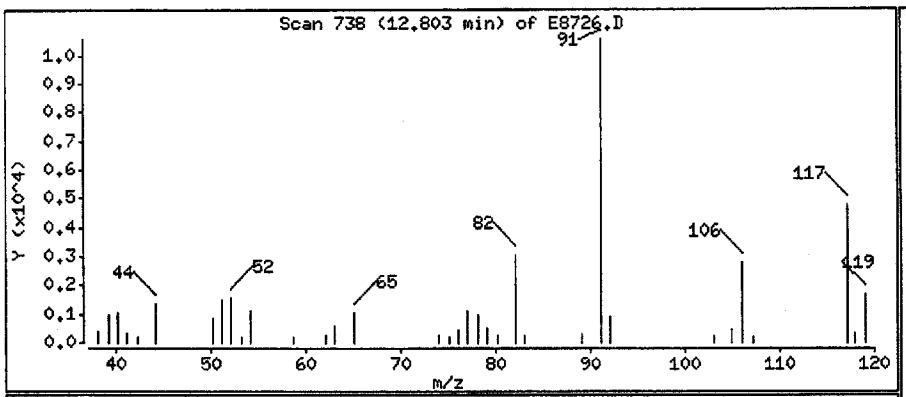
Operator: ZhouH

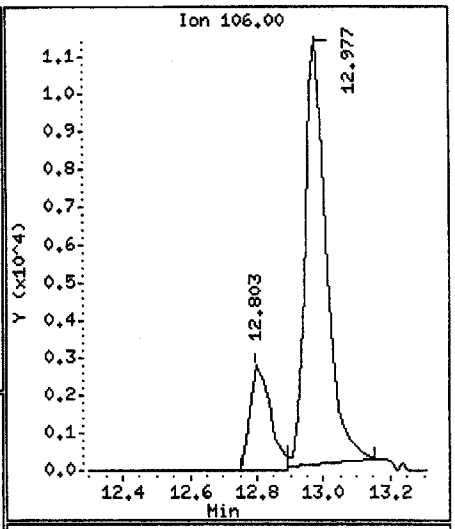
Column phase: DB624

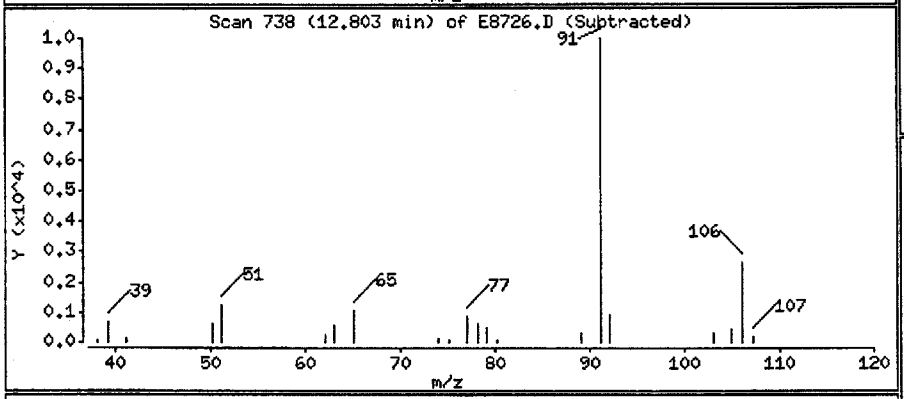
Column diameter: 0.53

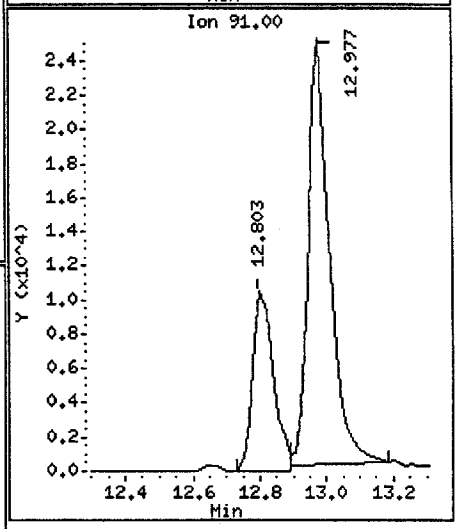
87 Ethylbenzene

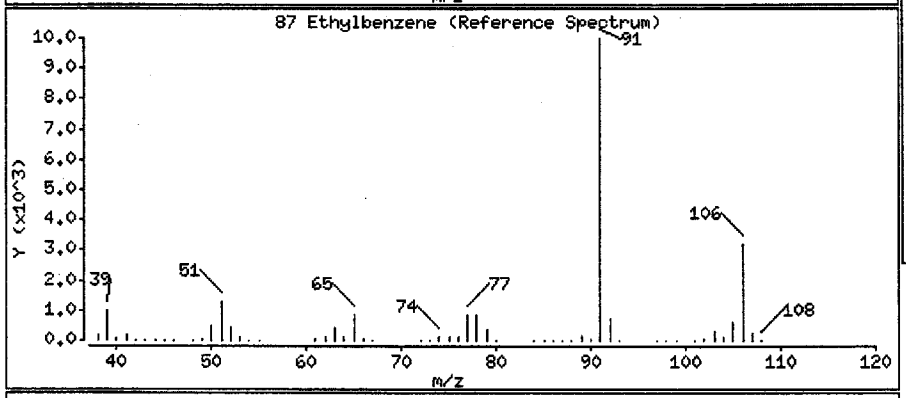
Concentration: 0.380996 ug/L

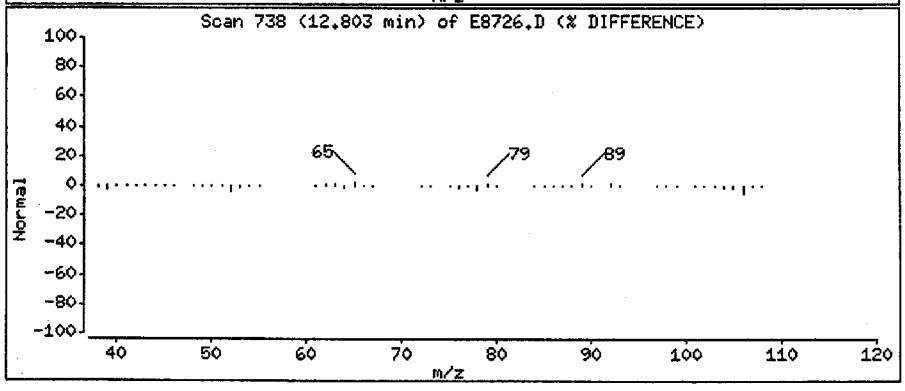












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

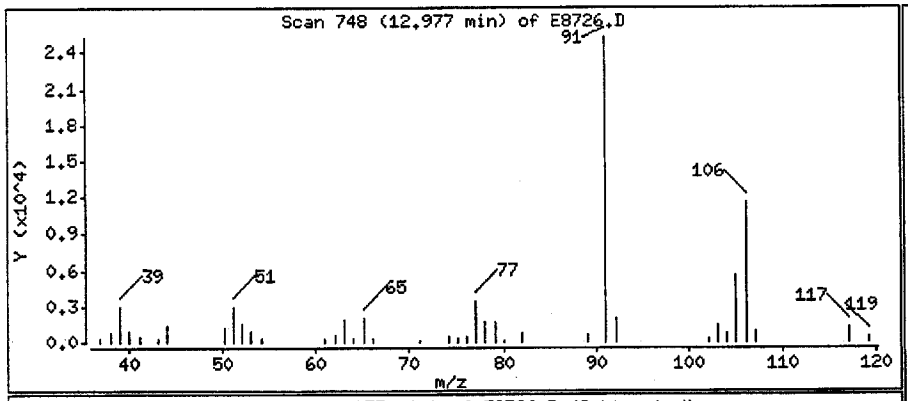
Operator: ZhouH

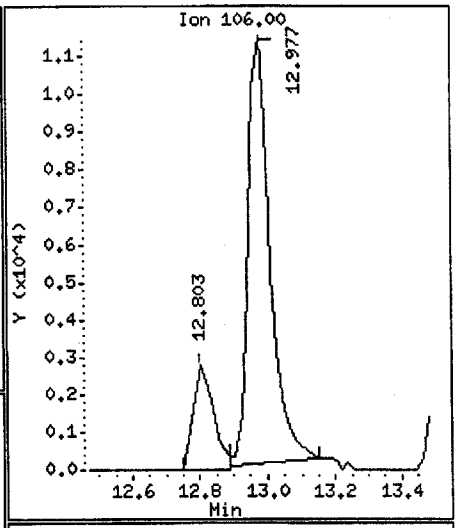
Column phase: DB624

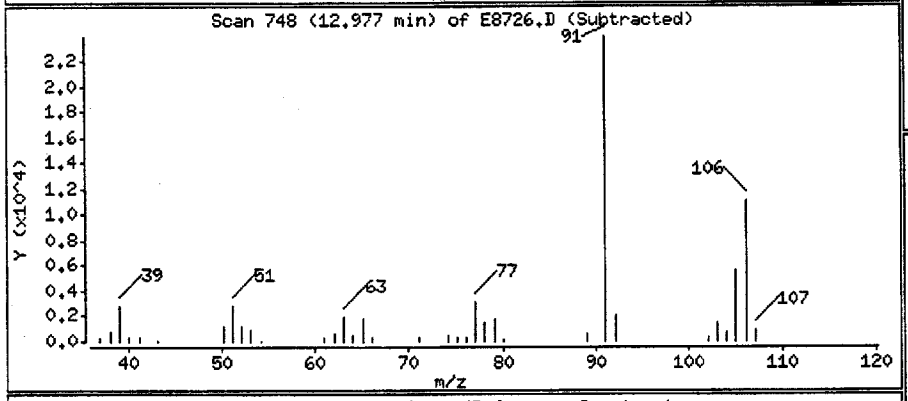
Column diameter: 0.53

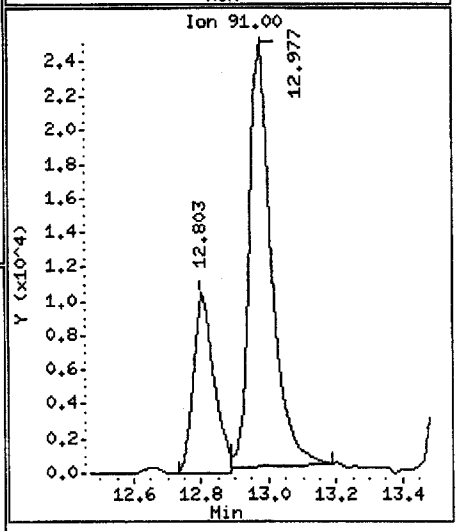
88 m and p-Xylene

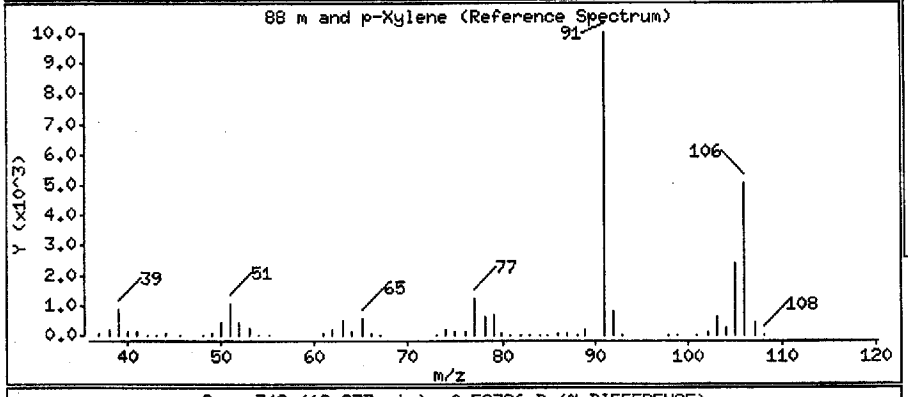
Concentration: 1.16734 ug/L

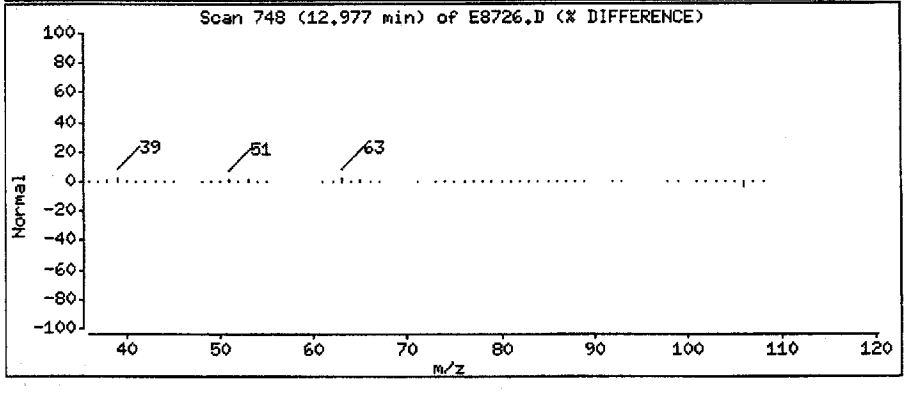












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

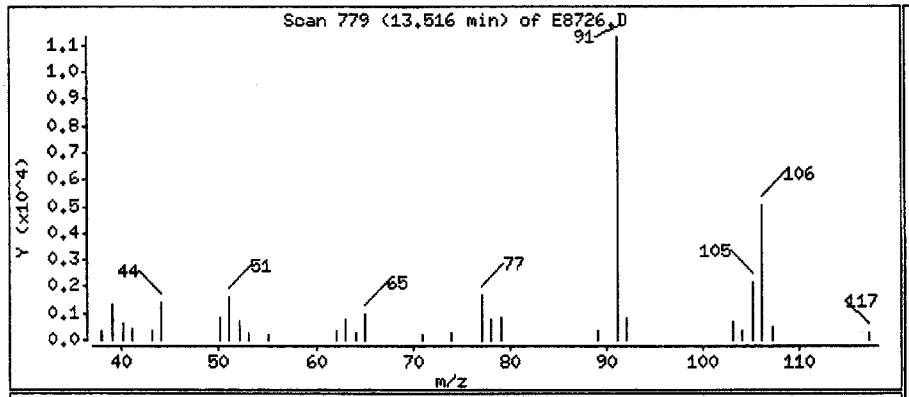
Operator: ZhouH

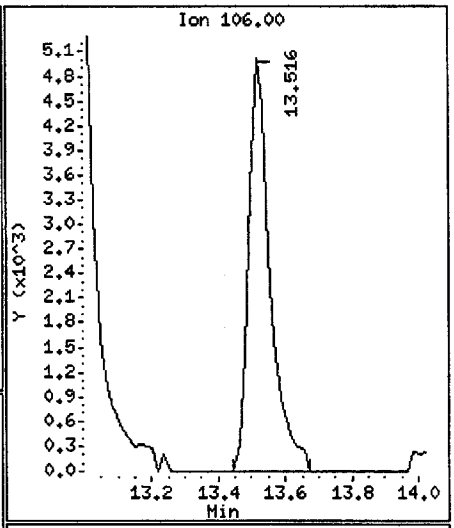
Column phase: DB624

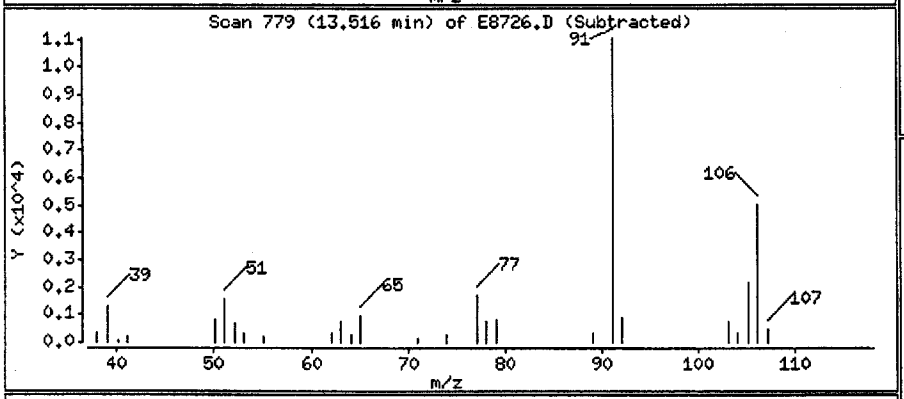
Column diameter: 0.53

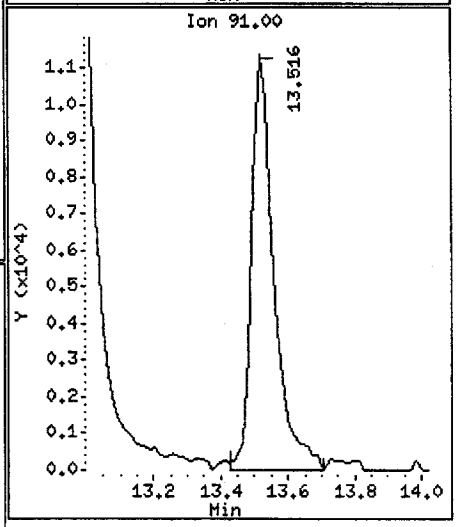
89 o-Xylene

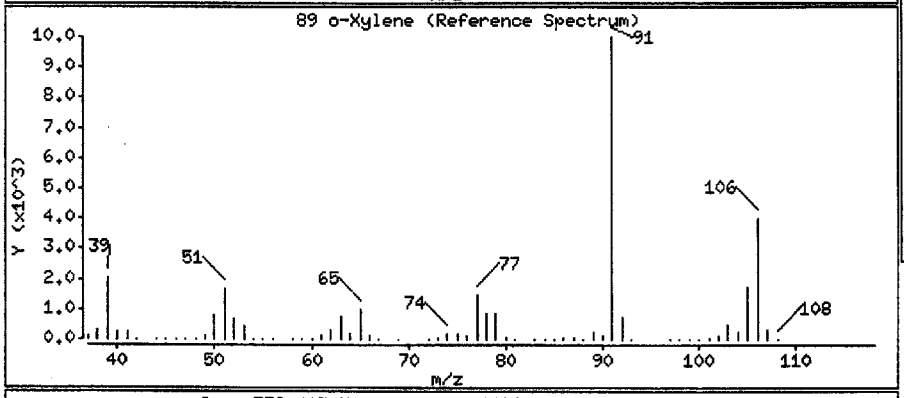
Concentration: 0.592214 ug/L

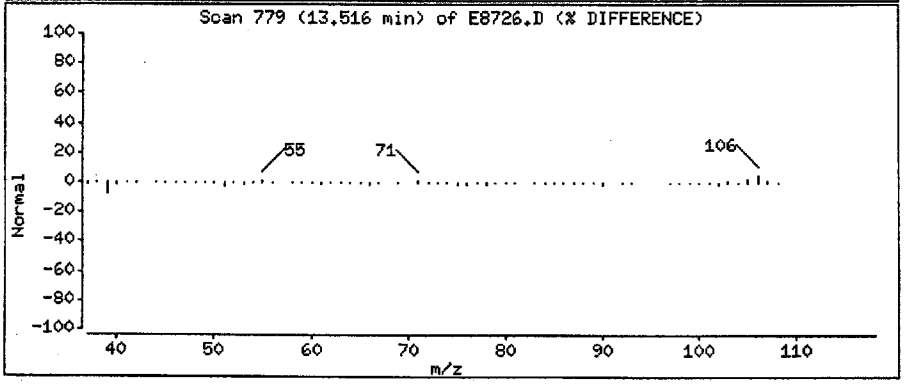












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

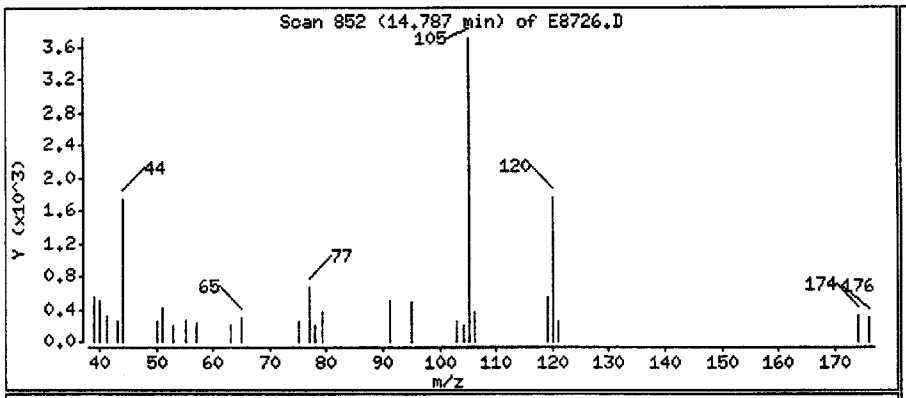
Operator: ZhouH

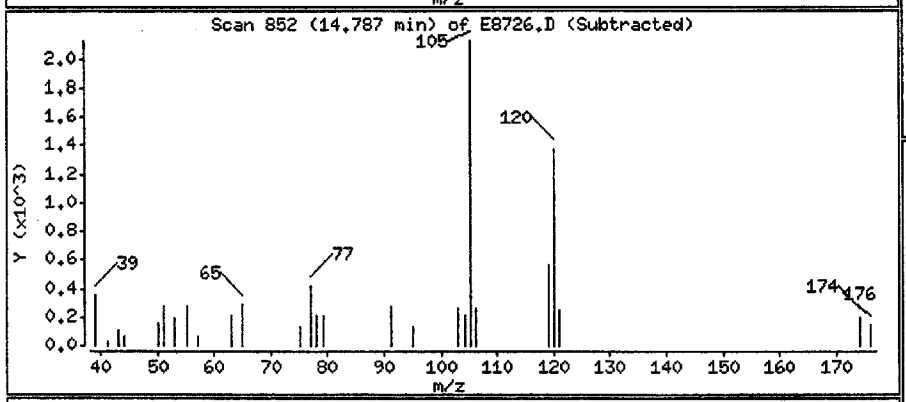
Column phase: DB624

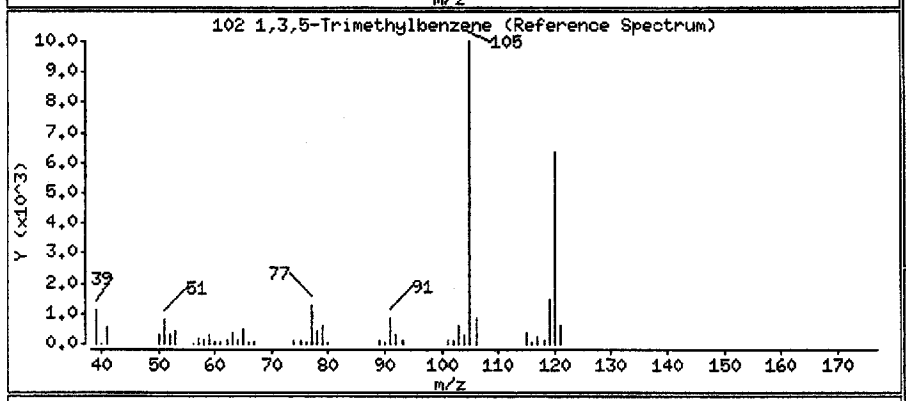
Column diameter: 0.53

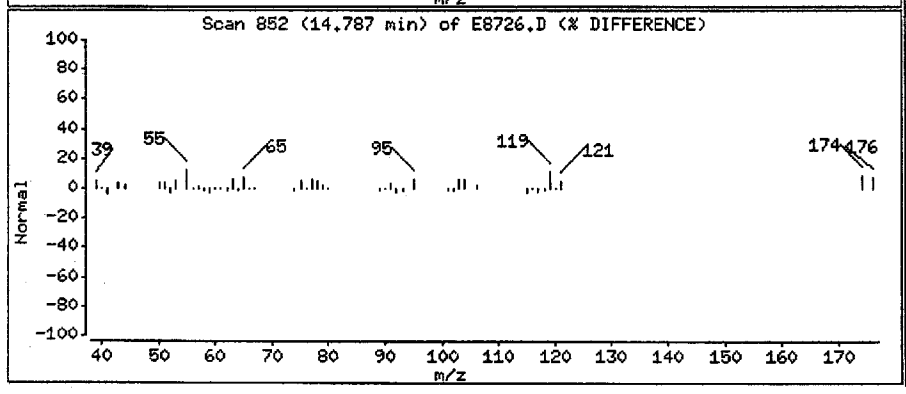
102 1,3,5-Trimethylbenzene

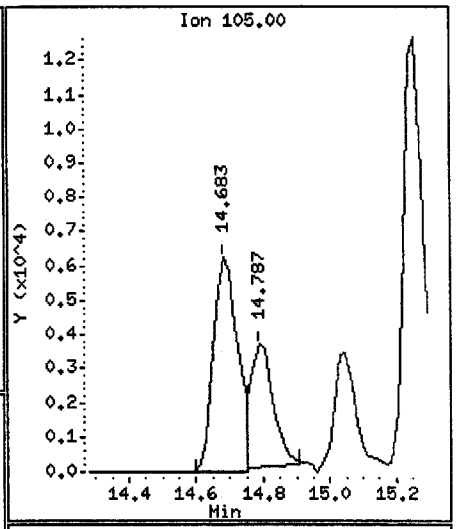
Concentration: 0.198153 ug/L

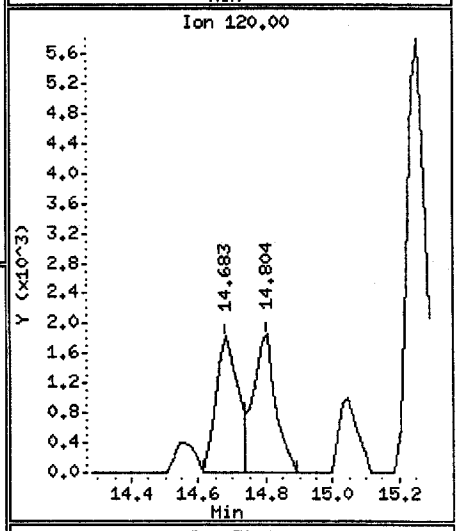


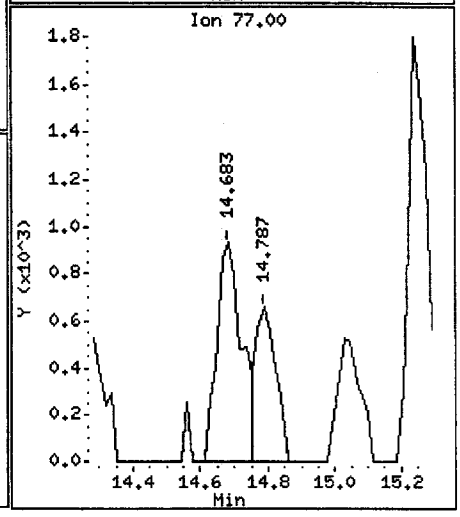












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

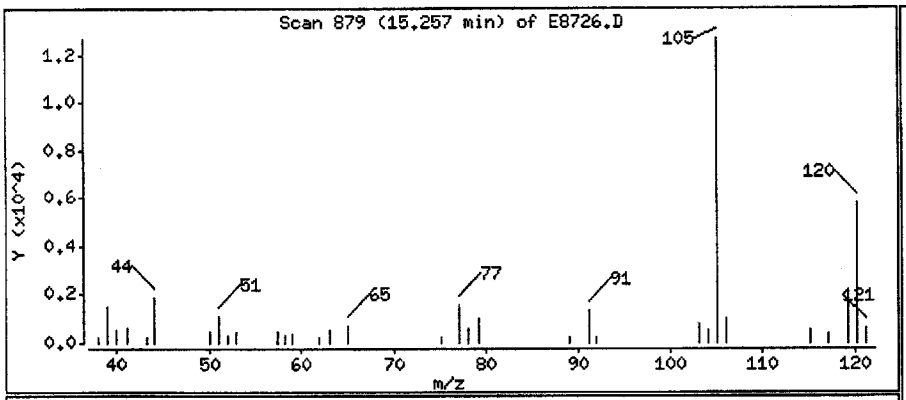
Operator: ZhouH

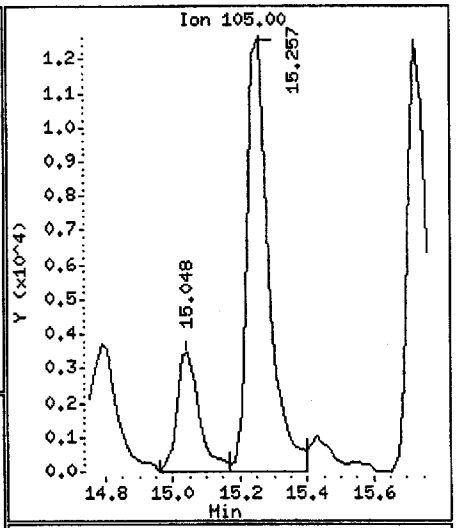
Column phase: DB624

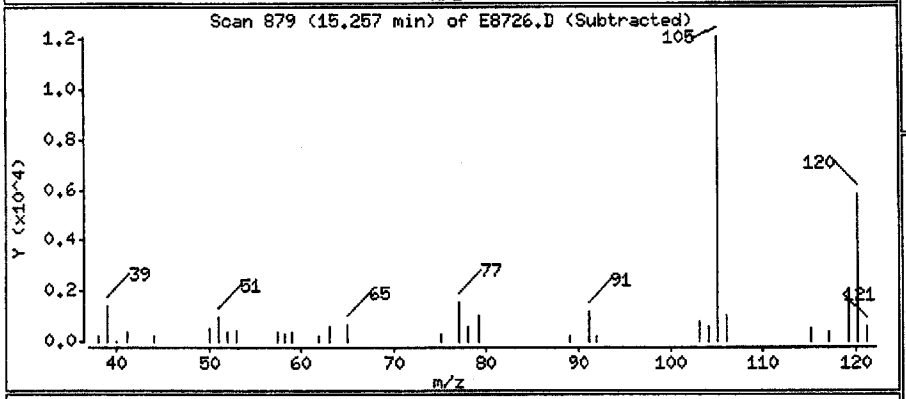
Column diameter: 0.53

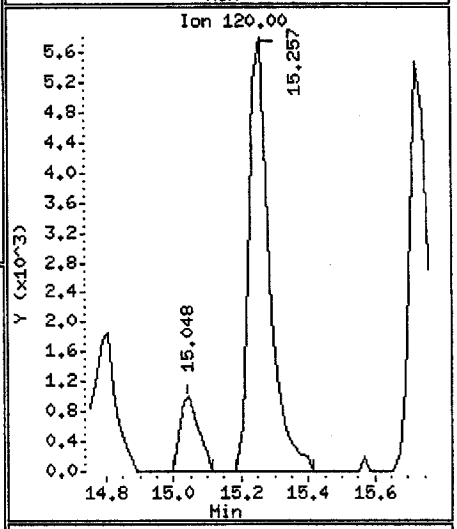
105 1,2,4-Trimethylbenzene

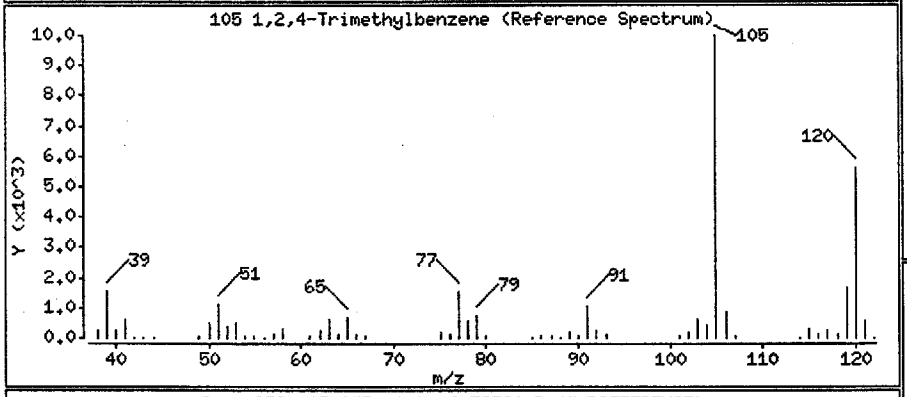
Concentration: 0.718394 ug/L

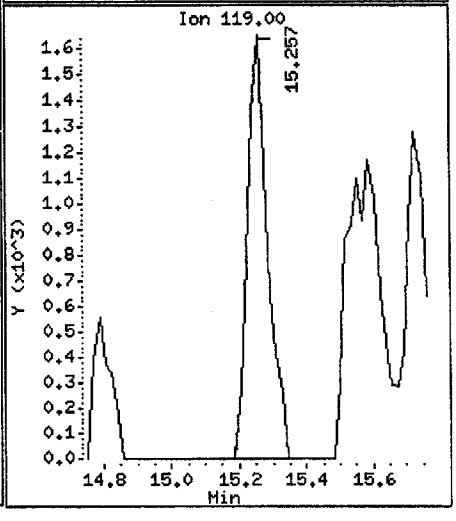


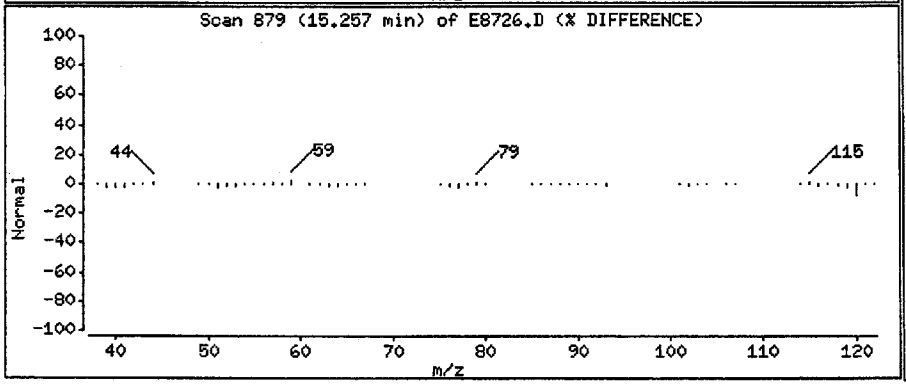












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

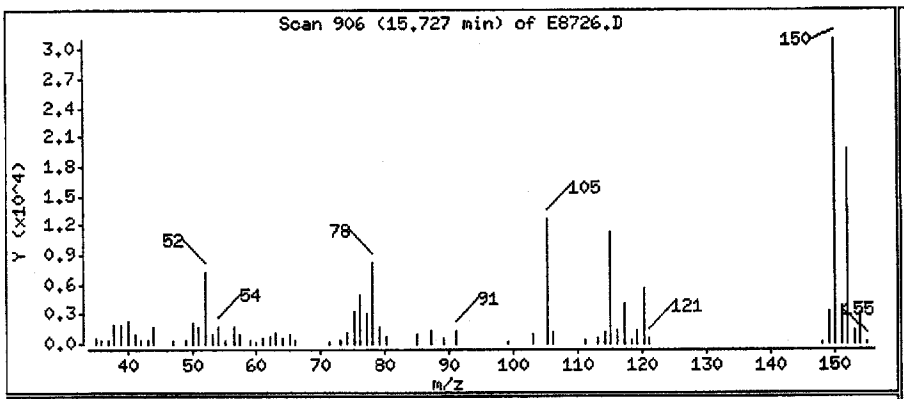
Operator: ZhouH

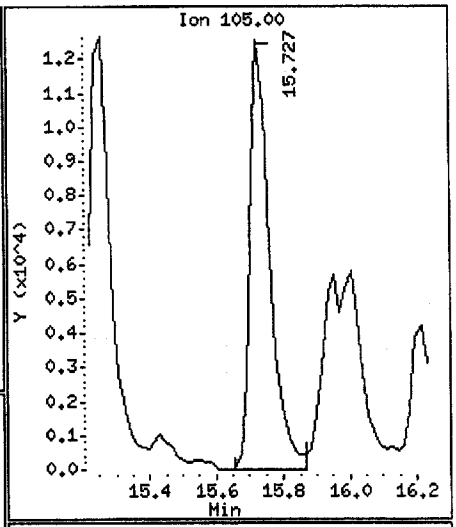
Column phase: DB624

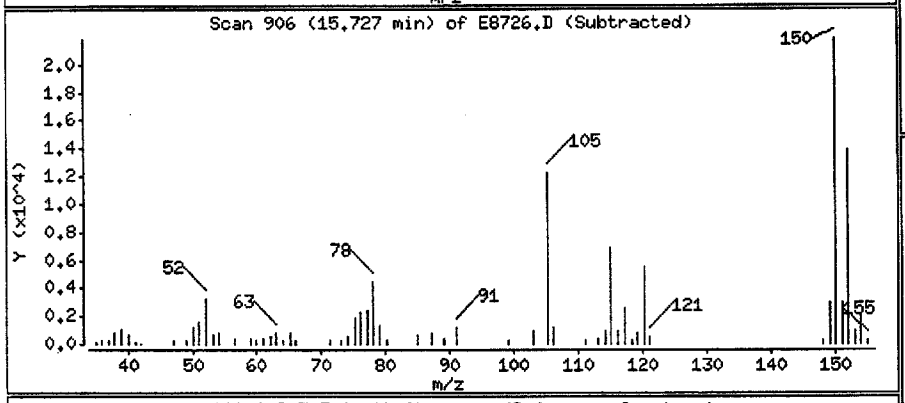
Column diameter: 0.53

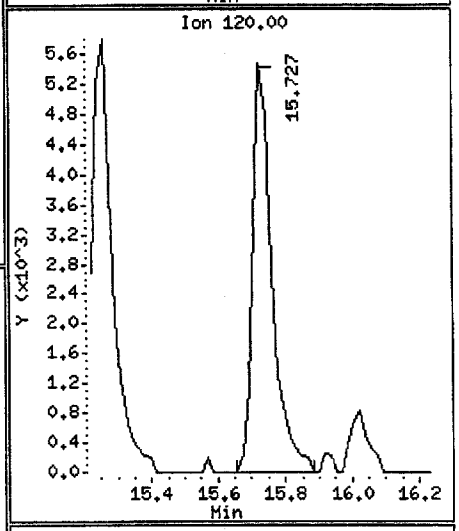
111 1,2,3-Trimethylbenzene

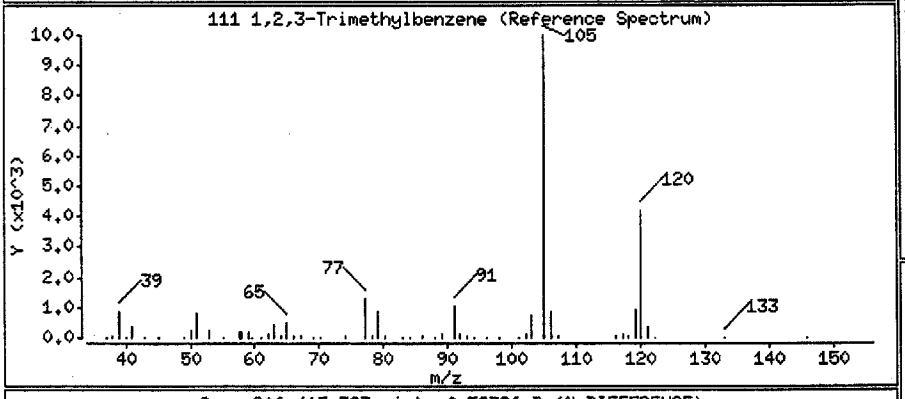
Concentration: 0.737140 ug/L

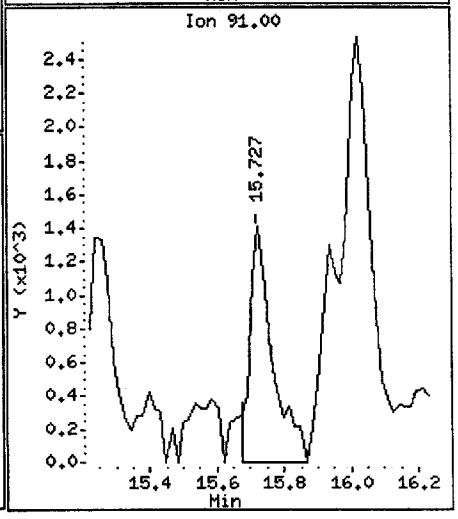


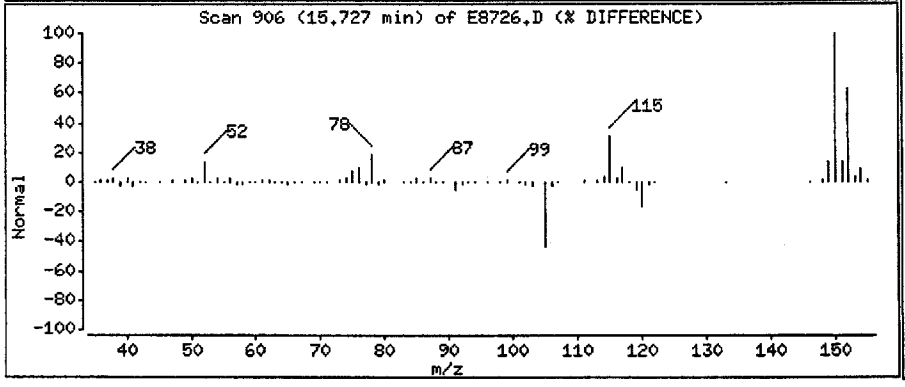












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8726.D

Date : 25-SEP-2009 16:12

Client ID: 05-055-06290 (ROHR

Instrument: E.i

Sample Info: LK27H1AP, ,D9I180162-2 pH<2

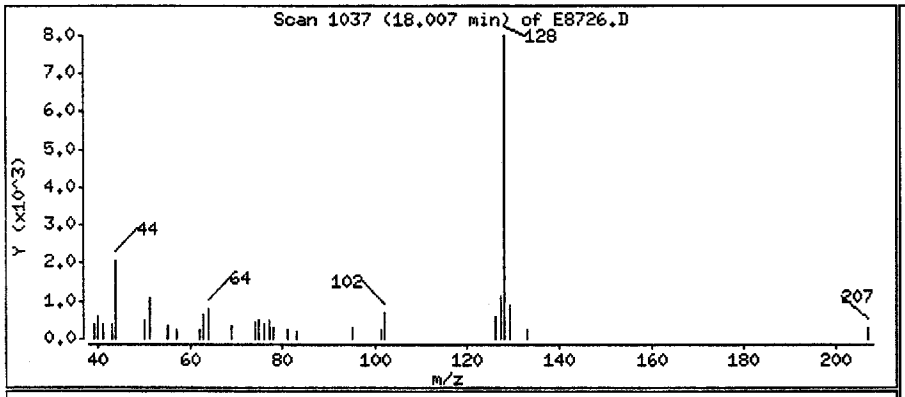
Operator: ZhouH

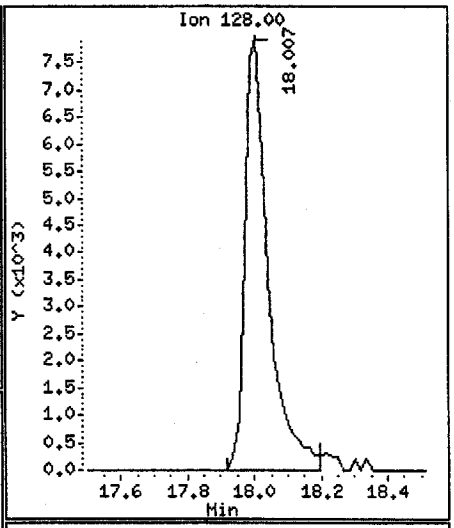
Column phase: DB624

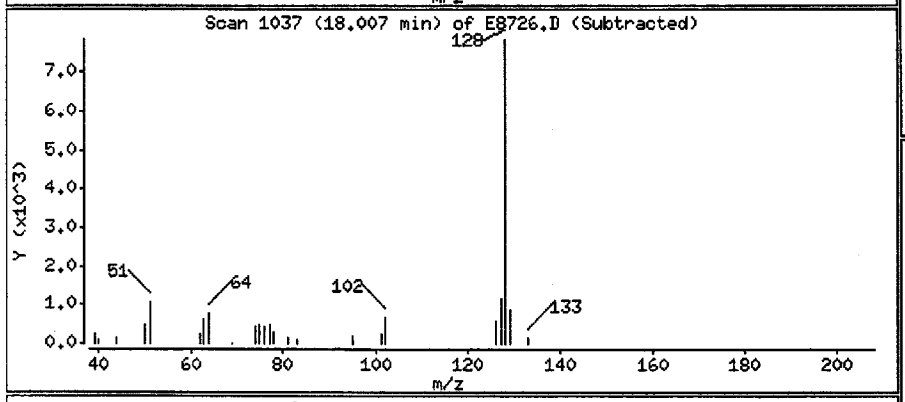
Column diameter: 0.53

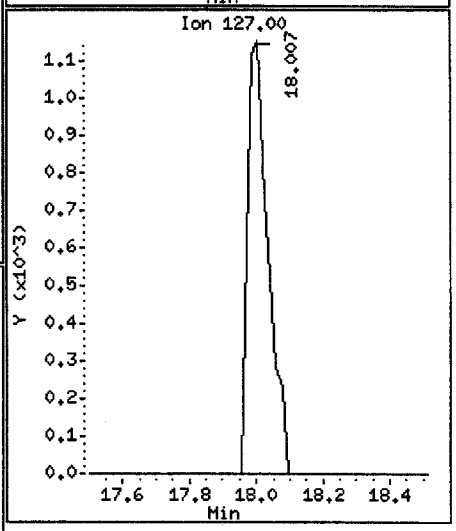
117 Naphthalene

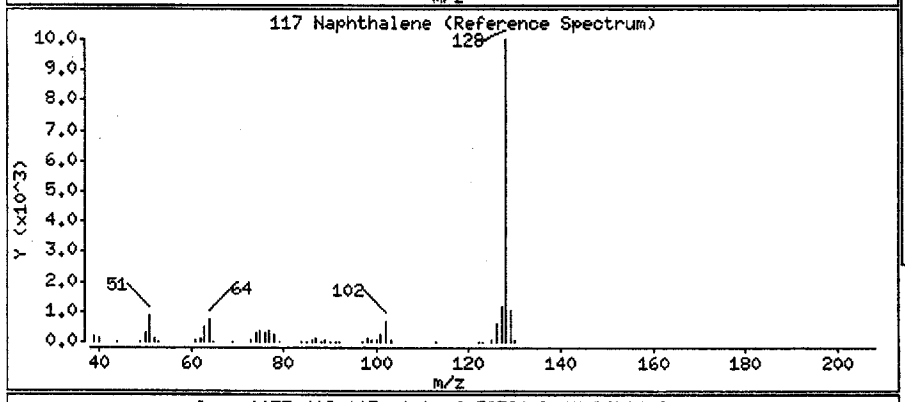
Concentration: 1.54908 ug/L

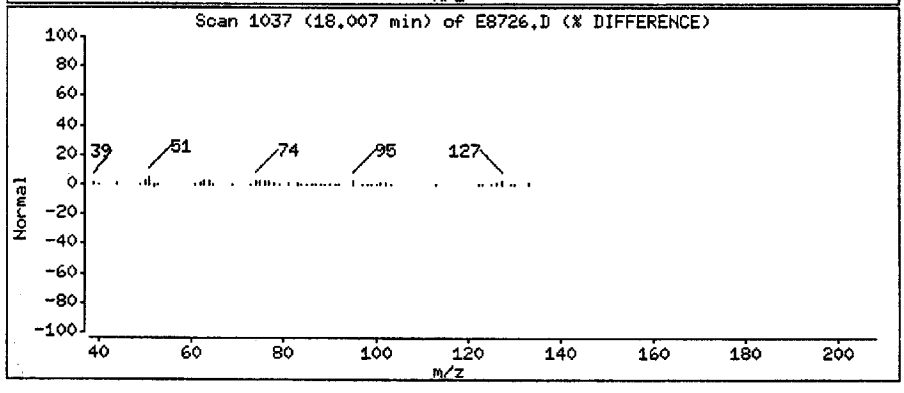












Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AP **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 16:36
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	6.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	3.0	ug/L
trans-1,4-Dichloro-2-butene	ND	3.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	3.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L
Methylene chloride	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AP **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
Vinyl acetate	ND	3.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
Acetonitrile	ND	30	ug/L
Allyl chloride	ND	2.0	ug/L
Chloroprene	ND	1.0	ug/L
Propionitrile	ND	20	ug/L
Methacrylonitrile	ND	10	ug/L
Isobutyl alcohol	ND	110	ug/L
Methyl methacrylate	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
4-Isopropyltoluene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Volatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AP **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(79 - 120)
1,2-Dichloroethane-d4	109	(65 - 126)
4-Bromofluorobenzene	102	(75 - 120)
Toluene-d8	94	(78 - 120)

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D
Lab Smp Id: LK27L1AP Client Smp ID: 05-055-06165 (ROHR
Inj Date : 25-SEP-2009 16:36
Operator : ZhouH Inst ID: E.i
Smp Info : LK27L1AP, ,D9I180162-3 pH<2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Meth Date : 27-Sep-2009 06:46 zhouh Quant Type: ISTD
Cal Date : 24-JUL-2009 13:31 Cal File: E7447.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: qk-01.sub
Target Version: 4.14
Processing Host: DENPC259

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 58 Fluorobenzene	96	8.190	8.190	(1.000)	875924	10.0000	
* 84 Chlorobenzene-d5	119	12.646	12.645	(1.000)	189487	10.0000	
* 109 1,4-Dichlorobenzene-d4	152	15.674	15.674	(1.000)	270181	10.0000	
$ 48 Dibromofluoromethane	111	7.111	7.110	(0.868)	322385	9.63650	9.63650
$ 54 1,2-Dichloroethane-d4	65	7.720	7.720	(0.943)	158935	10.9075	10.9075
$ 72 Toluene-d8	98	10.574	10.574	(0.836)	810638	9.36394	9.36394
$ 95 Bromofluorobenzene	95	14.264	14.264	(1.128)	392296	10.1532	10.1532
M 1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2 Xylene (total)	106	Compound Not Detected.					
M 3 1,3-Dichloropropene (total)	75	Compound Not Detected.					
M 4 Trihalomethanes (total)	83	Compound Not Detected.					
5 dichlorodifluoromethane	85	Compound Not Detected.					
6 Dichlorotetrafluoroethane	85	Compound Not Detected.					
7 Chloromethane	50	Compound Not Detected.					
8 Vinyl Chloride	62	Compound Not Detected.					
9 Ethylene Oxide	43	Compound Not Detected.					
10 Bromomethane	94	Compound Not Detected.					
11 Chloroethane	64	Compound Not Detected.					
12 Dichlorofluoromethane	67	Compound Not Detected.					
14 Trichlorofluoromethane	101	Compound Not Detected.					
13 Ethanol	45	Compound Not Detected.					
15 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
16 Ethyl Ether	59	Compound Not Detected.					
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Acetone	43	Compound Not Detected.					
20 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 2-propanol	45	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
24 Iodomethane	142	Compound Not Detected.					
25 Acetonitrile	41	Compound Not Detected.					
23 Methyl Acetate	43	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	4.430	4.413	(0.541)	9682	0.28743	0.287431(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
41 Propionitrile	54	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
44 Methacrylonitrile	41	Compound Not Detected.					
45 Bromochloromethane	128	Compound Not Detected.					
46 Chloroform	83	Compound Not Detected.					
47 Tetrahydrofuran	42	Compound Not Detected.					
50 1,1,1-Trichloroethane	97	7.093	7.093	(0.866)	25771	0.61404	0.614035(a)
49 Isobutanol	41	Compound Not Detected.					
51 Cyclohexane	56	Compound Not Detected.					
52 1,1-Dichloropropene	75	Compound Not Detected.					
53 Carbon Tetrachloride	117	Compound Not Detected.					
55 1,2-Dichloroethane	62	Compound Not Detected.					
57 Benzene	78	Compound Not Detected.					
56 TAME	73	Compound Not Detected.					
59 n-Butanol	56	Compound Not Detected.					
60 Trichloroethene	130	Compound Not Detected.					
61 2-Pentanone	43	Compound Not Detected.					
62 Methyl Methacrylate	100	Compound Not Detected.					
63 1,2-Dichloropropane	63	Compound Not Detected.					
64 Methyl Cyclohexane	55	Compound Not Detected.					
65 1,4-Dioxane	88	Compound Not Detected.					
66 Dibromomethane	93	Compound Not Detected.					
67 Bromodichloromethane	83	Compound Not Detected.					
68 2-nitropropane	41	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 cis-1,3-Dichloropropene	75	Compound Not Detected.					
71 4-Methyl-2-pentanone	43	10.574	10.470	(1.291)	6274	0.77623	0.776232(aQ)
73 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
75 trans-1,3-Dichloropropene	75	Compound Not Detected.					
74 Ethyl methacrylate	69	Compound Not Detected.					
76 1,1,2-Trichloroethane	97	Compound Not Detected.					
77 2-Hexanone	43	Compound Not Detected.					
78 1,3-Dichloropropane	76	Compound Not Detected.					
79 Tetrachloroethene	164	11.427	11.427	(0.904)	5834	0.19321	0.193208(a)
80 Dibromochloromethane	129	Compound Not Detected.					
81 Tetrahydrothiophene	60	Compound Not Detected.					
82 1,2-Dibromoethane	107	Compound Not Detected.					
83 1-Chlorohexane	91	Compound Not Detected.					
85 Chlorobenzene	112	Compound Not Detected.					
86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
87 Ethylbenzene	106	Compound Not Detected.					
88 m and p-Xylene	106	Compound Not Detected.					
89 o-Xylene	106	Compound Not Detected.					
90 Styrene	104	Compound Not Detected.					
91 Bromoform	173	Compound Not Detected.					
92 isopropyl benzene	105	Compound Not Detected.					
93 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
94 Cyclohexanone	55	Compound Not Detected.					
96 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
97 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
98 1,2,3-Trichloropropane	110	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 n-Propylbenzene	120	Compound Not Detected.					
101 2-Chlorotoluene	126	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 4-Chlorotoluene	126	Compound Not Detected.					
104 tert-Butylbenzene	119	Compound Not Detected.					
105 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
106 sec-Butylbenzene	134	Compound Not Detected.					
107 4-Isopropyltoluene	119	Compound Not Detected.					
108 m-Dichlorobenzene	146	Compound Not Detected.					
110 p-dichlorobenzene	146	Compound Not Detected.					
111 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
112 n-Butylbenzene	91	Compound Not Detected.					
113 o-Dichlorobenzene	146	Compound Not Detected.					
114 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
115 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
116 Hexachlorobutadiene	225	Compound Not Detected.					
117 Naphthalene	128	Compound Not Detected.					
118 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: E.i
Lab File ID: E8727.D
Lab Smp Id: LK27L1AP
Analysis Type: VOA
Quant Type: ISTD
Operator: ZhouH
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

Calibration Date: 25-SEP-2009
Calibration Time: 08:49
Client Smp ID: 05-055-06165 (R
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	733787	366894	1467574	875924	19.37
84 Chlorobenzene-d5	163129	81565	326258	189487	16.16
109 1,4-Dichlorobenze	236601	118301	473202	270181	14.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	8.19	7.69	8.69	8.19	0.00
84 Chlorobenzene-d5	12.65	12.15	13.15	12.65	0.00
109 1,4-Dichlorobenze	15.67	15.17	16.17	15.67	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LK27L1AP Client Smp ID: 05-055-06165 (ROHR
Level: LOW Operator: ZhouH
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: dcs.spk Quant Type: ISTD
Sublist File: qk-01.sub
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 48 Dibromofluorometha	10.0000	9.63650	96.37	79-120
$ 54 1,2-Dichloroethane	10.0000	10.9075	109.07	65-126
$ 72 Toluene-d8	10.0000	9.36394	93.64	78-120
$ 95 Bromofluorobenzene	10.0000	10.1532	101.53	75-120

Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D

Page 6

Date : 25-SEP-2009 16:36

Client ID: 05-055-06165 (ROHR

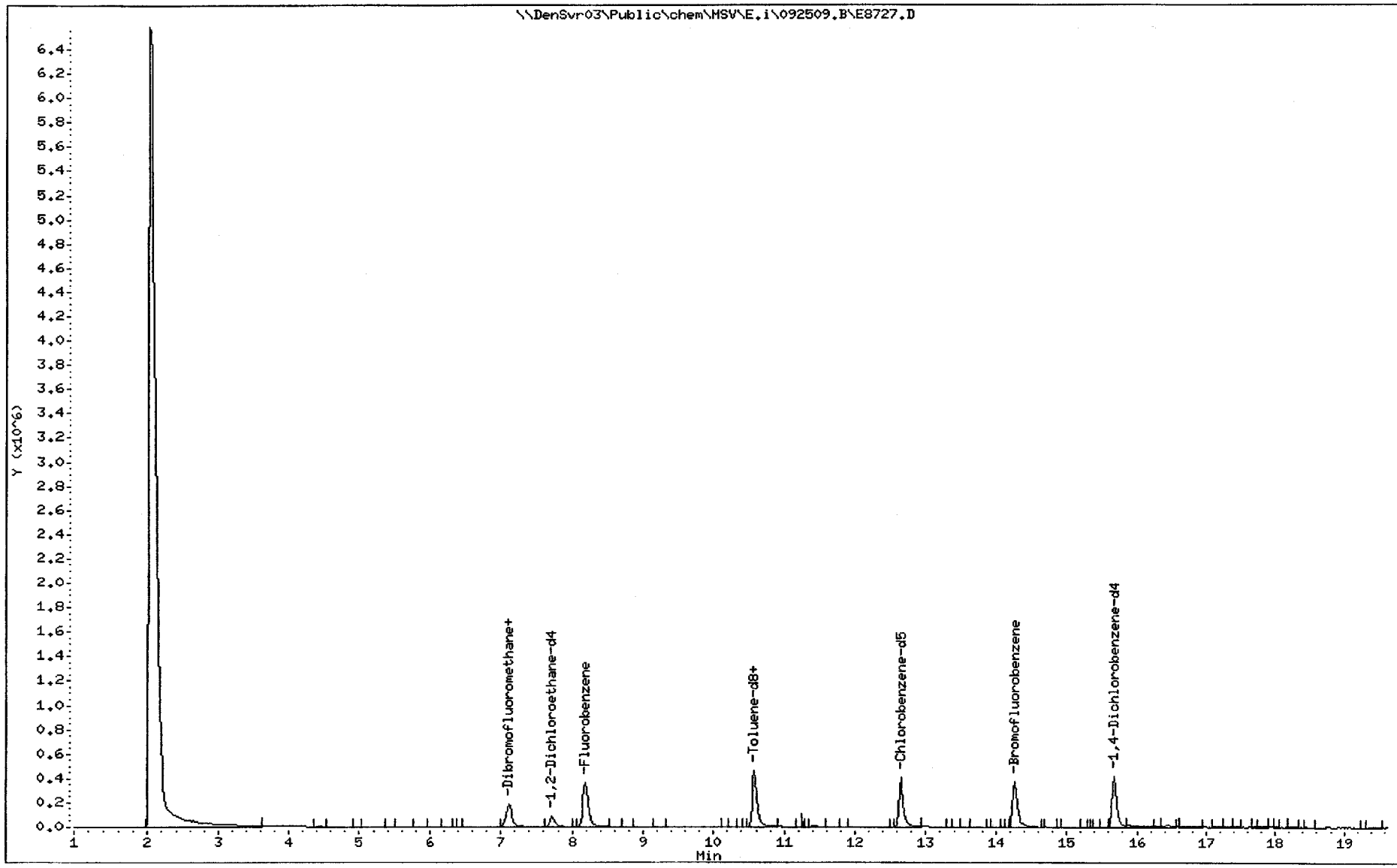
Instrument: E.i

Sample Info: LK27L1AP, ,D9I180162-3 pH<2

Operator: ZhouH

Column phase: DB624

Column diameter: 0.53



Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D

Date : 25-SEP-2009 16:36

Client ID: 05-055-06165 (ROHR

Instrument: E.i

Sample Info: LK27L1AP, ,D9I180162-3 pH<2

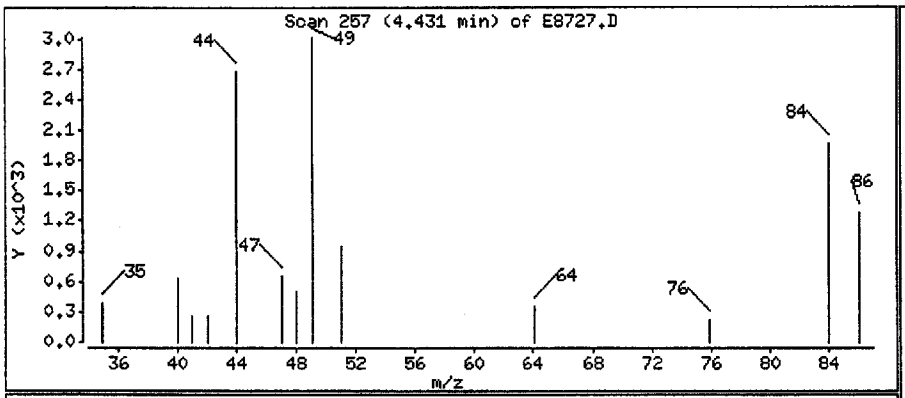
Operator: ZhouH

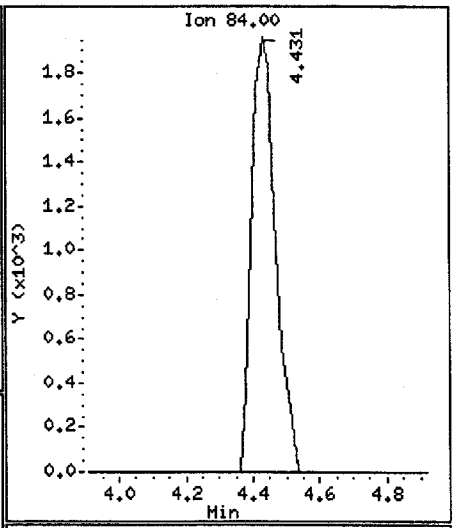
Column phase: DB624

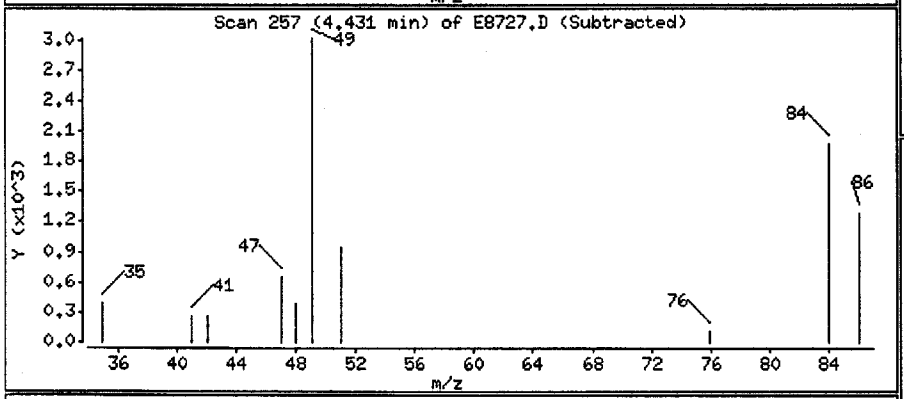
Column diameter: 0.53

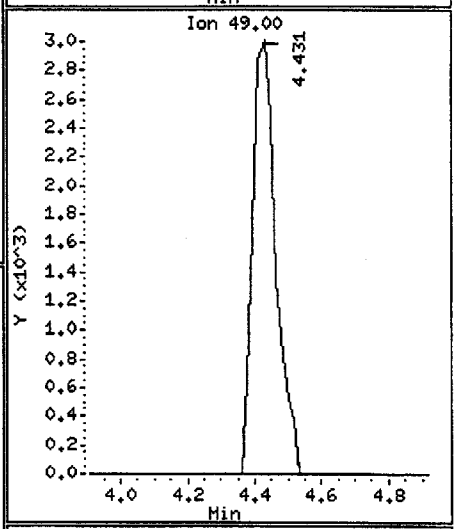
29 Methylene Chloride

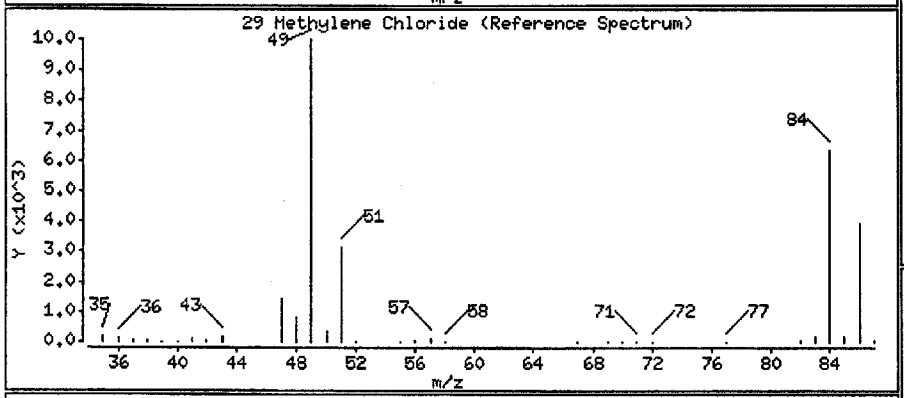
Concentration: 0.287431 ug/L

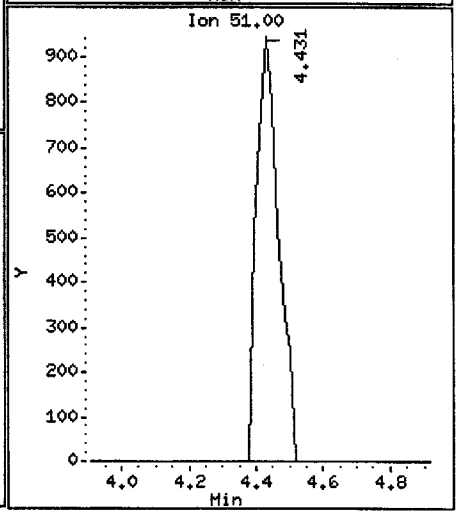


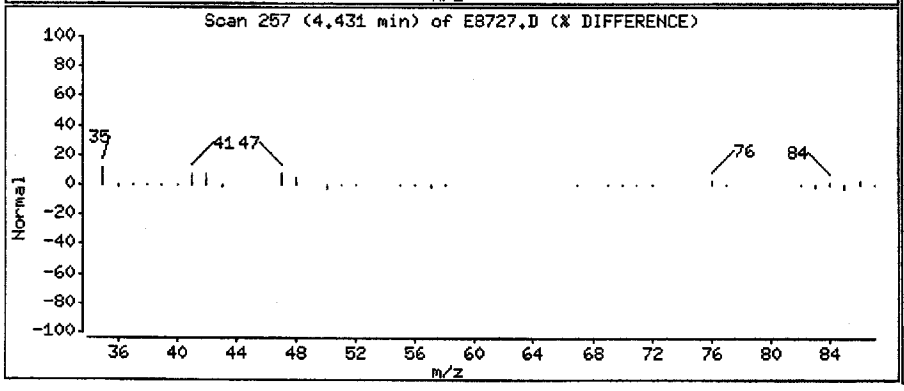












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D

Date : 25-SEP-2009 16:36

Client ID: 05-055-06165 (ROHR

Instrument: E.i

Sample Info: LK27L1AP, ,D9I180162-3 pH<2

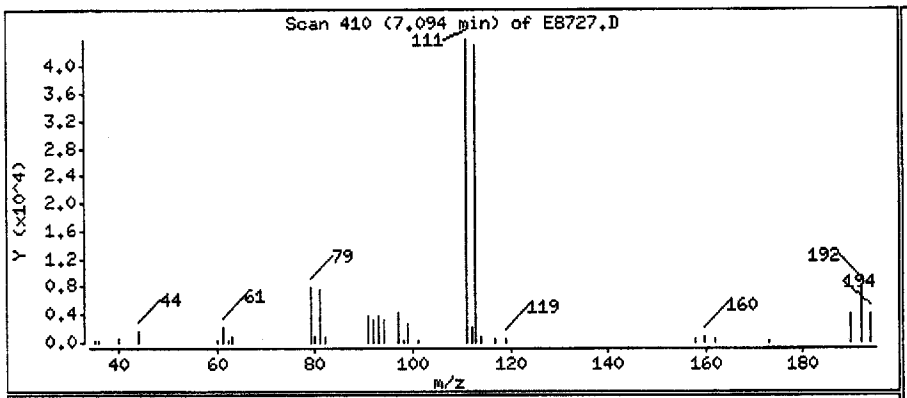
Operator: ZhouH

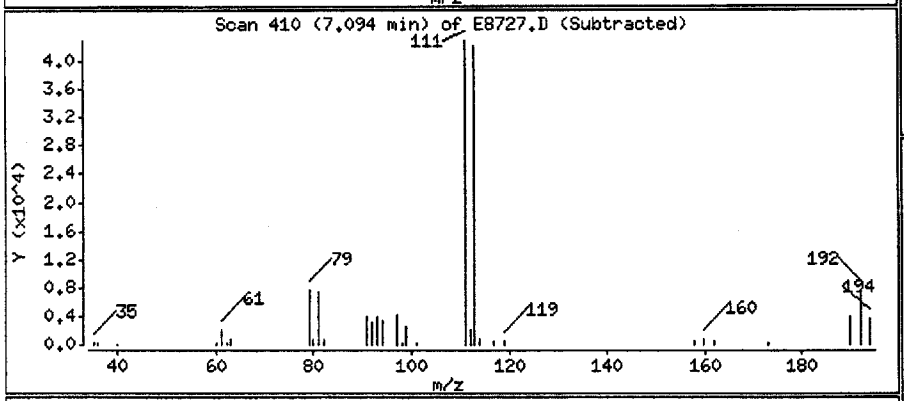
Column phase: DB624

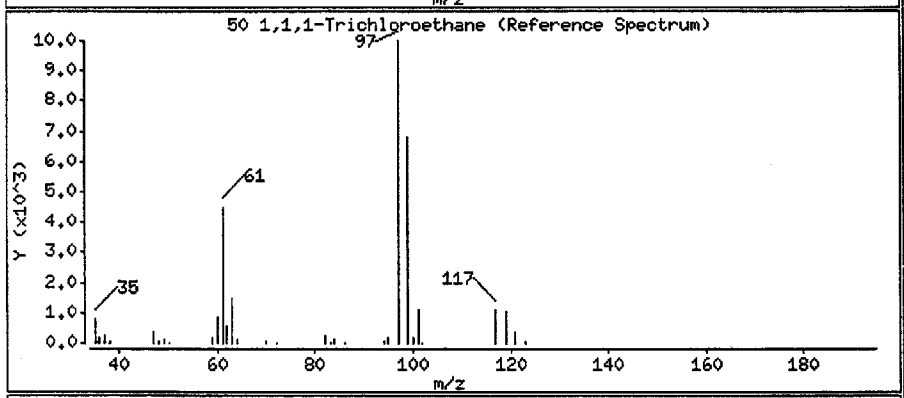
Column diameter: 0.53

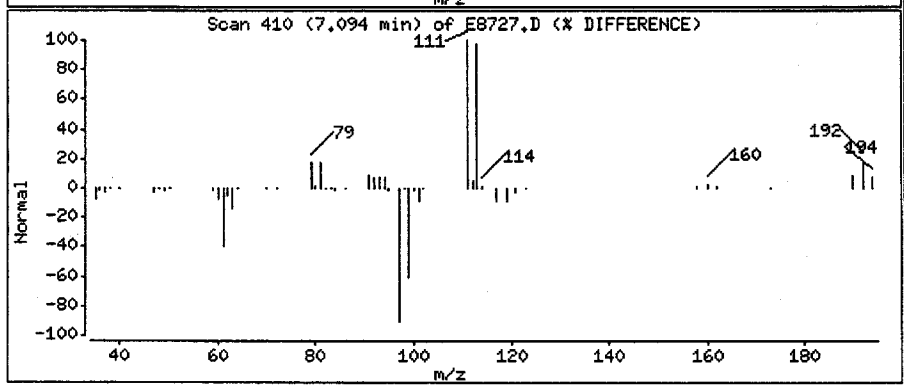
50 1,1,1-Trichloroethane

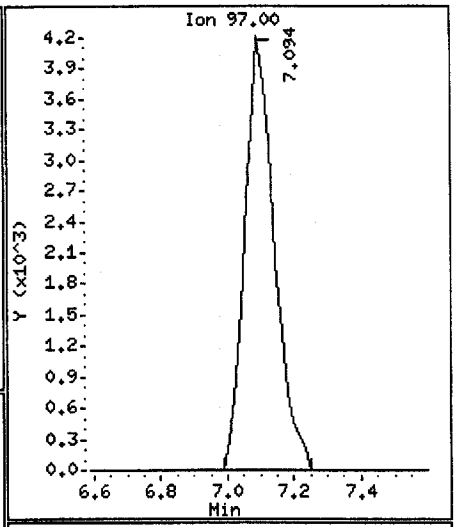
Concentration: 0.614035 ug/L

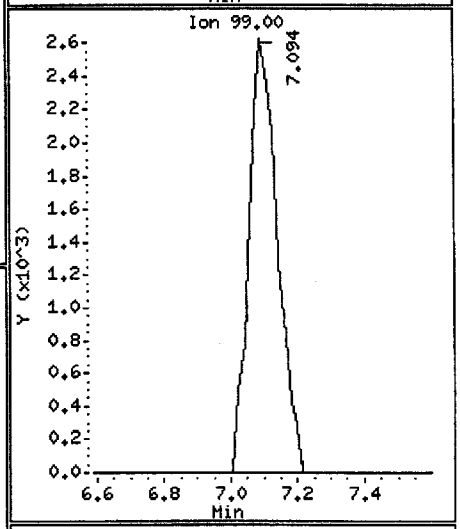


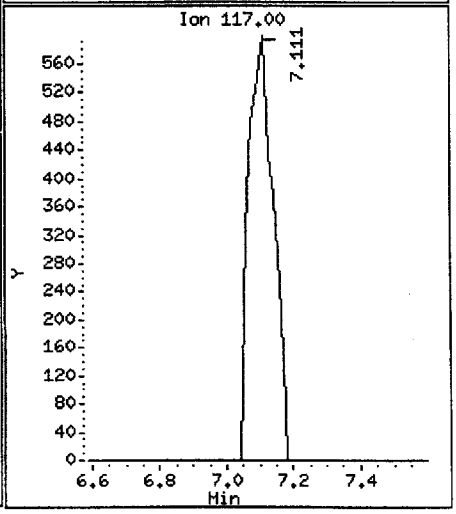












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D

Date : 25-SEP-2009 16:36

Client ID: 05-055-06165 (ROHR

Instrument: E.i

Sample Info: LK27L1AP, ,D9I180162-3 pH<2

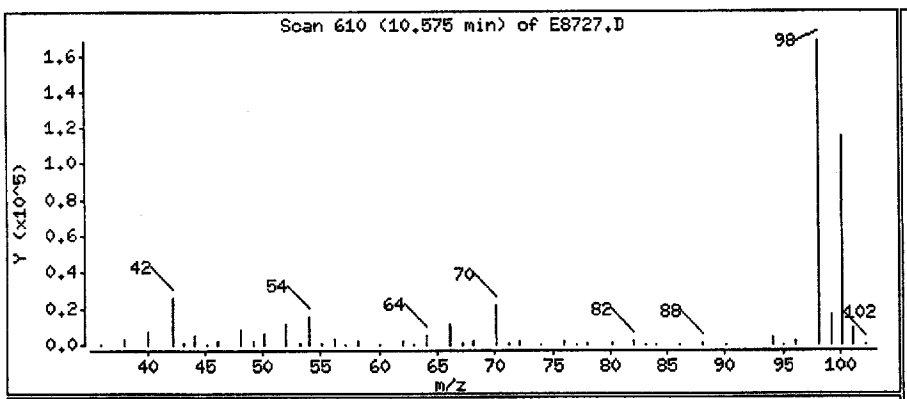
Operator: ZhouH

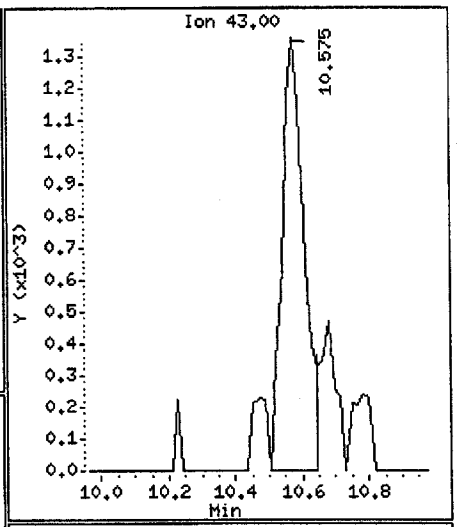
Column phase: DB624

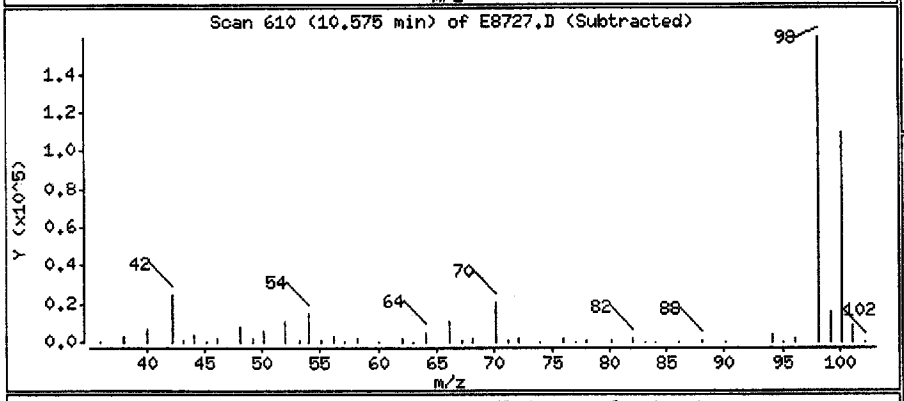
Column diameter: 0.53

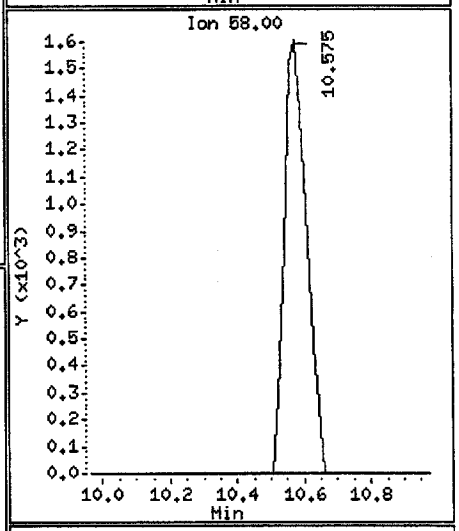
71 4-Methyl-2-pentanone

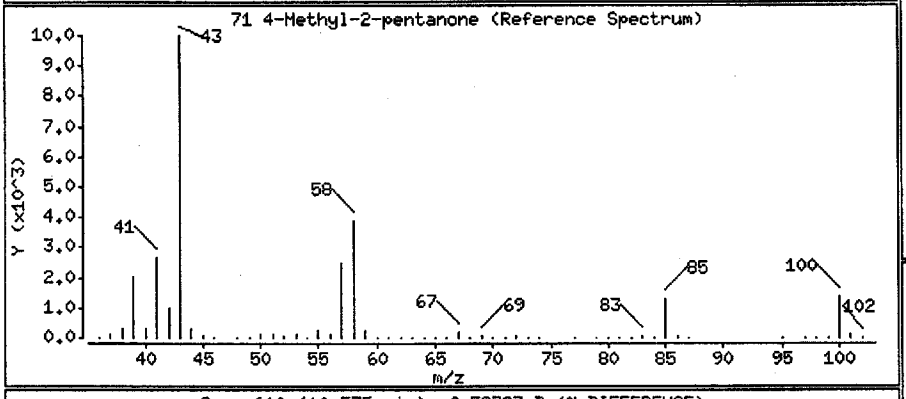
Concentration: 0.776232 ug/L

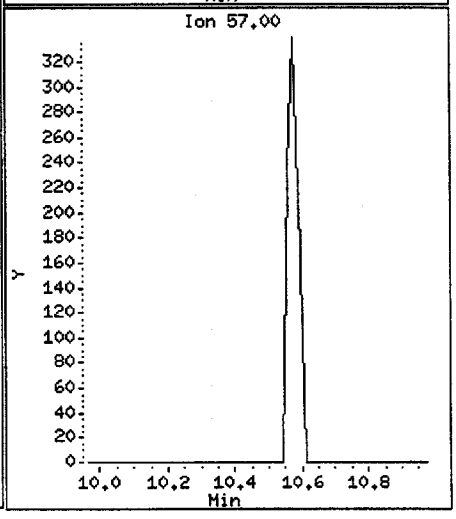


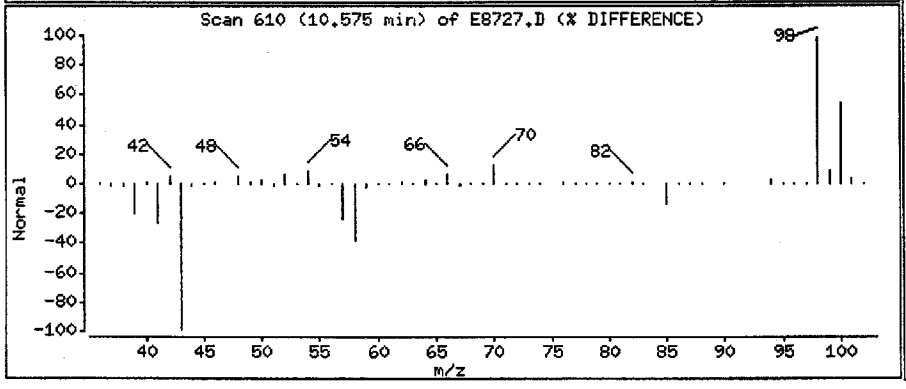












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8727.D

Date : 25-SEP-2009 16:36

Client ID: 05-055-06165 (ROHR

Instrument: E.i

Sample Info: LK27L1AP, ,D9I180162-3 pH<2

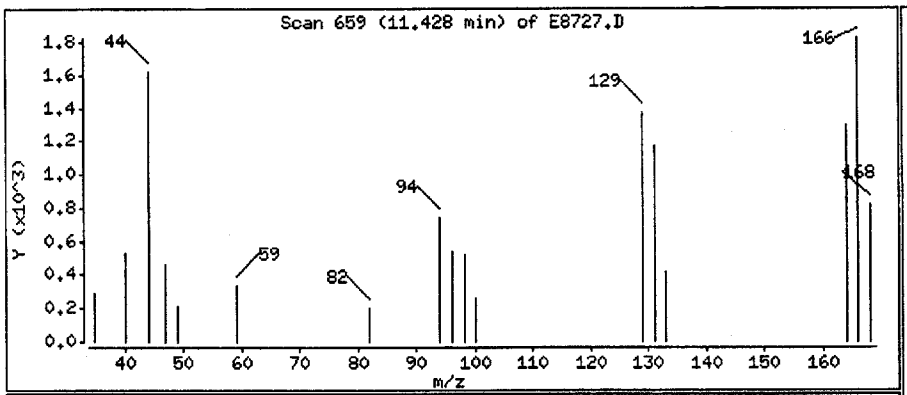
Operator: ZhouH

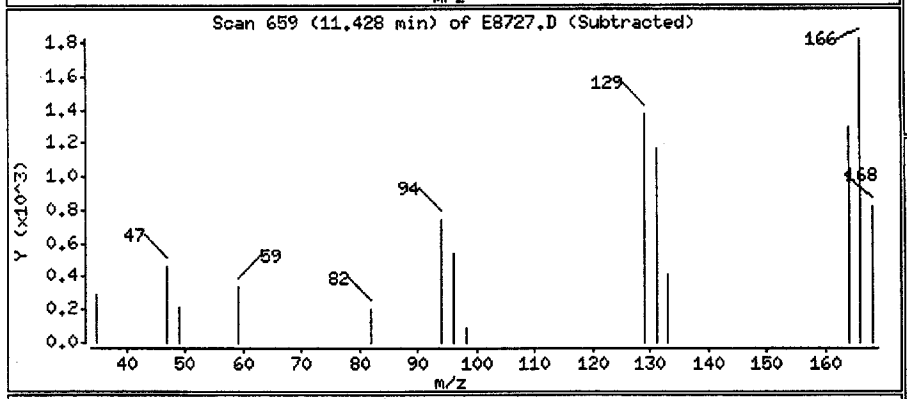
Column phase: DB624

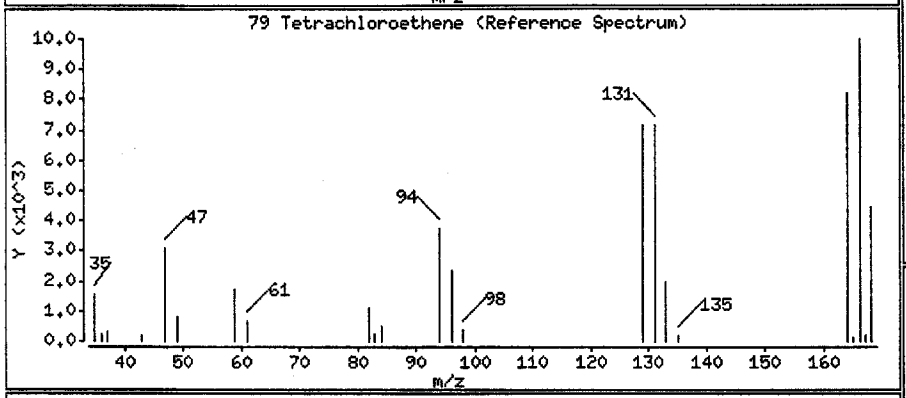
Column diameter: 0.53

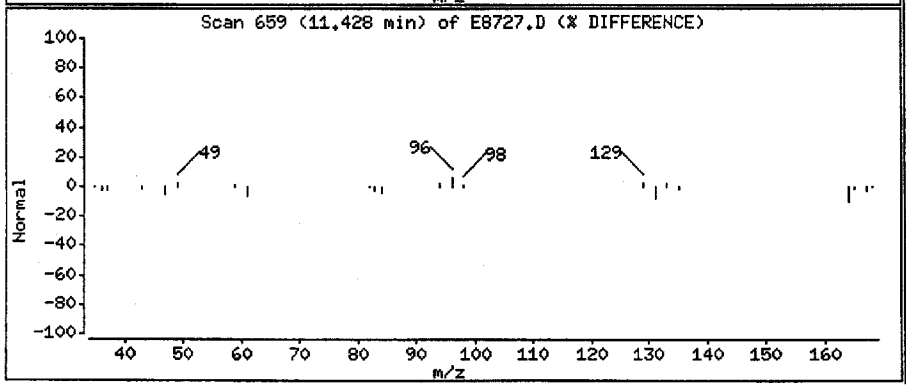
79 Tetrachloroethene

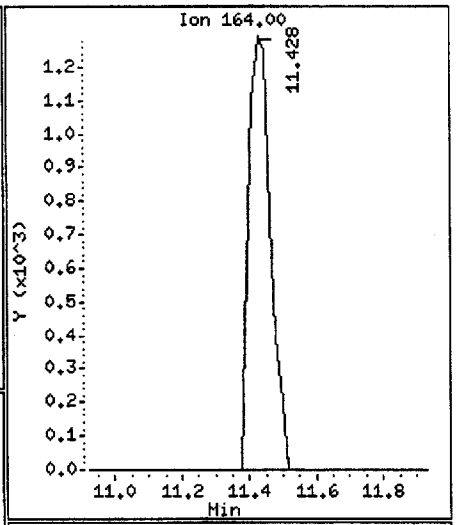
Concentration: 0.193208 ug/L

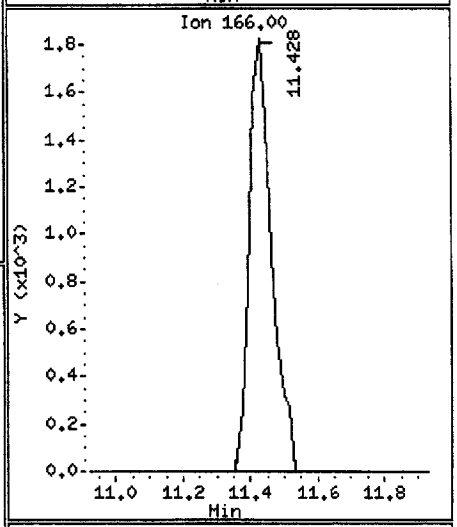


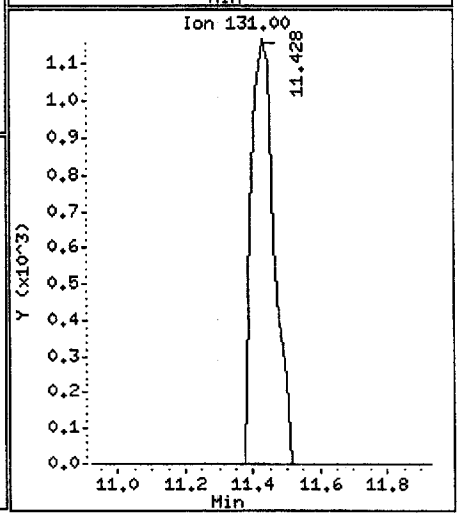












Colorado Oil&Gas Conservation Commision

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D9I180162-004 **Work Order #...:** LK27Q1AA **Matrix.....:** WATER
Date Sampled...: 09/17/09 07:00 **Date Received..:** 09/18/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 17:01
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
trans-1,2-Dichloroethene	ND	1.0	ug/L
Acetone	ND	10	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone (MEK)	ND	6.0	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	3.0	ug/L
trans-1,4-Dichloro-2-butene	ND	3.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	3.0	ug/L
2-Hexanone	ND	5.0	ug/L
Iodomethane	ND	1.0	ug/L
Methylene chloride	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Styrene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D9I180162-004 **Work Order #...:** LK27Q1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.5	ug/L
Vinyl acetate	ND	3.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
Acetonitrile	ND	30	ug/L
Allyl chloride	ND	2.0	ug/L
Chloroprene	ND	1.0	ug/L
Propionitrile	ND	20	ug/L
Methacrylonitrile	ND	10	ug/L
Isobutyl alcohol	ND	110	ug/L
Methyl methacrylate	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
4-Isopropyltoluene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D9I180162-004 **Work Order #...:** LK27Q1AA **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(79 - 120)
1,2-Dichloroethane-d4	107	(65 - 126)
4-Bromofluorobenzene	103	(75 - 120)
Toluene-d8	95	(78 - 120)

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D
Lab Smp Id: LK27Q1AA Client Smp ID: TRIP BLANK
Inj Date : 25-SEP-2009 17:01
Operator : ZhouH Inst ID: E.i
Smp Info : LK27Q1AA, ,D9I180162-4TB pH<2
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Meth Date : 27-Sep-2009 06:46 zhouh Quant Type: ISTD
Cal Date : 24-JUL-2009 13:31 Cal File: E7447.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: qk-01.sub
Target Version: 4.14
Processing Host: DENPC259

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 58	Fluorobenzene	96	8.190	8.190	(1.000)	832837	10.0000	
* 84	Chlorobenzene-d5	119	12.646	12.645	(1.000)	177126	10.0000	
* 109	1,4-Dichlorobenzene-d4	152	15.674	15.674	(1.000)	262397	10.0000	
$ 48	Dibromofluoromethane	111	7.128	7.110	(0.870)	309102	9.71746	9.71746
$ 54	1,2-Dichloroethane-d4	65	7.720	7.720	(0.943)	148147	10.6931	10.6931
$ 72	Toluene-d8	98	10.574	10.574	(0.836)	772607	9.54745	9.54745
$ 95	Bromofluorobenzene	95	14.264	14.264	(1.128)	371718	10.2920	10.2920
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
M 3	1,3-Dichloropropene (total)	75	Compound Not Detected.					
M 4	Trihalomethanes (total)	83	Compound Not Detected.					
5	dichlorodifluoromethane	85	Compound Not Detected.					
6	Dichlorotetrafluoroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
8	Vinyl Chloride	62	Compound Not Detected.					
9	Ethylene Oxide	43	Compound Not Detected.					
10	Bromomethane	94	Compound Not Detected.					
11	Chloroethane	64	Compound Not Detected.					
12	Dichlorofluoromethane	67	Compound Not Detected.					
14	Trichlorofluoromethane	101	Compound Not Detected.					
13	Ethanol	45	Compound Not Detected.					
15	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
16 Ethyl Ether	59	Compound Not Detected.					
17 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
18 Acrolein	56	Compound Not Detected.					
19 Acetone	43	3.908	3.891	(0.477)	6587	3.57216	3.57216(a)
20 Trichlorotrifluoroethane	151	Compound Not Detected.					
21 2-propanol	45	Compound Not Detected.					
22 1,1-Dichloroethene	96	Compound Not Detected.					
24 Iodomethane	142	Compound Not Detected.					
25 Acetonitrile	41	Compound Not Detected.					
23 Methyl Acetate	43	Compound Not Detected.					
27 Carbon Disulfide	76	Compound Not Detected.					
26 Allyl Chloride	41	Compound Not Detected.					
28 tert-Butyl alcohol	59	Compound Not Detected.					
29 Methylene Chloride	84	4.430	4.413	(0.541)	15792	0.65560	0.655600(a)
30 Acrylonitrile	53	Compound Not Detected.					
31 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
33 Hexane	57	Compound Not Detected.					
34 Vinyl acetate	43	Compound Not Detected.					
35 Isopropyl ether	87	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Chloroprene	53	Compound Not Detected.					
38 ETBE	59	Compound Not Detected.					
40 2-Butanone	43	Compound Not Detected.					
39 Ethyl Acetate	43	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
41 Propionitrile	54	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
44 Methacrylonitrile	41	Compound Not Detected.					
45 Bromochloromethane	128	Compound Not Detected.					
46 Chloroform	83	Compound Not Detected.					
47 Tetrahydrofuran	42	Compound Not Detected.					
50 1,1,1-Trichloroethane	97	7.093	7.093	(0.866)	23720	0.59441	0.594406(a)
49 Isobutanol	41	Compound Not Detected.					
51 Cyclohexane	56	Compound Not Detected.					
52 1,1-Dichloropropene	75	Compound Not Detected.					
53 Carbon Tetrachloride	117	Compound Not Detected.					
55 1,2-Dichloroethane	62	Compound Not Detected.					
57 Benzene	78	Compound Not Detected.					
56 TAME	73	Compound Not Detected.					
59 n-Butanol	56	Compound Not Detected.					
60 Trichloroethene	130	Compound Not Detected.					
61 2-Pentanone	43	Compound Not Detected.					
62 Methyl Methacrylate	100	Compound Not Detected.					
63 1,2-Dichloropropane	63	Compound Not Detected.					
64 Methyl Cyclohexane	55	Compound Not Detected.					
65 1,4-Dioxane	88	Compound Not Detected.					
66 Dibromomethane	93	Compound Not Detected.					
67 Bromodichloromethane	83	Compound Not Detected.					
68 2-nitropropane	41	Compound Not Detected.					
69 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
70 cis-1,3-Dichloropropene	75	Compound Not Detected.					
71 4-Methyl-2-pentanone	43	Compound Not Detected.					
73 Toluene	91	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
75 trans-1,3-Dichloropropene	75	Compound Not Detected.					
74 Ethyl methacrylate	69	Compound Not Detected.					
76 1,1,2-Trichloroethane	97	Compound Not Detected.					
77 2-Hexanone	43	Compound Not Detected.					
78 1,3-Dichloropropane	76	Compound Not Detected.					
79 Tetrachloroethene	164	11.427	11.427	(0.904)	5643	0.19992	0.199925(a)
80 Dibromochloromethane	129	Compound Not Detected.					
81 Tetrahydrothiophene	60	Compound Not Detected.					
82 1,2-Dibromoethane	107	Compound Not Detected.					
83 1-Chlorohexane	91	Compound Not Detected.					
85 Chlorobenzene	112	Compound Not Detected.					
86 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
87 Ethylbenzene	106	Compound Not Detected.					
88 m and p-Xylene	106	Compound Not Detected.					
89 o-Xylene	106	Compound Not Detected.					
90 Styrene	104	Compound Not Detected.					
91 Bromoform	173	Compound Not Detected.					
92 isopropyl benzene	105	Compound Not Detected.					
93 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
94 Cyclohexanone	55	Compound Not Detected.					
96 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
97 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
98 1,2,3-Trichloropropane	110	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 n-Propylbenzene	120	Compound Not Detected.					
101 2-Chlorotoluene	126	Compound Not Detected.					
102 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
103 4-Chlorotoluene	126	Compound Not Detected.					
104 tert-Butylbenzene	119	Compound Not Detected.					
105 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
106 sec-Butylbenzene	134	Compound Not Detected.					
107 4-Isopropyltoluene	119	Compound Not Detected.					
108 m-Dichlorobenzene	146	Compound Not Detected.					
110 p-dichlorobenzene	146	Compound Not Detected.					
111 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
112 n-Butylbenzene	91	Compound Not Detected.					
113 o-Dichlorobenzene	146	Compound Not Detected.					
114 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
115 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
116 Hexachlorobutadiene	225	Compound Not Detected.					
117 Naphthalene	128	Compound Not Detected.					
118 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: E.i
Lab File ID: E8728.D
Lab Smp Id: LK27Q1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: ZhouH
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

Calibration Date: 25-SEP-2009
Calibration Time: 08:49
Client Smp ID: TRIP BLANK
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	733787	366894	1467574	832837	13.50
84 Chlorobenzene-d5	163129	81565	326258	177126	8.58
109 1,4-Dichlorobenze	236601	118301	473202	262397	10.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
58 Fluorobenzene	8.19	7.69	8.69	8.19	0.00
84 Chlorobenzene-d5	12.65	12.15	13.15	12.65	0.00
109 1,4-Dichlorobenze	15.67	15.17	16.17	15.67	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LK27Q1AA Client Smp ID: TRIP BLANK
Level: LOW Operator: ZhouH
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: dcs.spk Quant Type: ISTD
Sublist File: qk-01.sub
Method File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\8260B-H2O.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 48 Dibromofluorometha	10.0000	9.71746	97.17	79-120
$ 54 1,2-Dichloroethane	10.0000	10.6931	106.93	65-126
$ 72 Toluene-d8	10.0000	9.54745	95.47	78-120
$ 95 Bromofluorobenzene	10.0000	10.2920	102.92	75-120

Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D

Page 6

Date : 25-SEP-2009 17:01

Client ID: TRIP BLANK

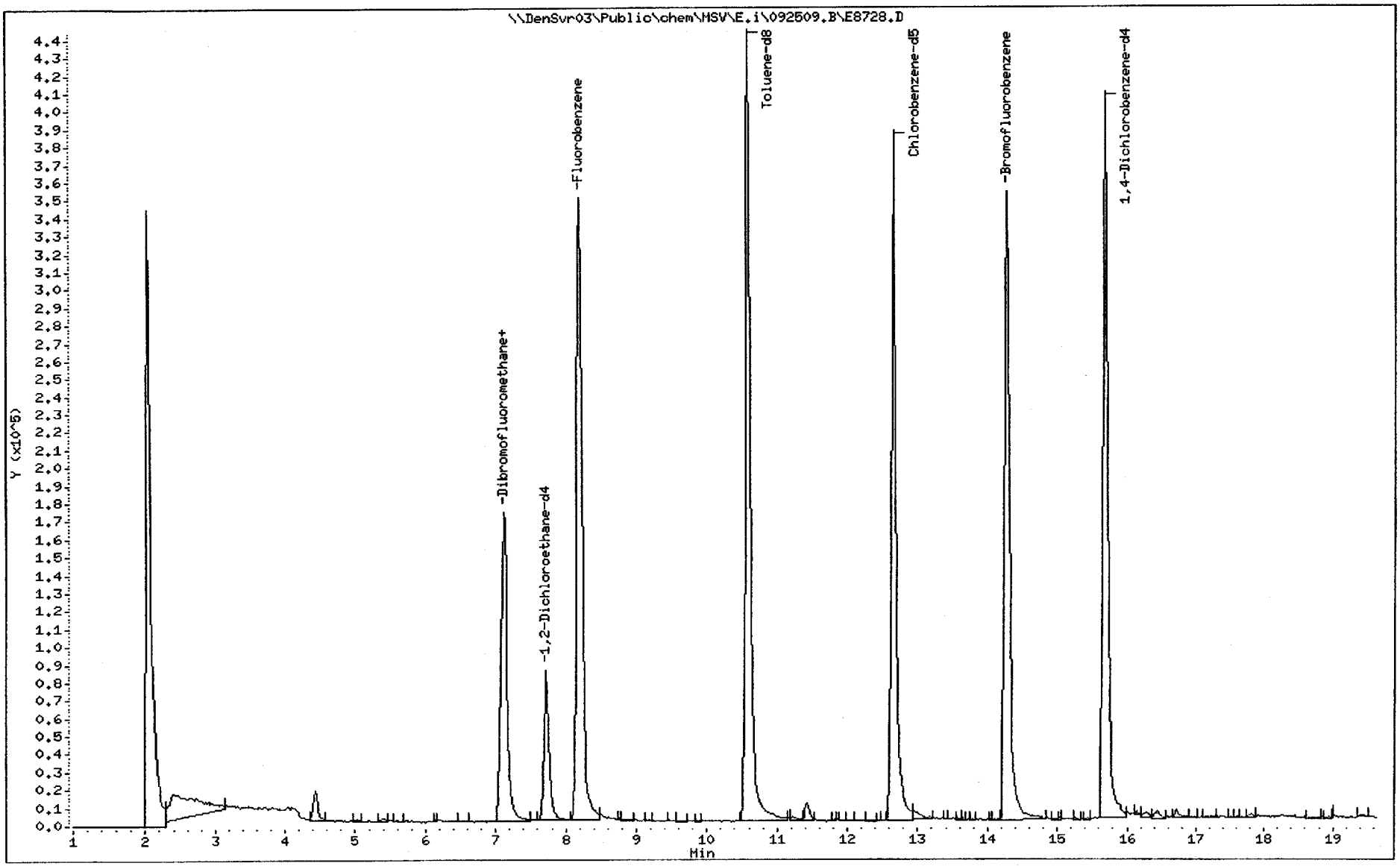
Instrument: E.i

Sample Info: LK27Q1AA, ,D9I180162-4TB pH<2

Operator: ZhouH

Column phase: DB624

Column diameter: 0.53



Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D

Date : 25-SEP-2009 17:01

Client ID: TRIP BLANK

Instrument: E.i

Sample Info: LK27Q1AA, ,D9I180162-4TB pH<2

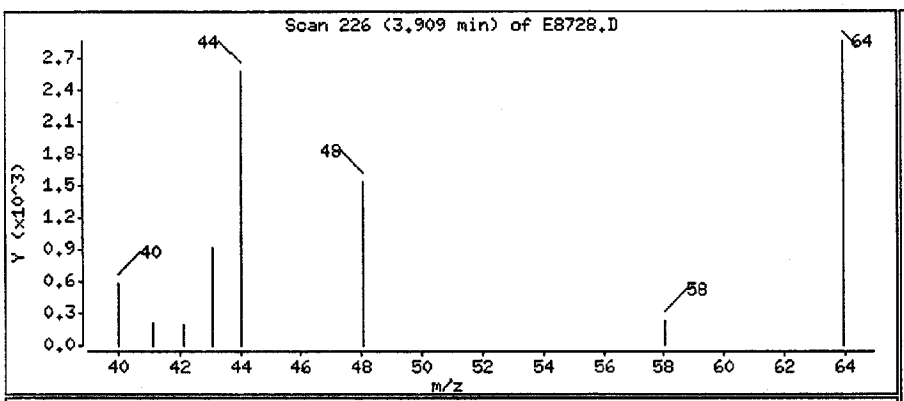
Operator: ZhouH

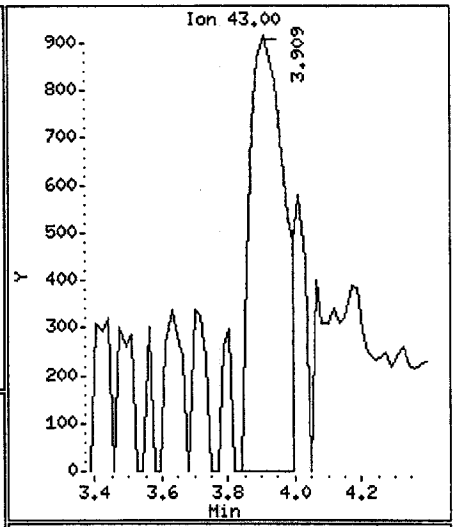
Column phase: DB624

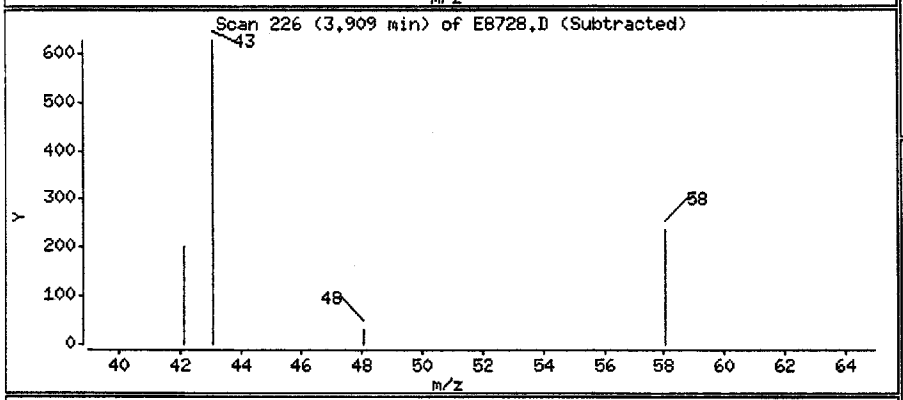
Column diameter: 0.53

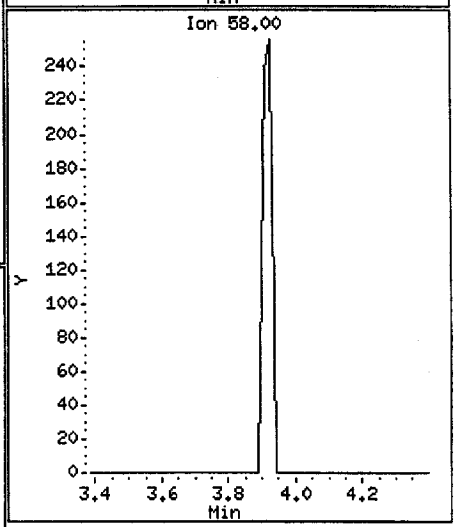
19 Acetone

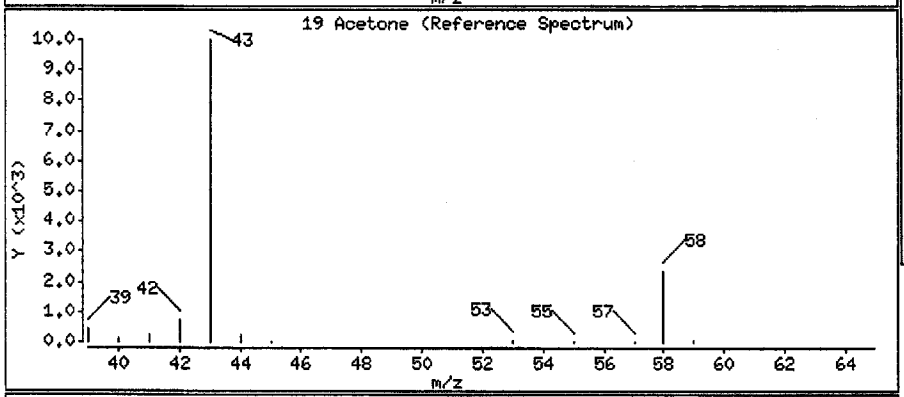
Concentration: 3.57216 ug/L

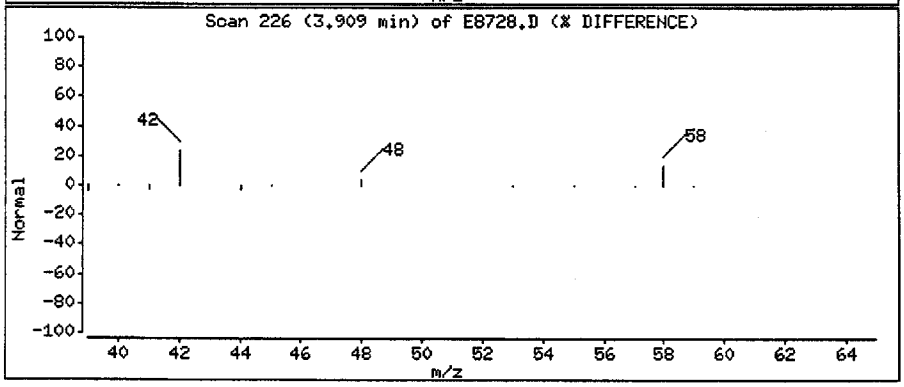












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D

Date : 25-SEP-2009 17:01

Client ID: TRIP BLANK

Instrument: E.i

Sample Info: LK27Q1AA, ,D9I180162-4TB pH<2

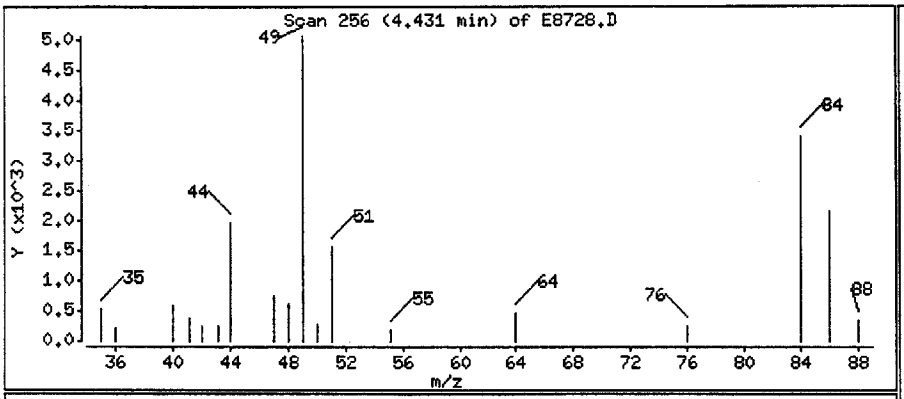
Operator: ZhouH

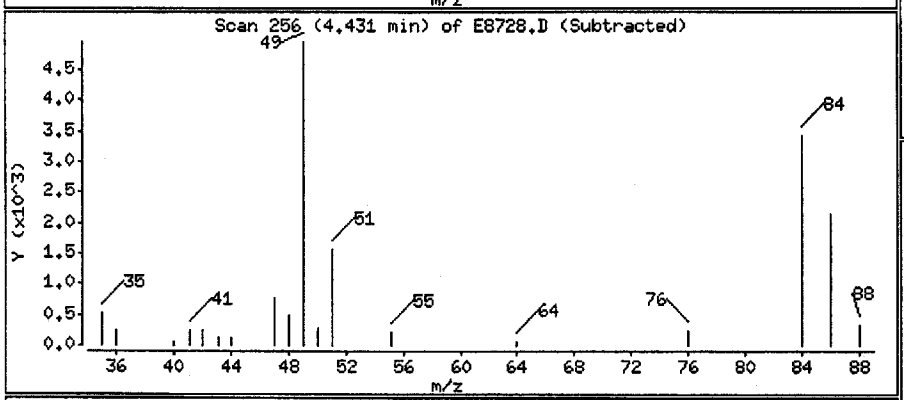
Column phase: DB624

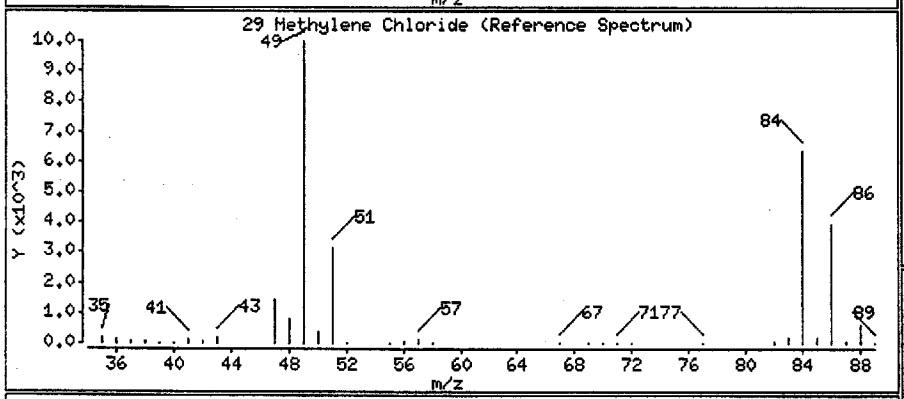
Column diameter: 0.53

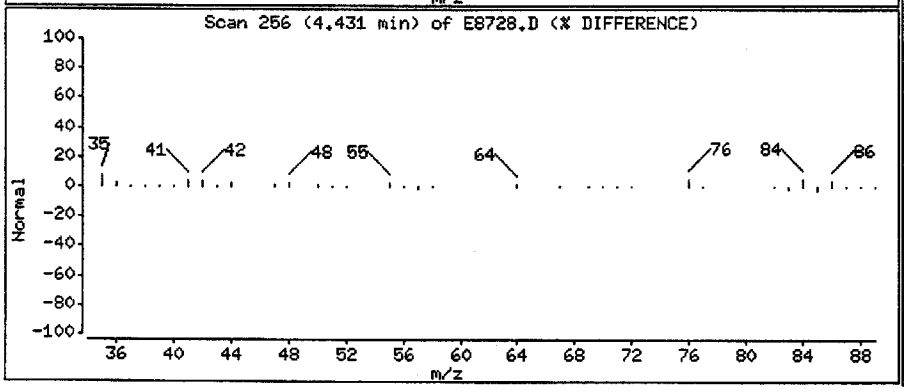
29 Methylene Chloride

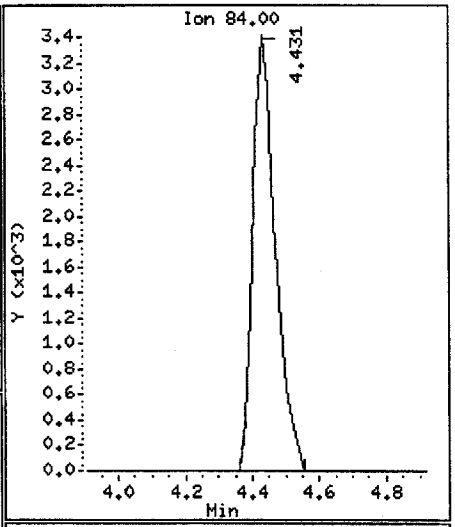
Concentration: 0.655600 ug/L

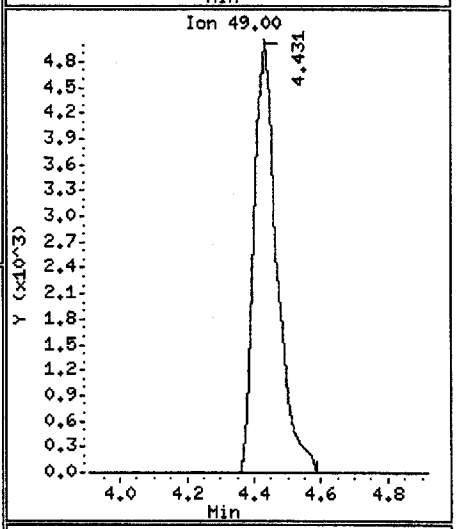


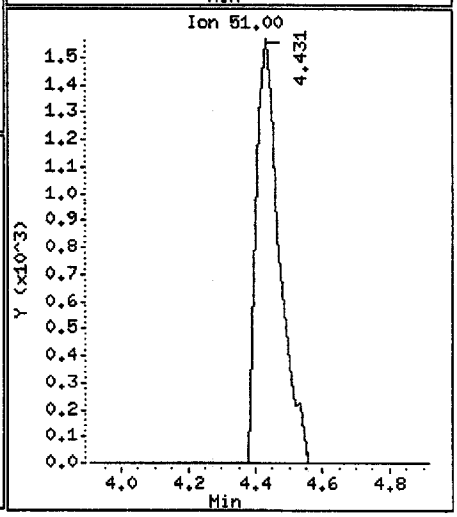












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D

Date : 25-SEP-2009 17:01

Client ID: TRIP BLANK

Instrument: E.i

Sample Info: LK27Q1AA, ,D9I180162-4TB pH<2

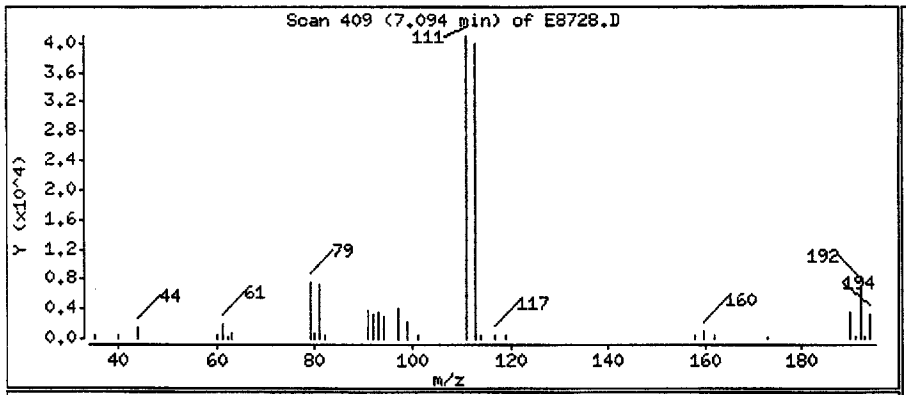
Operator: ZhouH

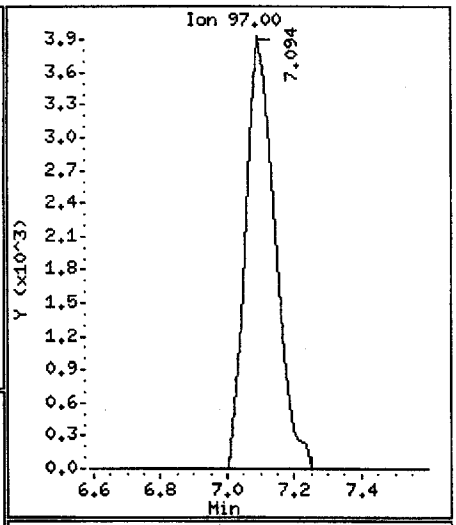
Column phase: DB624

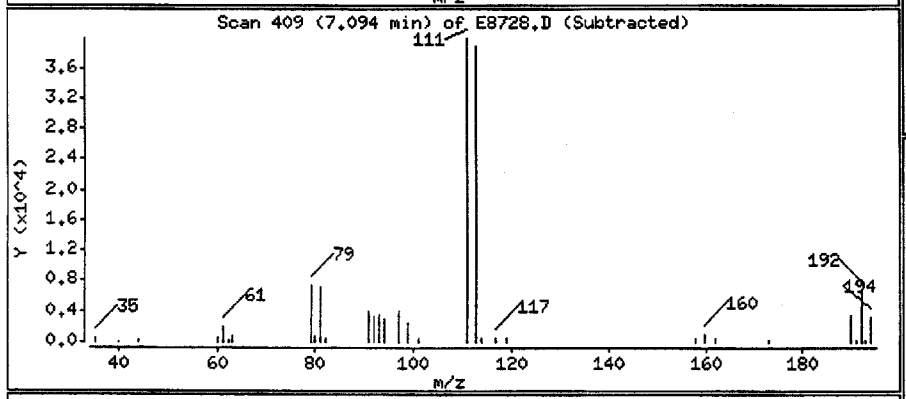
Column diameter: 0.53

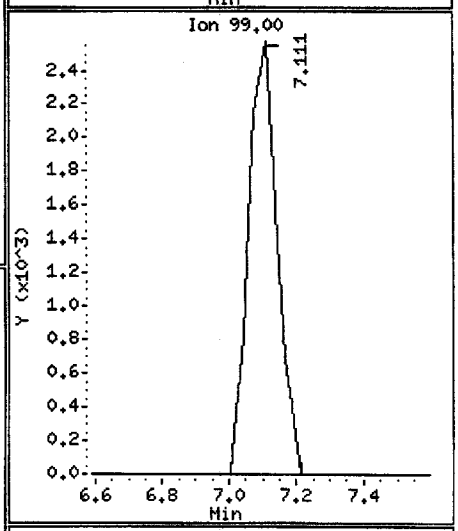
50 1,1,1-Trichloroethane

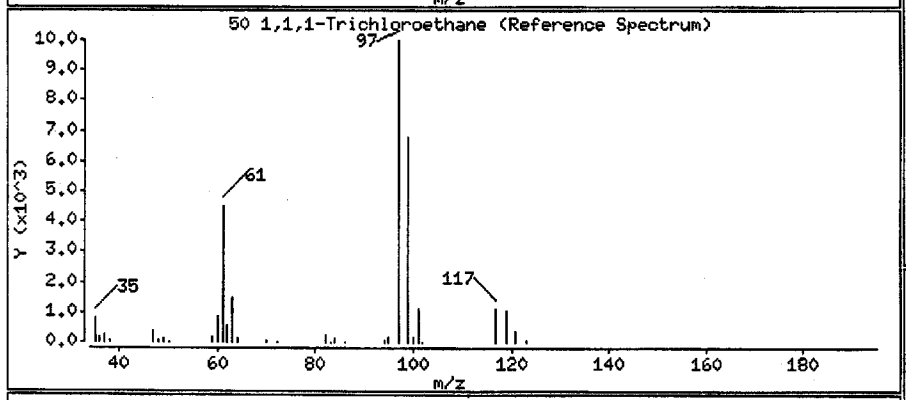
Concentration: 0.594406 ug/L

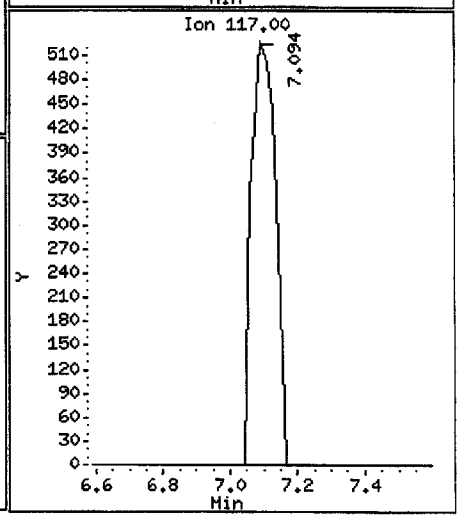


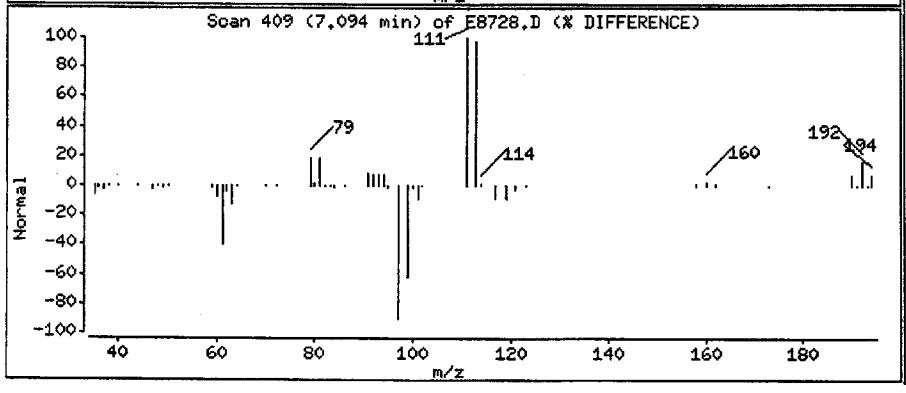












Data File: \\DenSvr03\Public\chem\MSV\E.i\092509.B\E8728.D

Date : 25-SEP-2009 17:01

Client ID: TRIP BLANK

Instrument: E.i

Sample Info: LK27Q1AA, ,D9I180162-4TB pH<2

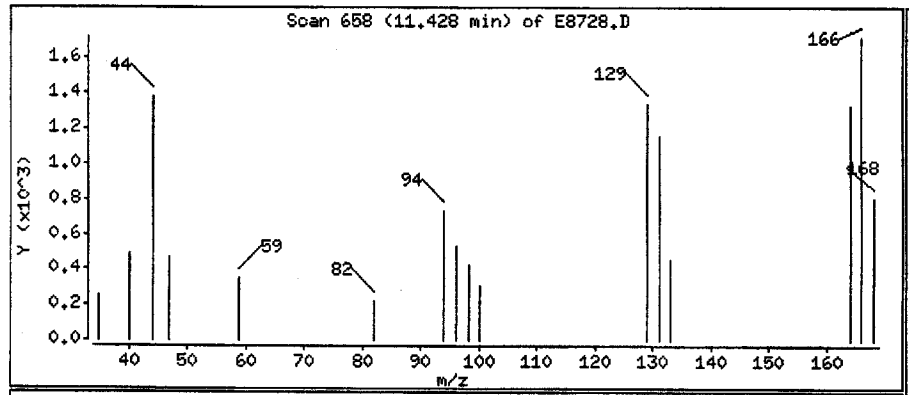
Operator: ZhouH

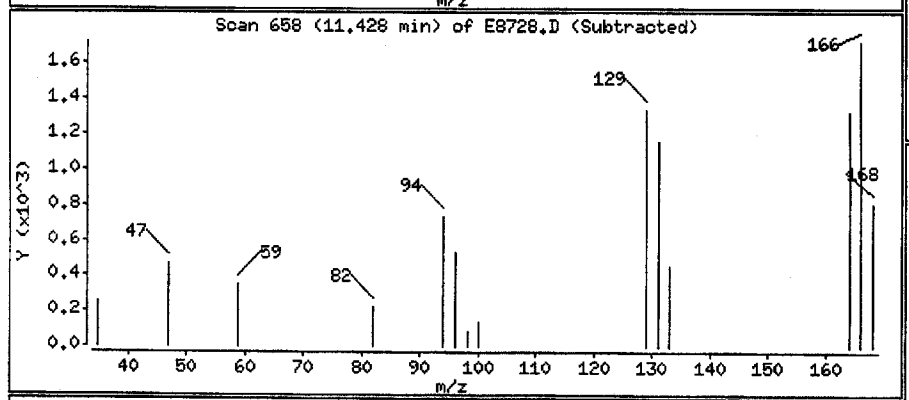
Column phase: DB624

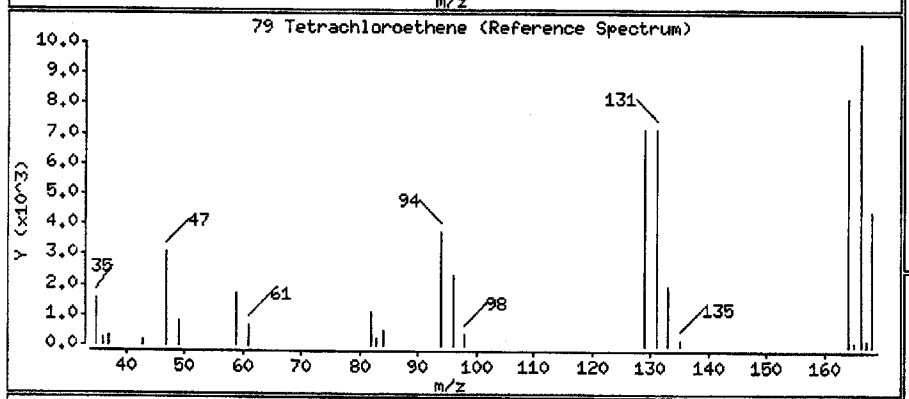
Column diameter: 0.53

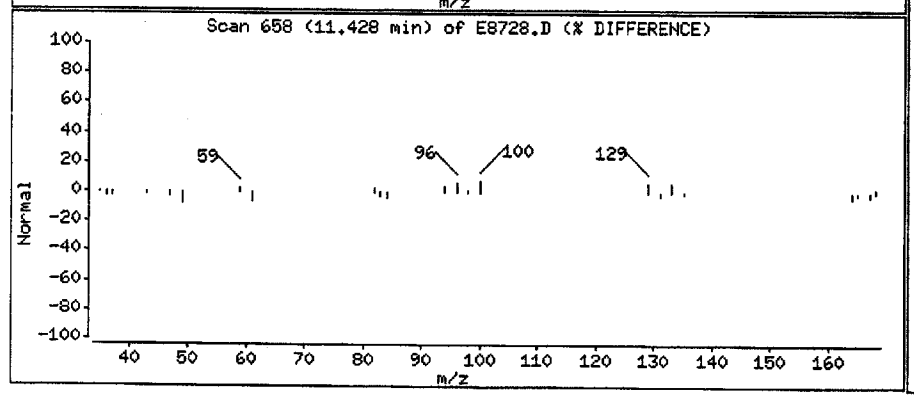
79 Tetrachloroethene

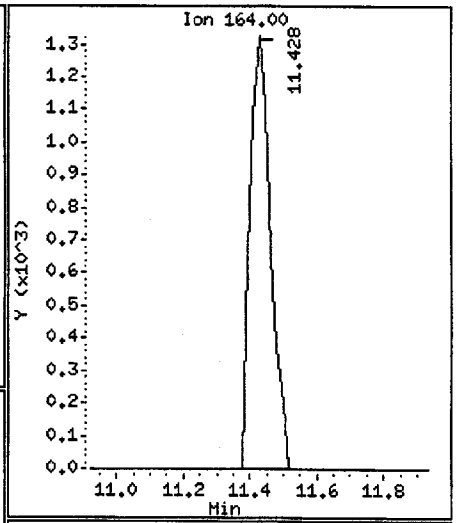
Concentration: 0.199925 ug/L

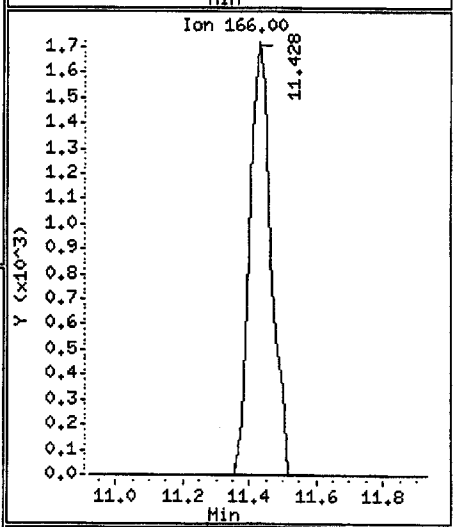


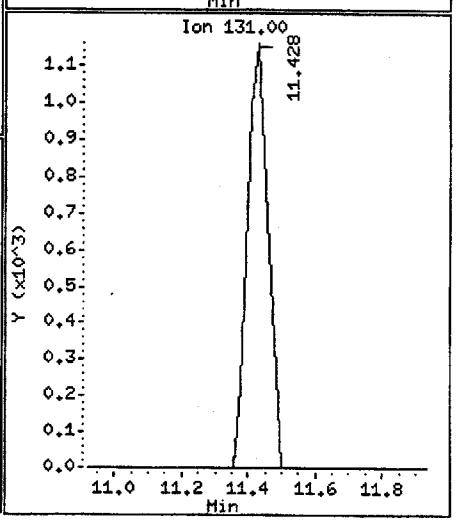












Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AE **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09
Prep Date.....: 09/22/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9265154 **Analysis Time..:** 16:30
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
a,a-Dimethylphenethyl-amine	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Acenaphthene	ND	4.0	ug/L
Acenaphthylene	ND	4.0	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	4.0	ug/L
Aramite	ND	40	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Benzyl alcohol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	4.0	ug/L
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dibenzofuran	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	4.0	ug/L
Dimethoate	ND	20	ug/L
4-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	20	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	4.0	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	30	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	4.0	ug/L
Diphenylamine	ND	10	ug/L
Disulfoton	ND	50	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	100	ug/L
Fluoranthene	ND	4.0	ug/L
Fluorene	ND	4.0	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Isodrin	ND	10	ug/L
Isophorone	ND	10	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl parathion	ND	50	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	4.0	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	10	ug/L
3-Nitroaniline	ND	10	ug/L
4-Nitroaniline	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
Parathion	ND	50	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	50	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	4.0	ug/L
Phenol	ND	10	ug/L
4-Phenylenediamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Sulfotepp	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AE **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
Thionazin	ND	50	ug/L
o-Toluidine	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Atrazine	ND	10	ug/L
Benzidine	ND	100	ug/L
Carbazole	ND	4.0	ug/L
Caprolactam	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(40 - 120)
Phenol-d5	80	(51 - 120)
Nitrobenzene-d5	74	(47 - 120)
2-Fluorobiphenyl	74	(37 - 120)
2,4,6-Tribromophenol	82	(47 - 120)
Terphenyl-d14	97	(30 - 127)

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3319.D
Lab Smp Id: LK2541AE Client Smp ID: 05-055-06166 (ROHR
Inj Date : 25-SEP-2009 16:30
Operator : kiekeld Inst ID: B.i
Smp Info : LK2541AE,,D9I180162-001
Misc Info : 9265154-H/A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Meth Date : 28-Sep-2009 08:20 kiekeld Quant Type: ISTD
Cal Date : 25-SEP-2009 10:25 Cal File: B3302.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL+AP9.sub
Target Version: 4.14
Processing Host: DENPC026

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	908.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.554	4.555	(1.000)	261339	40.0000	
* 58 Naphthalene-d8	136	5.793	5.794	(1.000)	1079441	40.0000	
* 96 Acenaphthene-d10	164	7.515	7.522	(1.000)	626607	40.0000	
* 135 Phenanthrene-d10	188	8.784	8.791	(1.000)	1160650	40.0000	
* 166 Chrysene-d12	240	10.829	10.841	(1.000)	1011801	40.0000	
* 179 Perylene-d12	264	12.063	12.075	(1.000)	700929	40.0000	
$ 8 2-Fluorophenol	112	3.332	3.333	(0.732)	1070333	115.937	127.683
$ 15 Phenol-d5	99	4.172	4.179	(0.916)	1371566	119.319	131.408
$ 43 Nitrobenzene-d5	82	5.088	5.089	(0.878)	726906	73.7838	81.2597
$ 81 2-Fluorobiphenyl	172	6.845	6.852	(0.911)	1410088	74.4292	81.9704
$ 118 2,4,6-Tribromophenol	330	8.208	8.215	(1.092)	302283	123.048	135.515
$ 154 Terphenyl-d14	244	9.983	9.989	(0.922)	1992471	96.9904	106.818
$ 29 1,2-Dichlorobenzene-d4	152	4.706	4.707	(1.034)	444228	71.1376	78.3454
$ 22 2-Chlorophenol-d4	132	4.336	4.343	(0.952)	1125049	121.841	134.186
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
18 Aniline	93	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
28 Benzyl alcohol	108	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	Compound Not Detected.					
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
76 Isosafrole (#1)	162	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
84 Isosafrole (#2)	104	Compound Not Detected.					
87 1-Chloronaphthalene	162	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.699	10.712	(0.988)	5514	2.33330	2.56971(a)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
4	1,4-Dioxane	88	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: B.i
Lab File ID: B3319.D
Lab Smp Id: LK2541AE
Analysis Type: SV
Quant Type: ISTD
Operator: kiekeld
Calibration Date: 25-SEP-2009
Calibration Time: 11:20
Client Smp ID: 05-055-06166 (F
Level: LOW
Sample Type: WATER
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	255636	127818	511272	261339	2.23
58 Naphthalene-d8	1008347	504174	2016694	1079441	7.05
96 Acenaphthene-d10	561696	280848	1123392	626607	11.56
135 Phenanthrene-d10	1039552	519776	2079104	1160650	11.65
166 Chrysene-d12	917763	458882	1835526	1011801	10.25
179 Perylene-d12	660793	330397	1321586	700929	6.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	4.56	4.06	5.06	4.55	-0.02
58 Naphthalene-d8	5.79	5.29	6.29	5.79	-0.02
96 Acenaphthene-d10	7.52	7.02	8.02	7.52	-0.09
135 Phenanthrene-d10	8.79	8.29	9.29	8.78	-0.08
166 Chrysene-d12	10.84	10.34	11.34	10.83	-0.12
179 Perylene-d12	12.08	11.58	12.58	12.06	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

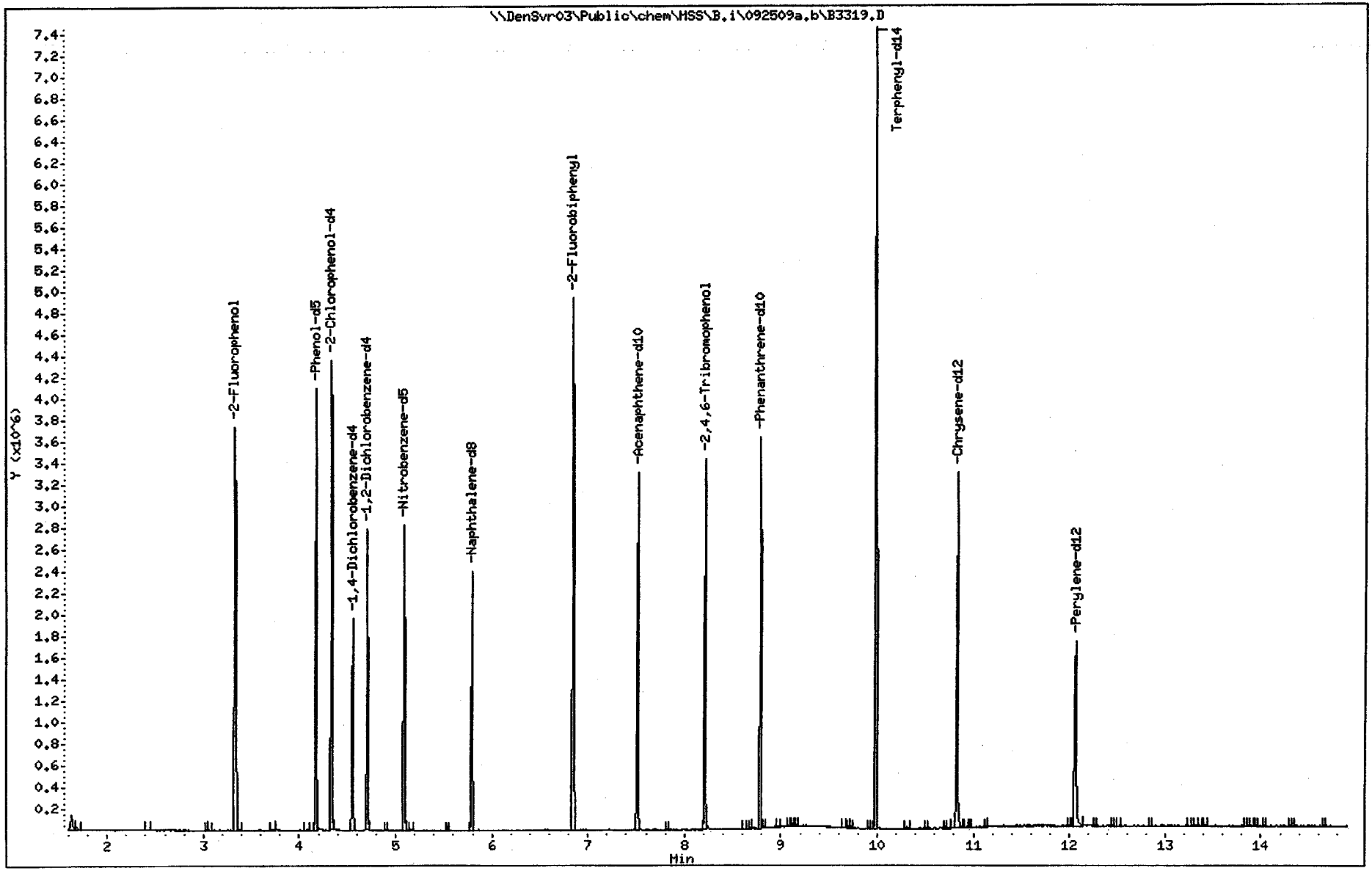
RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: LK2541AE Client Smp ID: 05-055-06166 (ROHR
Level: LOW Operator: kiekeld
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 625-DCS.spk Quant Type: ISTD
Sublist File: HSL+AP9.sub
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 8 2-Fluorophenol	165.198	127.683	77.29	40-120
$ 15 Phenol-d5	165.198	131.408	79.55	51-120
$ 43 Nitrobenzene-d5	110.132	81.2597	73.78	47-120
$ 81 2-Fluorobiphenyl	110.132	81.9704	74.43	37-120
$ 118 2,4,6-Tribromophen	165.198	135.515	82.03	47-120
$ 154 Terphenyl-d14	110.132	106.818	96.99	30-127
$ 29 1,2-Dichlorobenzen	110.132	78.3454	71.14	20-130
$ 22 2-Chlorophenol-d4	165.198	134.186	81.23	20-130

Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3319.D
Date : 25-SEP-2009 16:30
Client ID: 05-055-06166 (ROHR
Sample Info: LK2541AE,,D9I180162-001
Volume Injected (uL): 0.5
Column phase: Rtx-5ms 30m 0.5um

Instrument: B.i
Operator: kiekeld
Column diameter: 0.25



Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3319.D

Date : 25-SEP-2009 16:30

Client ID: 05-055-06166 (ROHR

Instrument: B.i

Sample Info: LK2541AE,,D9I180162-001

Volume Injected (uL): 0.5

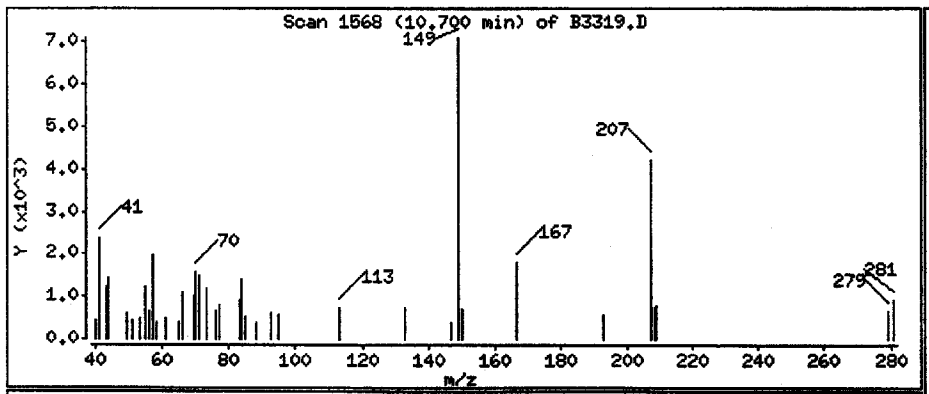
Operator: kiekeld

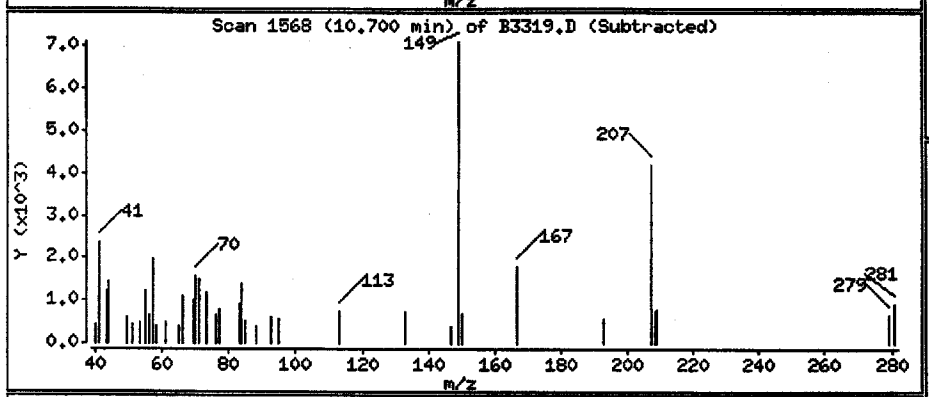
Column phase: Rtx-5ms 30m 0.5um

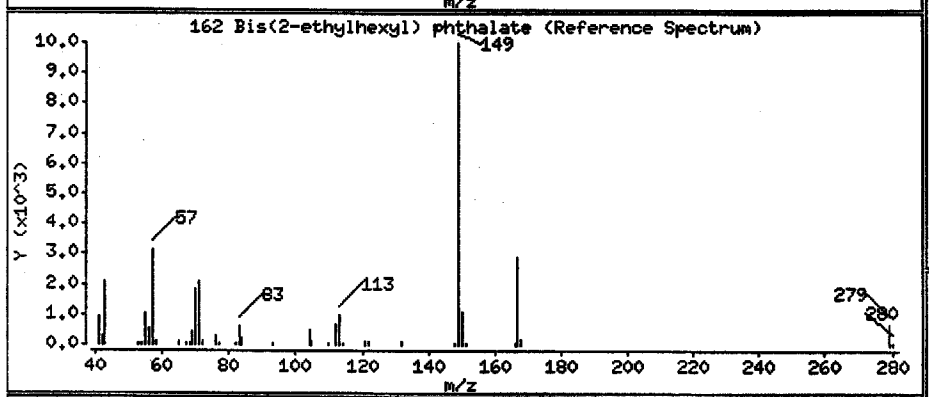
Column diameter: 0.25

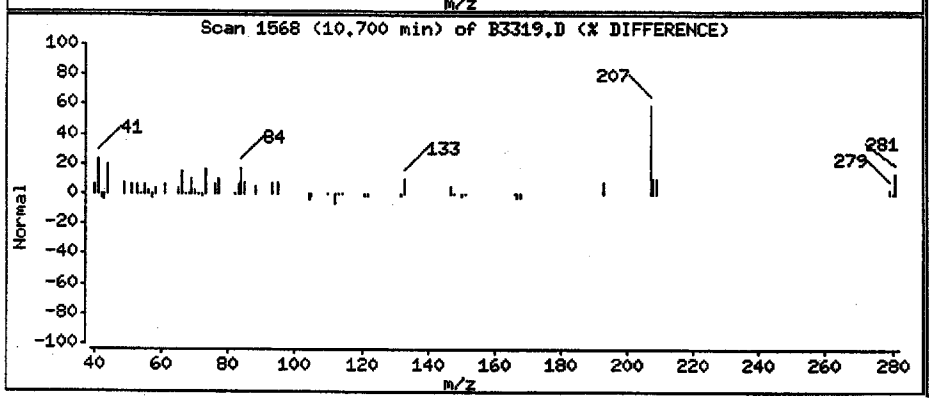
162 Bis(2-ethylhexyl) phthalate

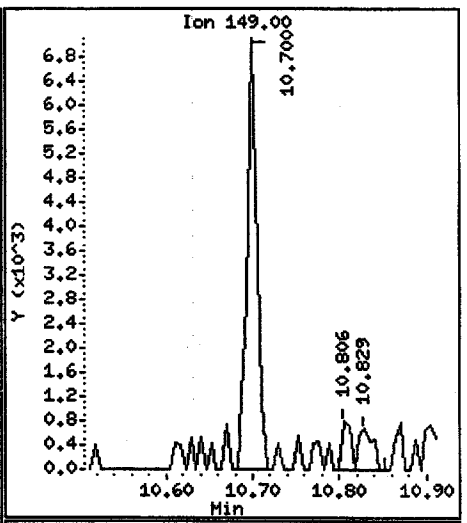
Concentration: 2.56971 ug/L

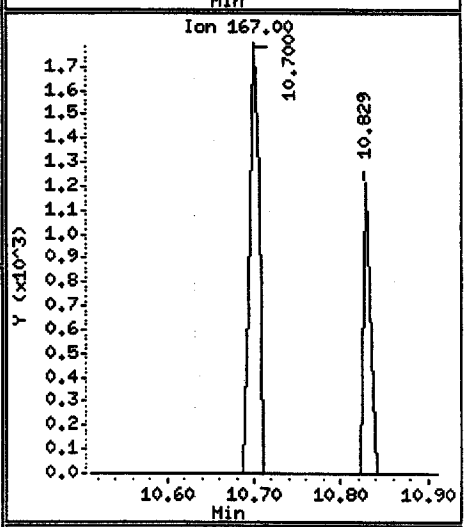


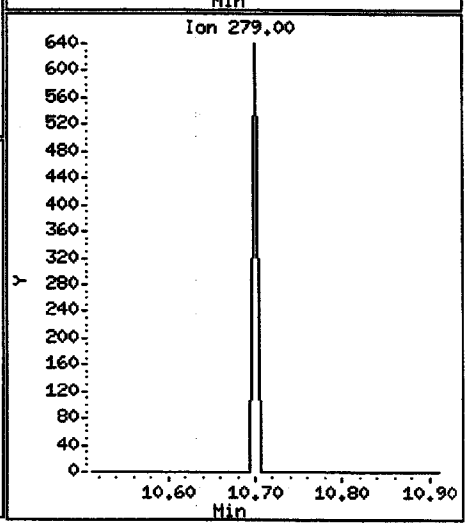












Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AQ **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:37 **Date Received..:** 09/18/09
Prep Date.....: 09/22/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9265154 **Analysis Time..:** 16:51
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
a,a-Dimethylphenethyl-amine	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Acenaphthene	ND	4.0	ug/L
Acenaphthylene	ND	4.0	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	4.0	ug/L
Aramite	ND	40	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Benzyl alcohol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	4.0	ug/L
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dibenzofuran	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	4.0	ug/L
Dimethoate	ND	20	ug/L
4-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	20	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	4.0	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	30	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	4.0	ug/L
Diphenylamine	ND	10	ug/L
Disulfoton	ND	50	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	100	ug/L
Fluoranthene	ND	4.0	ug/L
Fluorene	ND	4.0	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Isodrin	ND	10	ug/L
Isophorone	ND	10	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl parathion	ND	50	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	4.0	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	10	ug/L
3-Nitroaniline	ND	10	ug/L
4-Nitroaniline	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
Parathion	ND	50	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	50	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	4.0	ug/L
Phenol	ND	10	ug/L
4-Phenylenediamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Sulfotepp	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
Thionazin	ND	50	ug/L
o-Toluidine	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Atrazine	ND	10	ug/L
Benzidine	ND	100	ug/L
Carbazole	ND	4.0	ug/L
Caprolactam	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(40 - 120)
Phenol-d5	90	(51 - 120)
Nitrobenzene-d5	86	(47 - 120)
2-Fluorobiphenyl	83	(37 - 120)
2,4,6-Tribromophenol	95	(47 - 120)
Terphenyl-d14	103	(30 - 127)

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3320.D
Lab Smp Id: LK27H1AQ Client Smp ID: 05-055-06290 (ROHR
Inj Date : 25-SEP-2009 16:51
Operator : kiekeld Inst ID: B.i
Smp Info : LK27H1AQ,,D9I180162-002
Misc Info : 9265154-H/A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Meth Date : 28-Sep-2009 08:20 kiekeld Quant Type: ISTD
Cal Date : 25-SEP-2009 10:25 Cal File: B3302.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL+AP9.sub
Target Version: 4.14
Processing Host: DENPC026

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1044.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.554	4.555	(1.000)	259748	40.0000	
* 58 Naphthalene-d8	136	5.788	5.794	(1.000)	1052304	40.0000	
* 96 Acenaphthene-d10	164	7.516	7.522	(1.000)	609901	40.0000	
* 135 Phenanthrene-d10	188	8.785	8.791	(1.000)	1133302	40.0000	
* 166 Chrysene-d12	240	10.829	10.841	(1.000)	989207	40.0000	
* 179 Perylene-d12	264	12.063	12.075	(1.000)	696197	40.0000	
$ 8 2-Fluorophenol	112	3.332	3.333	(0.732)	1185838	129.235	123.788
$ 15 Phenol-d5	99	4.178	4.179	(0.917)	1543704	135.116	129.422
$ 43 Nitrobenzene-d5	82	5.089	5.089	(0.879)	827638	86.1749	82.5430
$ 81 2-Fluorobiphenyl	172	6.846	6.852	(0.911)	1539549	83.4884	79.9698
$ 118 2,4,6-Tribromophenol	330	8.209	8.215	(1.092)	340273	142.306	136.309
$ 154 Terphenyl-d14	244	9.983	9.989	(0.922)	2060989	102.617	98.2924
$ 29 1,2-Dichlorobenzene-d4	152	4.701	4.707	(1.032)	508058	81.8575	78.4076
$ 22 2-Chlorophenol-d4	132	4.337	4.343	(0.952)	1270098	138.392	132.560
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
18	Aniline	93	Compound Not Detected.					
24	Pentachloroethane	117	Compound Not Detected.					
20	Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23	2-Chlorophenol	128	Compound Not Detected.					
25	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	1,2-Dichlorobenzene	146	Compound Not Detected.					
28	Benzyl alcohol	108	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
34	2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
36	4-Methylphenol	108	Compound Not Detected.					
39	N-Nitrosopyrrolidine	100	Compound Not Detected.					
38	Acetophenone	105	Compound Not Detected.					
40	N-Nitrosomorpholine	116	Compound Not Detected.					
42	o-Toluidine	106	Compound Not Detected.					
37	N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41	Hexachloroethane	117	Compound Not Detected.					
44	Nitrobenzene	77	Compound Not Detected.					
46	N-Nitrosopiperidine	114	Compound Not Detected.					
47	Isophorone	82	Compound Not Detected.					
49	2-Nitrophenol	139	Compound Not Detected.					
51	O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50	2,4-Dimethylphenol	107	Compound Not Detected.					
52	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53	Benzoic acid	122	Compound Not Detected.					
55	a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54	2,4-Dichlorophenol	162	Compound Not Detected.					
57	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61	2,6-Dichlorophenol	162	Compound Not Detected.					
63	Hexachloropropene	213	Compound Not Detected.					
59	Naphthalene	128	5.812	5.818	(1.004)	42798	1.58966	1.52266(a)
60	4-Chloroaniline	127	Compound Not Detected.					
62	Hexachlorobutadiene	225	Compound Not Detected.					
64	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66	p-Phenylenediamine	108	Compound Not Detected.					
70	Safrole	162	Compound Not Detected.					
68	4-Chloro-3-methylphenol	107	Compound Not Detected.					
71	2-Methylnaphthalene	142	6.493	6.494	(1.122)	6672	0.39036	0.373904(a)
72	1-Methylnaphthalene	142	6.593	6.599	(1.139)	5917	0.34119	0.326806(a)
75	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74	Hexachlorocyclopentadiene	237	Compound Not Detected.					
76	Isosafrole (#1)	162	Compound Not Detected.					
79	2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
84	Isosafrole (#2)	104	Compound Not Detected.					
87	1-Chloronaphthalene	162	Compound Not Detected.					
86	2-Chloronaphthalene	162	Compound Not Detected.					
78	2,4,6-Trichlorophenol	196	Compound Not Detected.					
80	2,4,5-Trichlorophenol	196	Compound Not Detected.					
89	1,4-Naphthoquinone	158	Compound Not Detected.					
88	2-Nitroaniline	65	Compound Not Detected.					
90	1,4-Dinitrobenzene	168	Compound Not Detected.					
92	1,3-Dinitrobenzene	168	Compound Not Detected.					
91	Dimethyl phthalate	163	Compound Not Detected.					
93	2,6-Dinitrotoluene	165	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
94	Acenaphthylene	152	Compound Not Detected.					
95	3-Nitroaniline	138	Compound Not Detected.					
97	Acenaphthene	153	Compound Not Detected.					
100	Pentachlorobenzene	250	Compound Not Detected.					
98	2,4-Dinitrophenol	184	Compound Not Detected.					
99	4-Nitrophenol	109	Compound Not Detected.					
101	2,4-Dinitrotoluene	165	Compound Not Detected.					
102	Dibenzofuran	168	Compound Not Detected.					
103	1-Naphthylamine	143	Compound Not Detected.					
104	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106	2-Naphthylamine	143	Compound Not Detected.					
108	Thionazin	97	Compound Not Detected.					
107	Diethyl phthalate	149	Compound Not Detected.					
111	5-Nitro-o-toluidine	152	Compound Not Detected.					
110	Fluorene	166	Compound Not Detected.					
109	4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112	4-Nitroaniline	138	Compound Not Detected.					
113	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115	N-nitrosodiphenylamine	169	Compound Not Detected.					
114	Diphenylamine	169	Compound Not Detected.					
116	Azobenzene	77	Compound Not Detected.					
234	1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117	Sulfotepp	97	Compound Not Detected.					
120	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121	Phorate	121	Compound Not Detected.					
122	Phenacetin	108	Compound Not Detected.					
119	Diallate (#1)	86	Compound Not Detected.					
123	Diallate (#2)	86	Compound Not Detected.					
124	4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125	Hexachlorobenzene	284	Compound Not Detected.					
126	Dimethoate	87	Compound Not Detected.					
130	4-Aminobiphenyl	169	Compound Not Detected.					
131	Pentachloronitrobenzene	237	Compound Not Detected.					
132	Pronamide	173	Compound Not Detected.					
129	Pentachlorophenol	266	Compound Not Detected.					
134	2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133	Disulfoton	88	Compound Not Detected.					
136	Phenanthrene	178	Compound Not Detected.					
137	Anthracene	178	Compound Not Detected.					
140	Carbazole	167	Compound Not Detected.					
142	Methyl parathion	109	Compound Not Detected.					
143	Di-n-butyl phthalate	149	Compound Not Detected.					
145	Parathion	109	Compound Not Detected.					
146	4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147	Methapyrilene	97	Compound Not Detected.					
148	Isodrin	193	Compound Not Detected.					
149	Fluoranthene	202	Compound Not Detected.					
151	Benzidine	184	Compound Not Detected.					
152	Pyrene	202	Compound Not Detected.					
153	Aramite (#1)	185	Compound Not Detected.					
155	Aramite (#2)	185	Compound Not Detected.					
156	p-Dimethylaminoazobenzene	120	Compound Not Detected.					
160	3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159	Butyl benzyl phthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.700	10.712	(0.988)	5799	2.35650	2.25718(a)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
4	1,4-Dioxane	88	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: B.i
Lab File ID: B3320.D
Lab Smp Id: LK27H1AQ
Analysis Type: SV
Quant Type: ISTD
Operator: kiekeld
Calibration Date: 25-SEP-2009
Calibration Time: 11:20
Client Smp ID: 05-055-06290 (F
Level: LOW
Sample Type: WATER
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	255636	127818	511272	259748	1.61
58 Naphthalene-d8	1008347	504174	2016694	1052304	4.36
96 Acenaphthene-d10	561696	280848	1123392	609901	8.58
135 Phenanthrene-d10	1039552	519776	2079104	1133302	9.02
166 Chrysene-d12	917763	458882	1835526	989207	7.78
179 Perylene-d12	660793	330397	1321586	696197	5.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	4.56	4.06	5.06	4.55	-0.01
58 Naphthalene-d8	5.79	5.29	6.29	5.79	-0.11
96 Acenaphthene-d10	7.52	7.02	8.02	7.52	-0.08
135 Phenanthrene-d10	8.79	8.29	9.29	8.79	-0.07
166 Chrysene-d12	10.84	10.34	11.34	10.83	-0.11
179 Perylene-d12	12.08	11.58	12.58	12.06	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

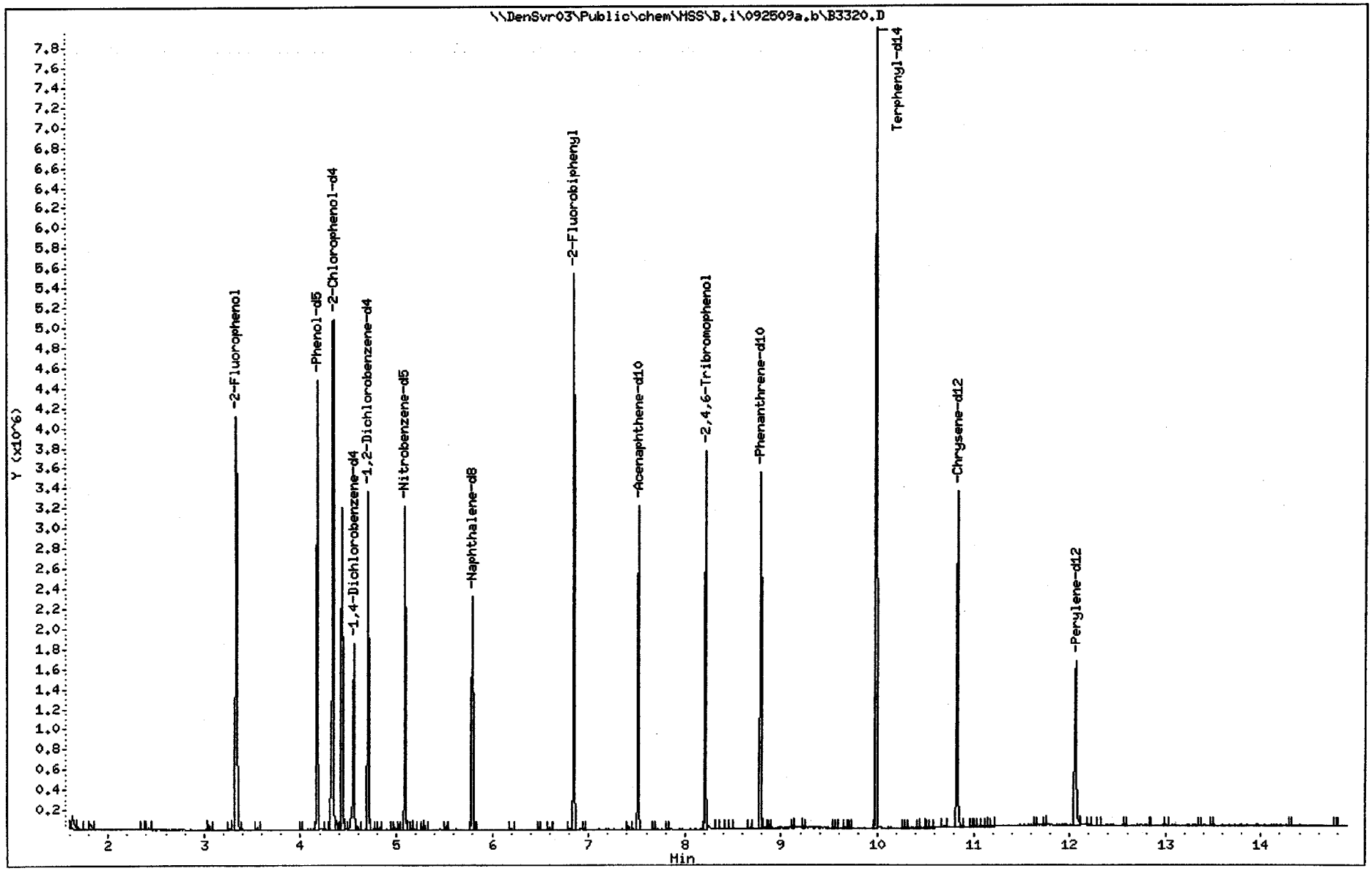
RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I180:
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: LK27H1AQ Client Smp ID: 05-055-06290 (ROHR
Level: LOW Operator: kiekeld
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 625-DCS.spk Quant Type: ISTD
Sublist File: HSL+AP9.sub
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 8 2-Fluorophenol	143.678	123.788	86.16	40-120
$ 15 Phenol-d5	143.678	129.422	90.08	51-120
$ 43 Nitrobenzene-d5	95.7854	82.5430	86.17	47-120
$ 81 2-Fluorobiphenyl	95.7854	79.9698	83.49	37-120
$ 118 2,4,6-Tribromophen	143.678	136.309	94.87	47-120
$ 154 Terphenyl-d14	95.7854	98.2924	102.62	30-127
$ 29 1,2-Dichlorobenzen	95.7854	78.4076	81.86	20-130
$ 22 2-Chlorophenol-d4	143.678	132.560	92.26	20-130

Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3320.D
Date : 25-SEP-2009 16:51
Client ID: 05-055-06290 (ROHR
Sample Info: LK27H1AQ,,D9I180162-002
Volume Injected (uL): 0.5
Column phase: Rtx-5ms 30m 0.5um

Instrument: B.i
Operator: kiekeld
Column diameter: 0.25



Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3320.D

Date : 25-SEP-2009 16:51

Client ID: 05-055-06290 (ROHR

Instrument: B.i

Sample Info: LK27H1AQ,,D9I180162-002

Volume Injected (uL): 0.5

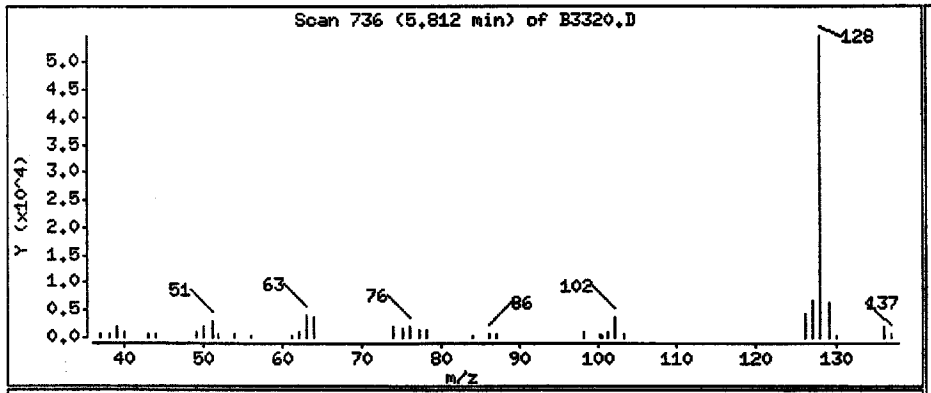
Operator: kiekeld

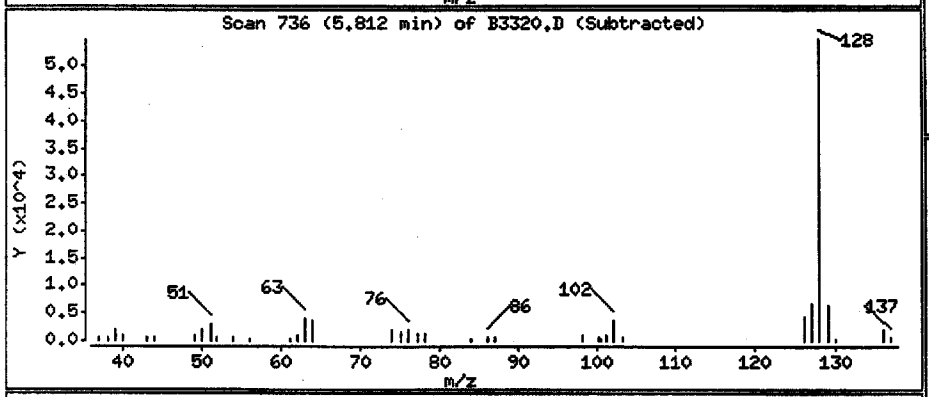
Column phase: Rtx-5ms 30m 0.5um

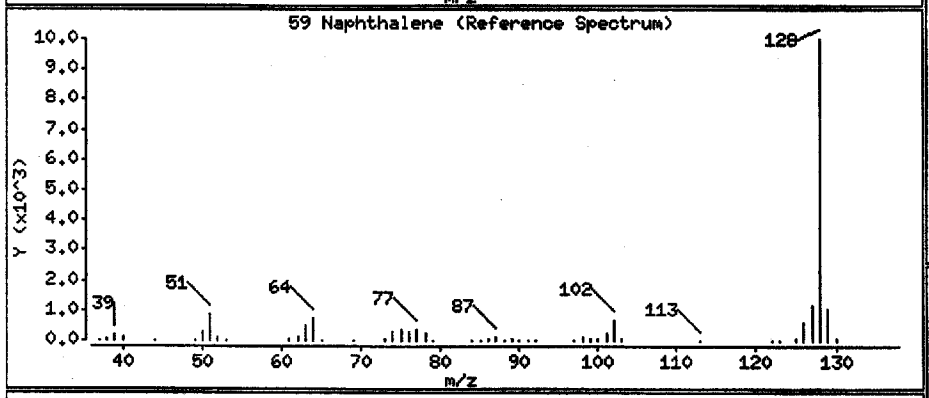
Column diameter: 0.25

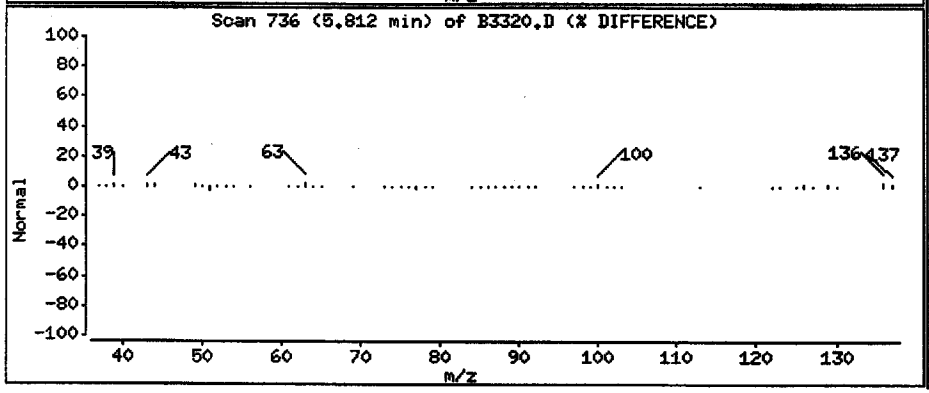
59 Naphthalene

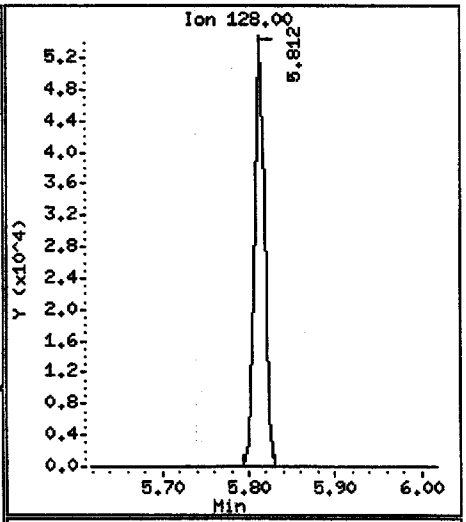
Concentration: 1.52266 ug/L

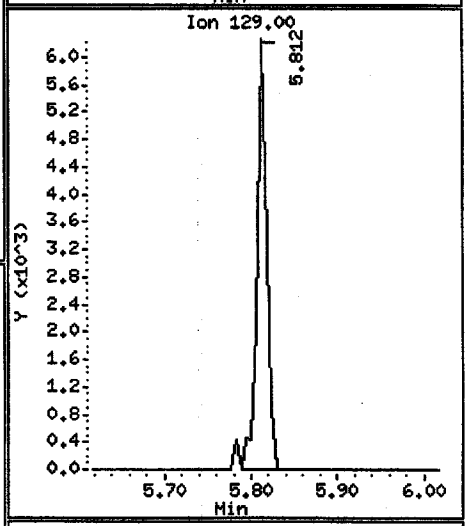


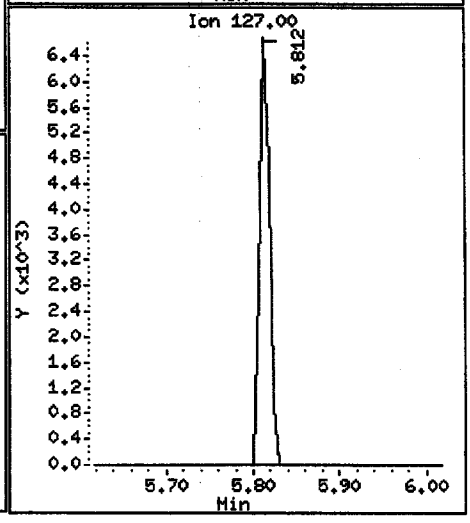












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Date : 25-SEP-2009 16:51

Client ID: 05-055-06290 (ROHR

Instrument: B.i

Sample Info: LK27H1AQ,,D9I180162-002

Volume Injected (uL): 0.5

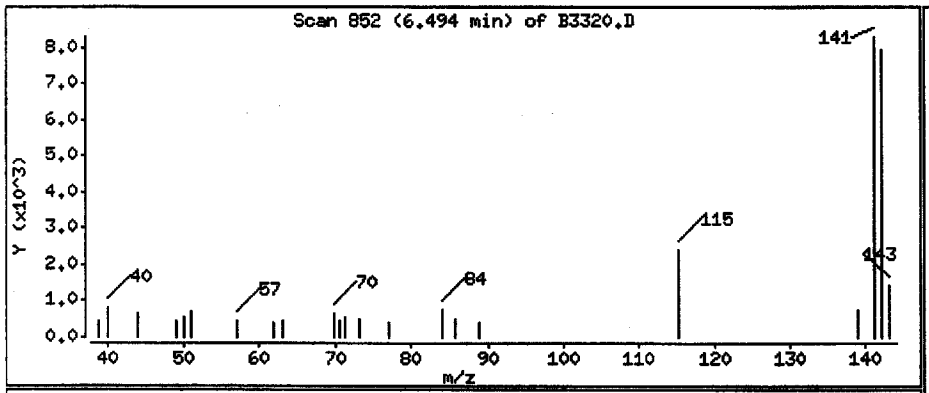
Operator: kiekeld

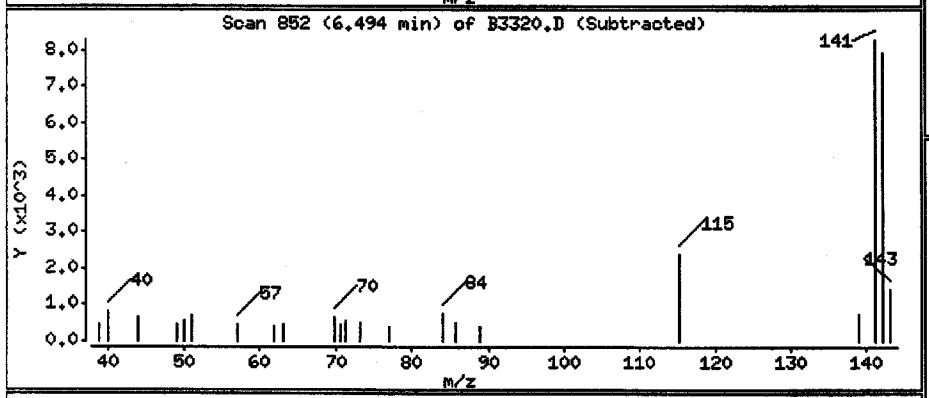
Column phase: Rtx-5ms 30m 0.5um

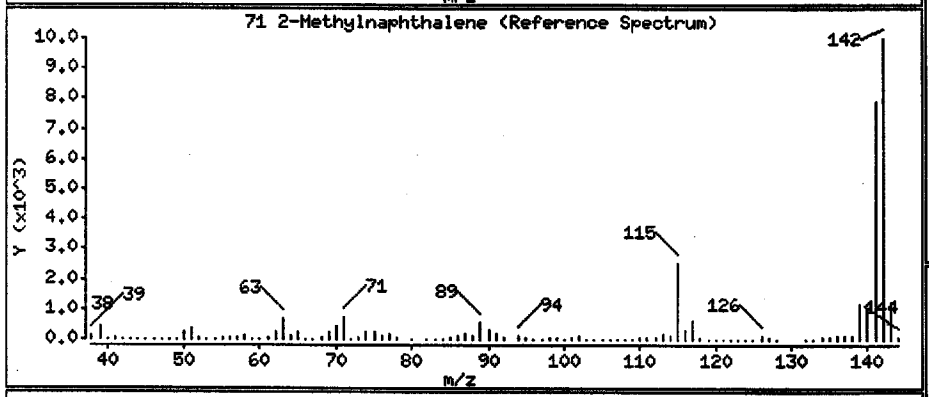
Column diameter: 0.25

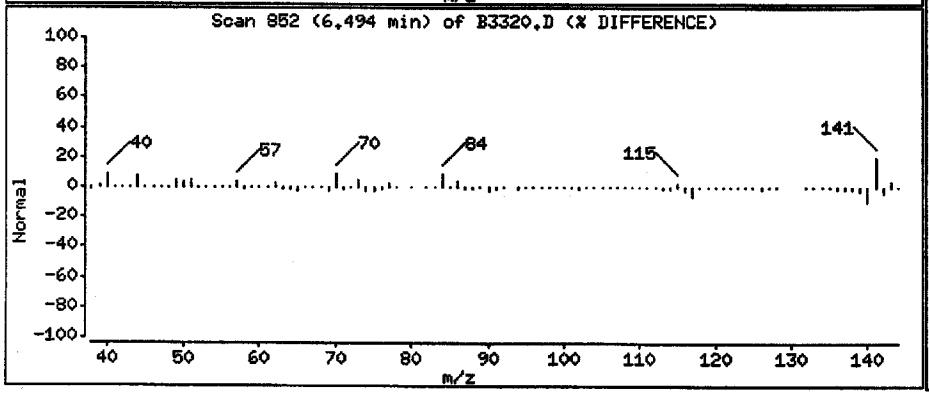
71 2-Methylnaphthalene

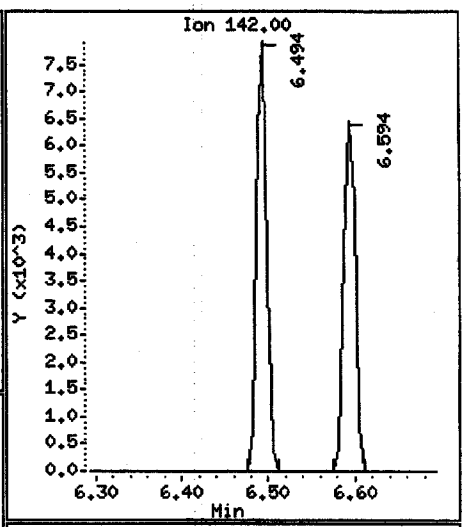
Concentration: 0.373904 ug/L

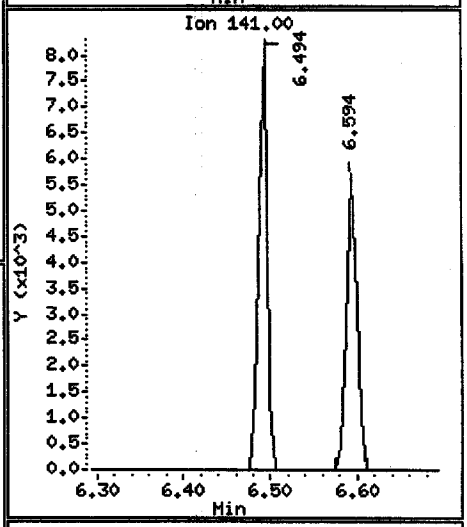


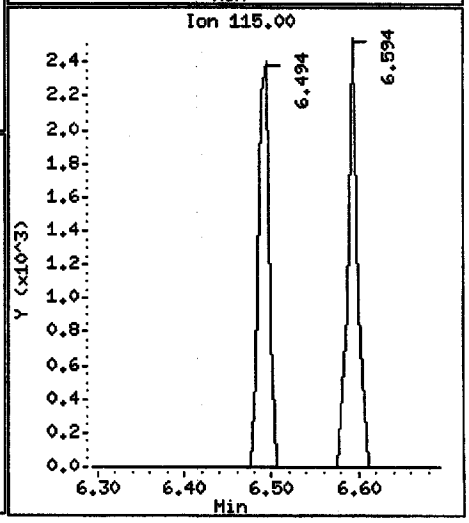












Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3320.D

Date : 25-SEP-2009 16:51

Client ID: 05-055-06290 (ROHR

Instrument: B.i

Sample Info: LK27H1AQ,,D9I180162-002

Volume Injected (uL): 0.5

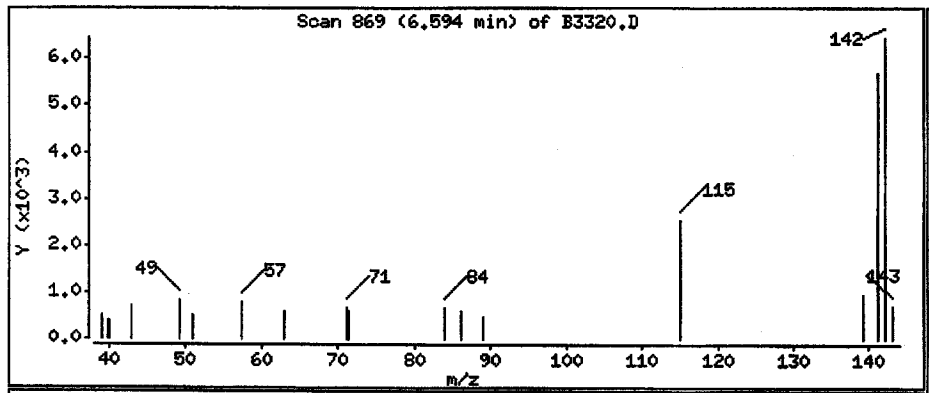
Operator: kiekeld

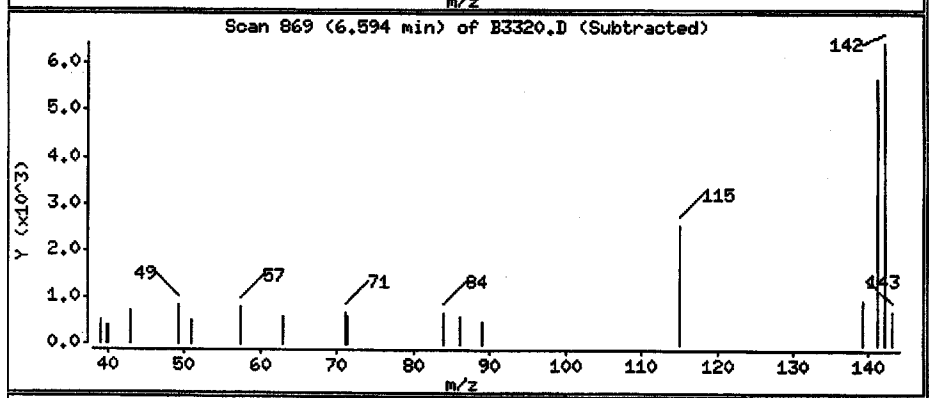
Column phase: Rtx-5ms 30m 0.5um

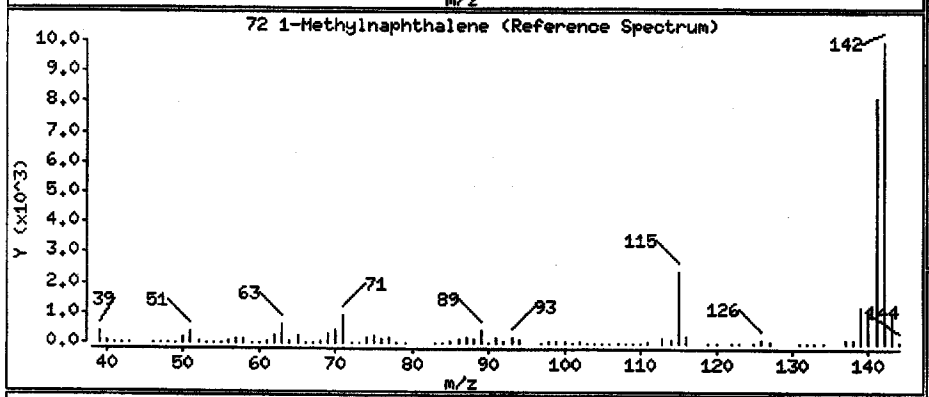
Column diameter: 0.25

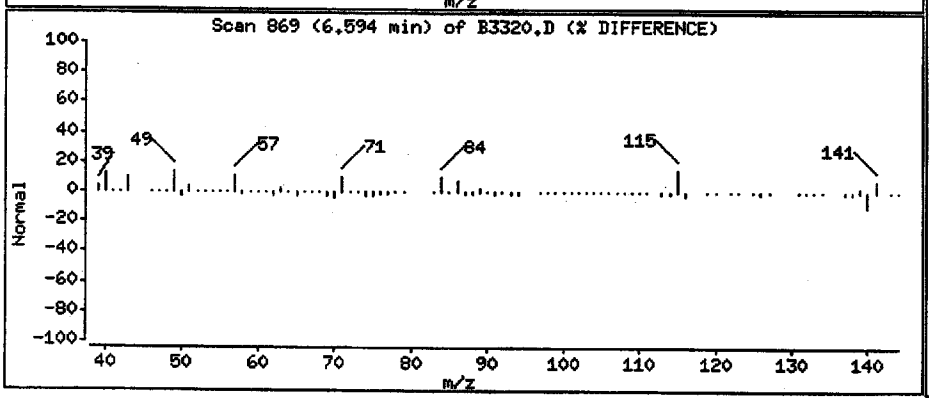
72 1-Methylnaphthalene

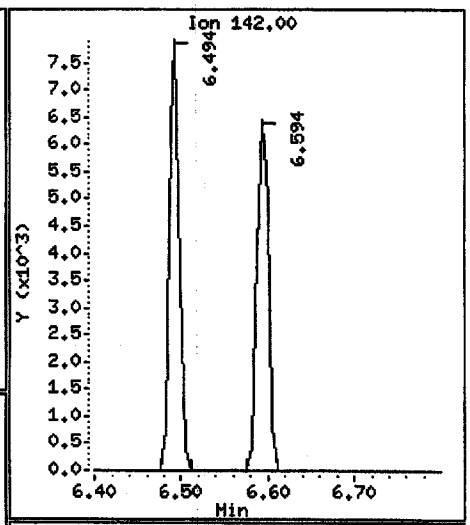
Concentration: 0.326806 ug/L

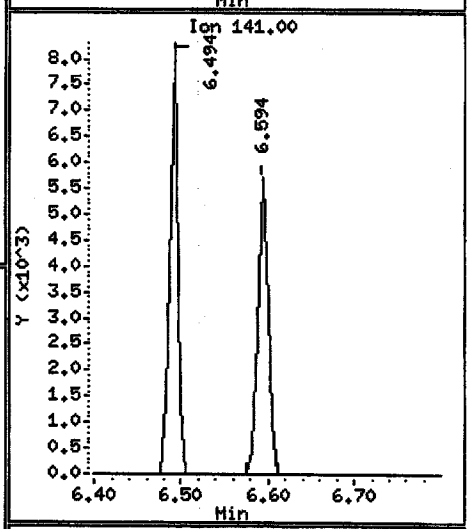


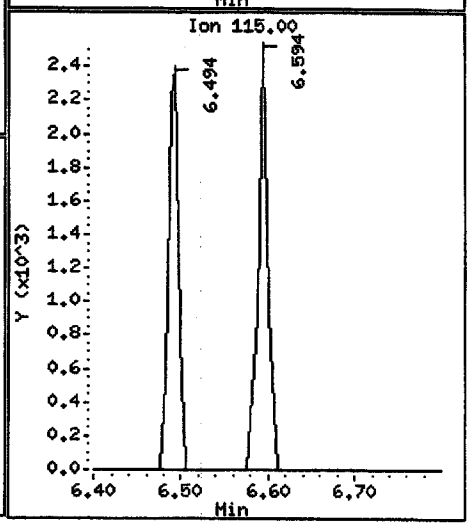












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Date : 25-SEP-2009 16:51

Client ID: 05-055-06290 (ROHR

Instrument: B.i

Sample Info: LK27H1AQ,,D9I180162-002

Volume Injected (uL): 0.5

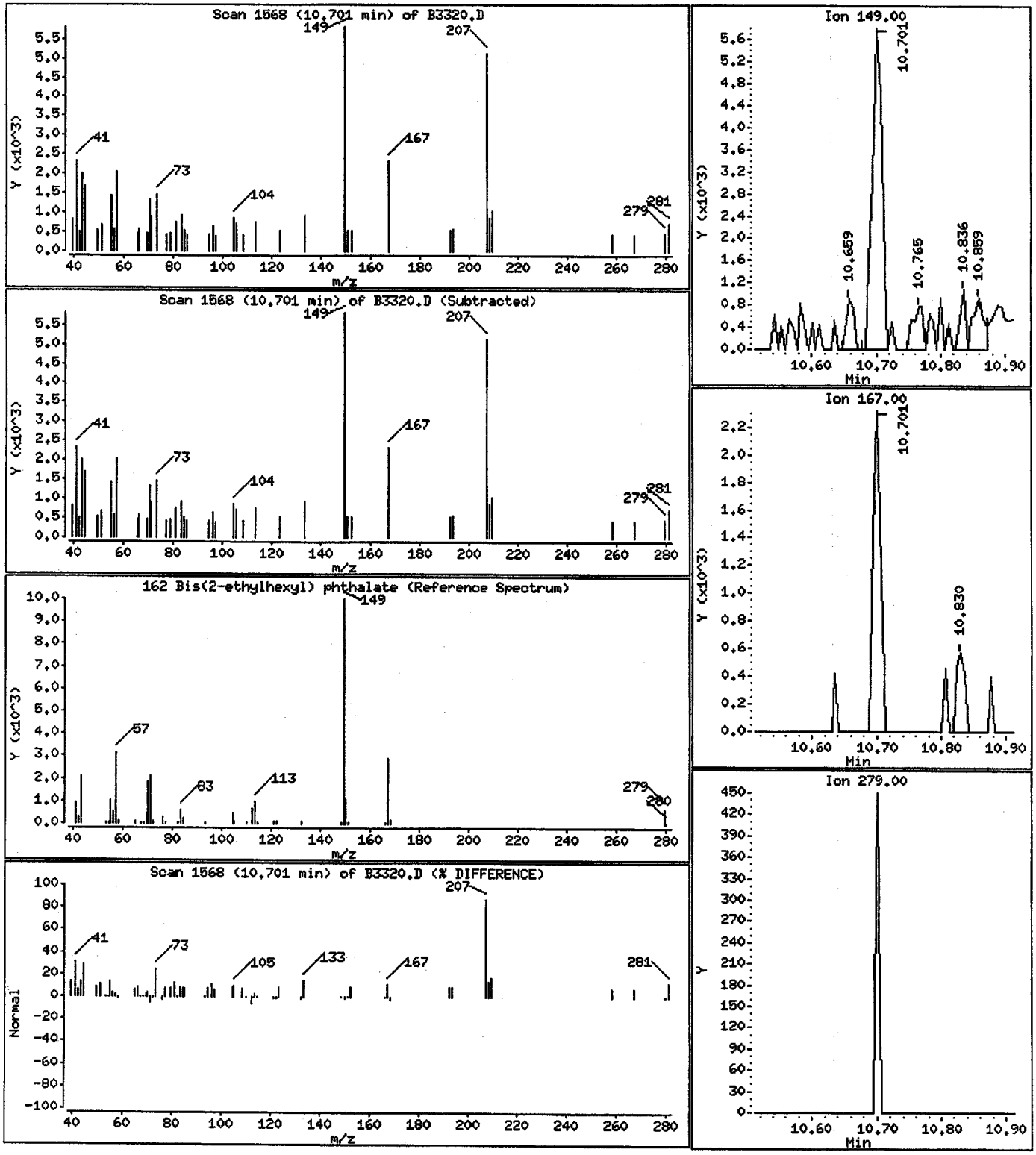
Operator: kiekeld

Column phase: Rtx-5ms 30m 0.5um

Column diameter: 0.25

162 Bis(2-ethylhexyl) phthalate

Concentration: 2.25718 ug/L



Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AQ **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09
Prep Date.....: 09/22/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9265154 **Analysis Time..:** 17:12
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
a,a-Dimethylphenethyl-amine	ND	50	ug/L
bis(2-Chloroisopropyl) ether	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Acenaphthene	ND	4.0	ug/L
Acenaphthylene	ND	4.0	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	4.0	ug/L
Aramite	ND	40	ug/L
Benzo(a)anthracene	ND	4.0	ug/L
Benzo(b)fluoranthene	ND	4.0	ug/L
Benzo(k)fluoranthene	ND	4.0	ug/L
Benzo(ghi)perylene	ND	4.0	ug/L
Benzo(a)pyrene	ND	4.0	ug/L
Benzyl alcohol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	4.0	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	4.0	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	4.0	ug/L
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dibenzofuran	ND	4.0	ug/L
Di-n-butyl phthalate	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	4.0	ug/L
Dimethoate	ND	20	ug/L
4-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	20	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	4.0	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	30	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	4.0	ug/L
Diphenylamine	ND	10	ug/L
Disulfoton	ND	50	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	100	ug/L
Fluoranthene	ND	4.0	ug/L
Fluorene	ND	4.0	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L
Isodrin	ND	10	ug/L
Isophorone	ND	10	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	4.0	ug/L

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methyl parathion	ND	50	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	4.0	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	10	ug/L
3-Nitroaniline	ND	10	ug/L
4-Nitroaniline	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
Parathion	ND	50	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	50	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	4.0	ug/L
Phenol	ND	10	ug/L
4-Phenylenediamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Sulfotepp	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC/MS Semivolatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AQ **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
Thionazin	ND	50	ug/L
o-Toluidine	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Atrazine	ND	10	ug/L
Benzidine	ND	100	ug/L
Carbazole	ND	4.0	ug/L
Caprolactam	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(40 - 120)
Phenol-d5	90	(51 - 120)
Nitrobenzene-d5	84	(47 - 120)
2-Fluorobiphenyl	83	(37 - 120)
2,4,6-Tribromophenol	86	(47 - 120)
Terphenyl-d14	99	(30 - 127)

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3321.D
Lab Smp Id: LK27L1AQ Client Smp ID: 05-055-06165 (ROHR
Inj Date : 25-SEP-2009 17:12
Operator : kiekeld Inst ID: B.i
Smp Info : LK27L1AQ,,D9I180162-003
Misc Info : 9265154-H/A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Meth Date : 28-Sep-2009 08:20 kiekeld Quant Type: ISTD
Cal Date : 25-SEP-2009 10:25 Cal File: B3302.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL+AP9.sub
Target Version: 4.14
Processing Host: DENPC026

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	930.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.554	4.555	(1.000)	259931	40.0000	
* 58 Naphthalene-d8	136	5.794	5.794	(1.000)	1058403	40.0000	
* 96 Acenaphthene-d10	164	7.515	7.522	(1.000)	620651	40.0000	
* 135 Phenanthrene-d10	188	8.784	8.791	(1.000)	1147528	40.0000	
* 166 Chrysene-d12	240	10.835	10.841	(1.000)	990456	40.0000	
* 179 Perylene-d12	264	12.069	12.075	(1.000)	684531	40.0000	
$ 8 2-Fluorophenol	112	3.332	3.333	(0.732)	1182170	128.744	138.435
$ 15 Phenol-d5	99	4.178	4.179	(0.917)	1545707	135.196	145.372
$ 43 Nitrobenzene-d5	82	5.089	5.089	(0.878)	806697	83.5105	89.7962
$ 81 2-Fluorobiphenyl	172	6.845	6.852	(0.911)	1555278	82.8806	89.1189
$ 118 2,4,6-Tribromophenol	330	8.214	8.215	(1.093)	312595	128.467	138.136
$ 154 Terphenyl-d14	244	9.983	9.989	(0.921)	2000757	99.4926	106.981
$ 29 1,2-Dichlorobenzene-d4	152	4.701	4.707	(1.032)	501793	80.7912	86.8722
$ 22 2-Chlorophenol-d4	132	4.336	4.343	(0.952)	1257345	136.906	147.211
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
6 Pyridine	79	Compound Not Detected.					
9 2-Picoline	93	Compound Not Detected.					
10 N-Nitrosomethylethylamine	88	Compound Not Detected.					
11 Methyl methanesulfonate	80	Compound Not Detected.					
12 N-Nitrosodiethylamine	102	Compound Not Detected.					
13 Ethyl methanesulfonate	79	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
18 Aniline	93	Compound Not Detected.					
24 Pentachloroethane	117	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
28 Benzyl alcohol	108	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
39 N-Nitrosopyrrolidine	100	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
40 N-Nitrosomorpholine	116	Compound Not Detected.					
42 o-Toluidine	106	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
46 N-Nitrosopiperidine	114	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
51 O,O,O-Triethyl phosphorothio	198	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
55 a,a-Dimethylphenethylamine	58	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
61 2,6-Dichlorophenol	162	Compound Not Detected.					
63 Hexachloropropene	213	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
64 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
66 p-Phenylenediamine	108	Compound Not Detected.					
70 Safrole	162	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
75 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
76 Isosafrole (#1)	162	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
84 Isosafrole (#2)	104	Compound Not Detected.					
87 1-Chloronaphthalene	162	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
89 1,4-Naphthoquinone	158	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
90 1,4-Dinitrobenzene	168	Compound Not Detected.					
92 1,3-Dinitrobenzene	168	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
100 Pentachlorobenzene	250	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
103 1-Naphthylamine	143	Compound Not Detected.					
104 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
106 2-Naphthylamine	143	Compound Not Detected.					
108 Thionazin	97	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
111 5-Nitro-o-toluidine	152	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
114 Diphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
117 Sulfotepp	97	Compound Not Detected.					
120 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
121 Phorate	121	Compound Not Detected.					
122 Phenacetin	108	Compound Not Detected.					
119 Diallate (#1)	86	Compound Not Detected.					
123 Diallate (#2)	86	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
126 Dimethoate	87	Compound Not Detected.					
130 4-Aminobiphenyl	169	Compound Not Detected.					
131 Pentachloronitrobenzene	237	Compound Not Detected.					
132 Pronamide	173	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
134 2-secbutyl-4,6-dinitropheno	211	Compound Not Detected.					
133 Disulfoton	88	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
142 Methyl parathion	109	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					
145 Parathion	109	Compound Not Detected.					
146 4-Nitroquinoline-1-oxide	190	Compound Not Detected.					
147 Methapyrilene	97	Compound Not Detected.					
148 Isodrin	193	Compound Not Detected.					
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
153 Aramite (#1)	185	Compound Not Detected.					
155 Aramite (#2)	185	Compound Not Detected.					
156 p-Dimethylaminoazobenzene	120	Compound Not Detected.					
160 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
161	2-Acetylaminofluorene	181	Compound Not Detected.					
164	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
162	Bis(2-ethylhexyl) phthalate	149	10.705	10.712	(0.988)	4707	2.29409	2.46676(a)
165	Benzo(a)anthracene	228	Compound Not Detected.					
167	Chrysene	228	Compound Not Detected.					
168	Di-n-octyl phthalate	149	Compound Not Detected.					
176	7,12-Dimethylbenz(a)anthrac	256	Compound Not Detected.					
171	Benzo(b)fluoranthene	252	Compound Not Detected.					
172	Benzo(k)fluoranthene	252	Compound Not Detected.					
178	Benzo(a)pyrene	252	Compound Not Detected.					
181	3-Methylcholanthrene	268	Compound Not Detected.					
184	Dibenz(a,j)acridine	279	Compound Not Detected.					
186	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185	Dibenz(a,h)anthracene	278	Compound Not Detected.					
188	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 173	Total Isosafrole	162	Compound Not Detected.					
M 174	Total Diallate	86	Compound Not Detected.					
M 175	Total Aramite	185	Compound Not Detected.					
157	Chlorobenzilate	251	Compound Not Detected.					
19	Methyl Styrene	118	Compound Not Detected.					
35	1H-Indene	116	Compound Not Detected.					
4	1,4-Dioxane	88	Compound Not Detected.					
85	Biphenyl	154	Compound Not Detected.					
170	Hexachlorophene	196	Compound Not Detected.					
127	Atrazine	200	Compound Not Detected.					
67	Caprolactam	55	Compound Not Detected.					
141	Alachlor	188	Compound Not Detected.					
158	Famphur	218	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: B.i
Lab File ID: B3321.D
Lab Smp Id: LK27L1AQ
Analysis Type: SV
Quant Type: ISTD
Operator: kiekeld
Calibration Date: 25-SEP-2009
Calibration Time: 11:20
Client Smp ID: 05-055-06165 (I
Level: LOW
Sample Type: WATER
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	255636	127818	511272	259931	1.68
58 Naphthalene-d8	1008347	504174	2016694	1058403	4.96
96 Acenaphthene-d10	561696	280848	1123392	620651	10.50
135 Phenanthrene-d10	1039552	519776	2079104	1147528	10.39
166 Chrysene-d12	917763	458882	1835526	990456	7.92
179 Perylene-d12	660793	330397	1321586	684531	3.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
26 1,4-Dichlorobenze	4.56	4.06	5.06	4.55	-0.02
58 Naphthalene-d8	5.79	5.29	6.29	5.79	-0.01
96 Acenaphthene-d10	7.52	7.02	8.02	7.52	-0.09
135 Phenanthrene-d10	8.79	8.29	9.29	8.78	-0.08
166 Chrysene-d12	10.84	10.34	11.34	10.84	-0.06
179 Perylene-d12	12.08	11.58	12.58	12.07	-0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

TestAmerica

RECOVERY REPORT

Client Name: Colorado Oil&Gas Con18-SEP-2009 00:00 Client SDG: D9I1801
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: LK27L1AQ Client Smp ID: 05-055-06165 (ROHR
Level: LOW Operator: kiekeld
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 625-DCS.spk Quant Type: ISTD
Sublist File: HSL+AP9.sub
Method File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\8270C.m
Misc Info: 9265154-H/A

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 8 2-Fluorophenol	161.290	138.435	85.83	40-120
$ 15 Phenol-d5	161.290	145.372	90.13	51-120
$ 43 Nitrobenzene-d5	107.527	89.7962	83.51	47-120
$ 81 2-Fluorobiphenyl	107.527	89.1189	82.88	37-120
$ 118 2,4,6-Tribromophen	161.290	138.136	85.64	47-120
$ 154 Terphenyl-d14	107.527	106.981	99.49	30-127
$ 29 1,2-Dichlorobenzen	107.527	86.8722	80.79	20-130
$ 22 2-Chlorophenol-d4	161.290	147.211	91.27	20-130

Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3321.D

Date : 25-SEP-2009 17:12

Client ID: 05-055-06165 (ROHR

Instrument: B.i

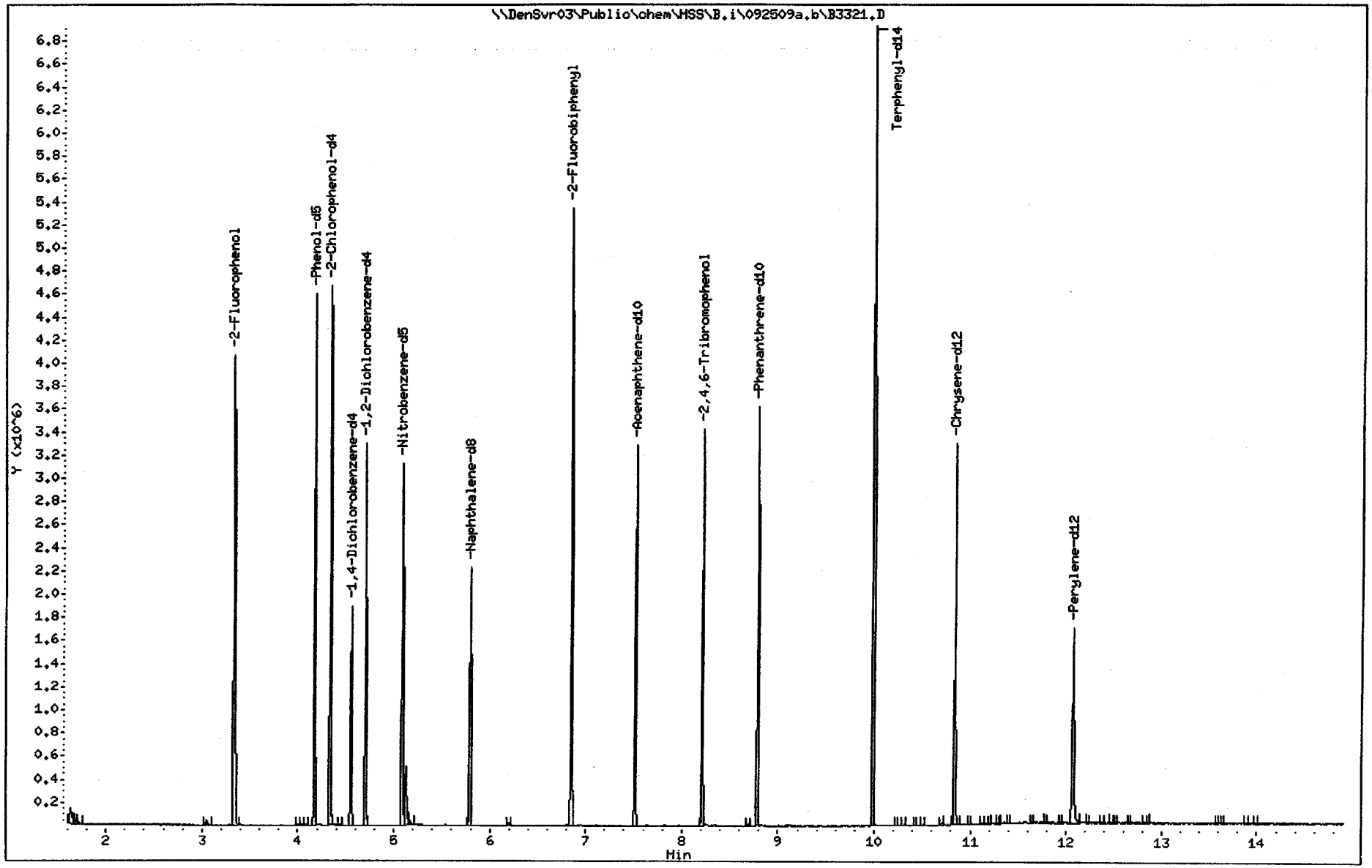
Sample Info: LK27L1AQ,,D9I180162-003

Volume Injected (uL): 0.5

Operator: kiekeld

Column phase: Rtx-5ms 30m 0.5um

Column diameter: 0.25



Data File: \\DenSvr03\Public\chem\MSS\B.i\092509a.b\B3321.D

Date : 25-SEP-2009 17:12

Client ID: 05-055-06165 (RDHR

Instrument: B.i

Sample Info: LK27L1AQ,,D9I180162-003

Volume Injected (uL): 0.5

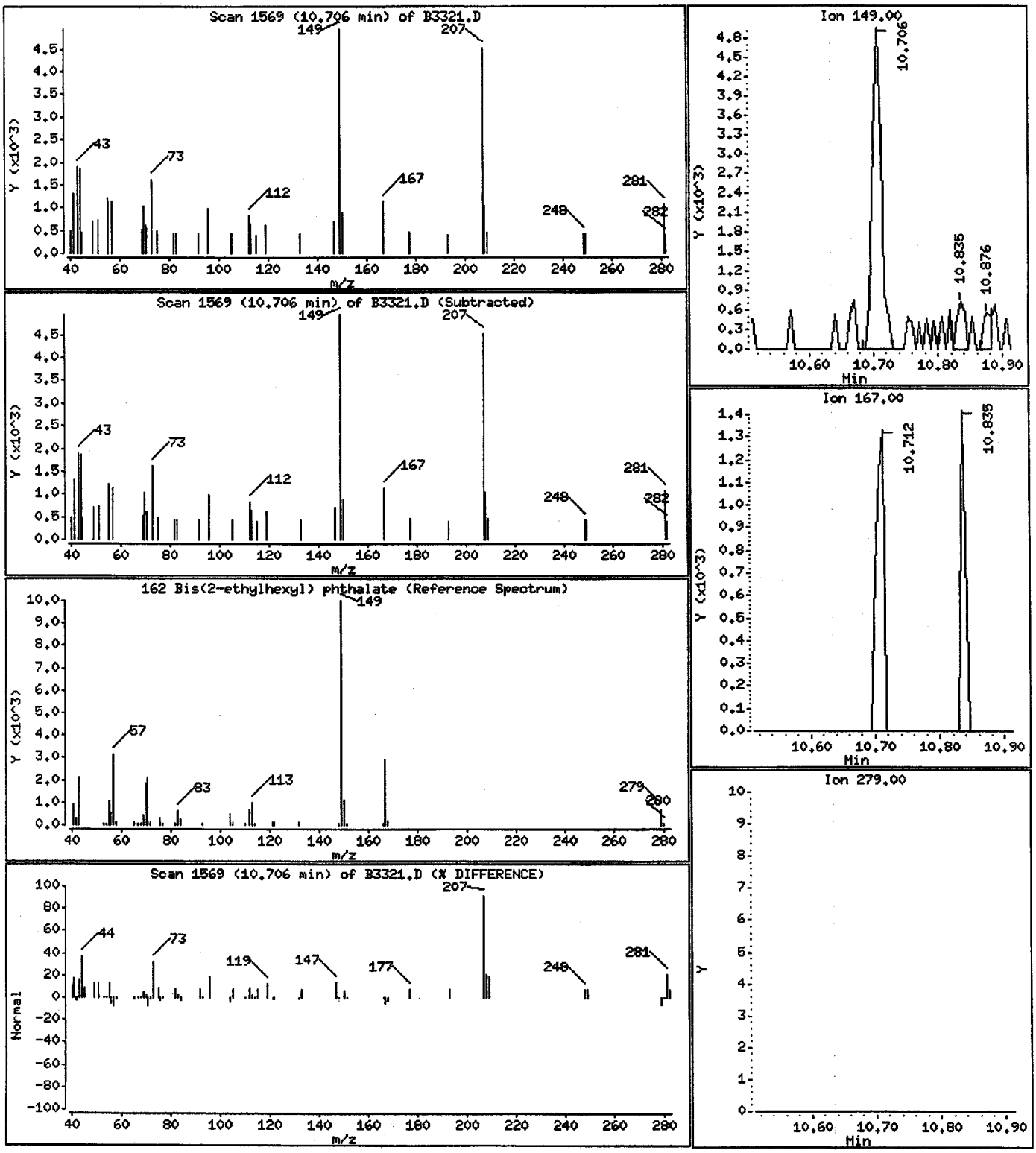
Operator: kiekeld

Column phase: Rtx-5ms 30m 0.5um

Column diameter: 0.25

162 Bis(2-ethylhexyl) phthalate

Concentration: 2.46676 ug/L



Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

GC Volatiles

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK2541AA **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 13:04
Dilution Factor: 50

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	**11000**	**250**	**ug/L**
Ethane	ND	250	ug/L
Ethene	ND	250	ug/L

TestAmerica

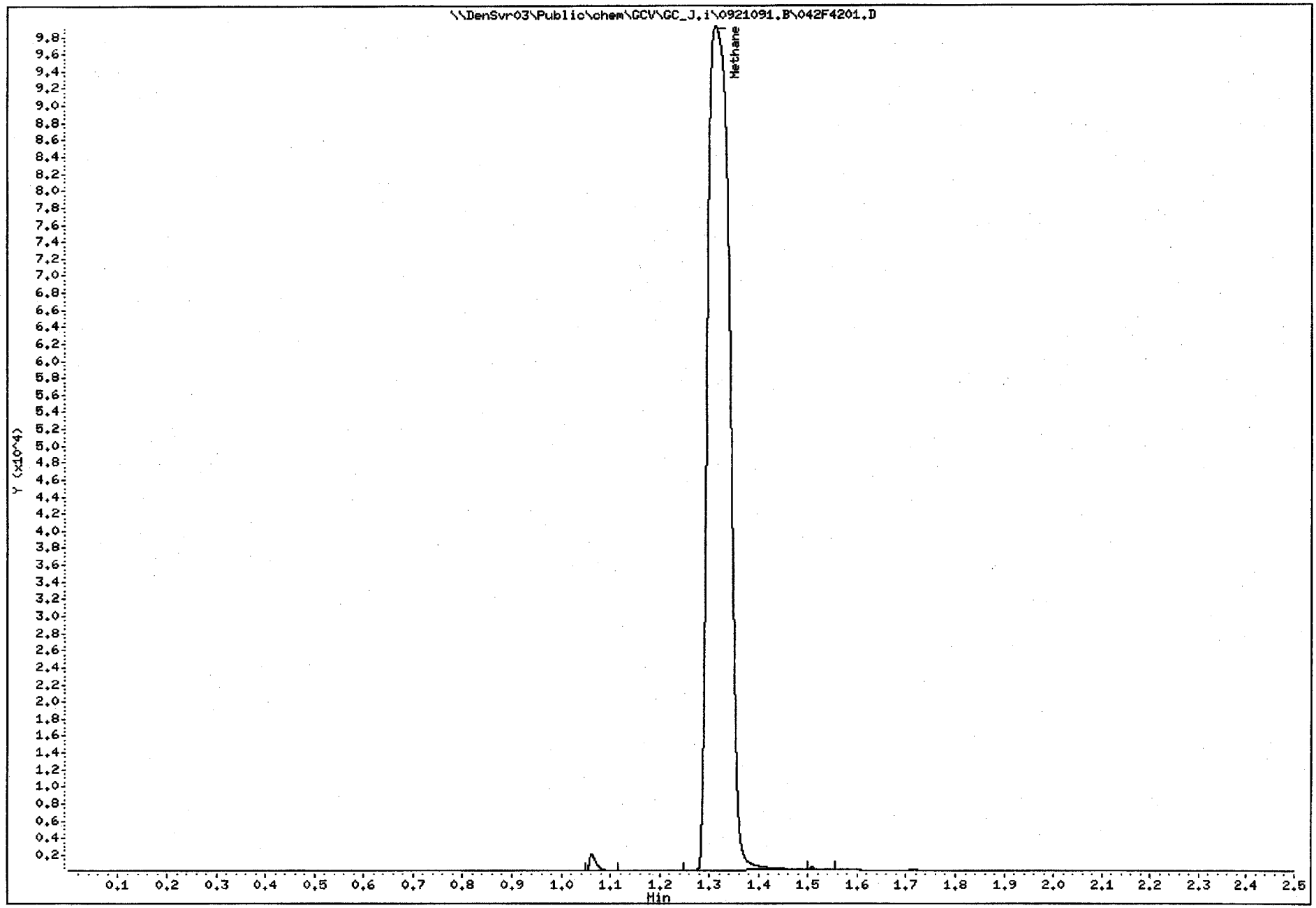
RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\042F4201.D
Lab Smp Id: LK2541AA Client Smp ID: 05-055-06166 (ROHR
Inj Date : 21-SEP-2009 13:04
Operator : TM Inst ID: GC_J.i
Smp Info : LK2541AA,162-1
Misc Info : ICAL 11-MAY-2007
Comment : SOP: DV-GC-0025
Method : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\RSK-1_7PT.m
Meth Date : 22-Sep-2009 16:33 GC_J.i Quant Type: ESTD
Cal Date : 21-SEP-2009 10:31 Cal File: 009F0901.D
Als bottle: 42
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 4.14

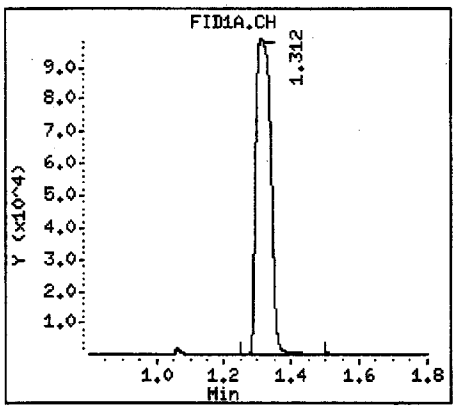
Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methane	1.311	1.301	0.010	303304	223.824	11190
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

TM 9/23/09


\\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\042F4201.D
Methane
Y (x10^4)
Min

1 Methane



Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

GC Volatiles

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H1AM **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:37 **Date Received..:** 09/18/09
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 13:08
Dilution Factor: 50
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	**17000**	**250**	**ug/L**
Ethane	ND	250	ug/L
Ethene	ND	250	ug/L

TestAmerica

RSK-175 Dissolved Gasses in Water

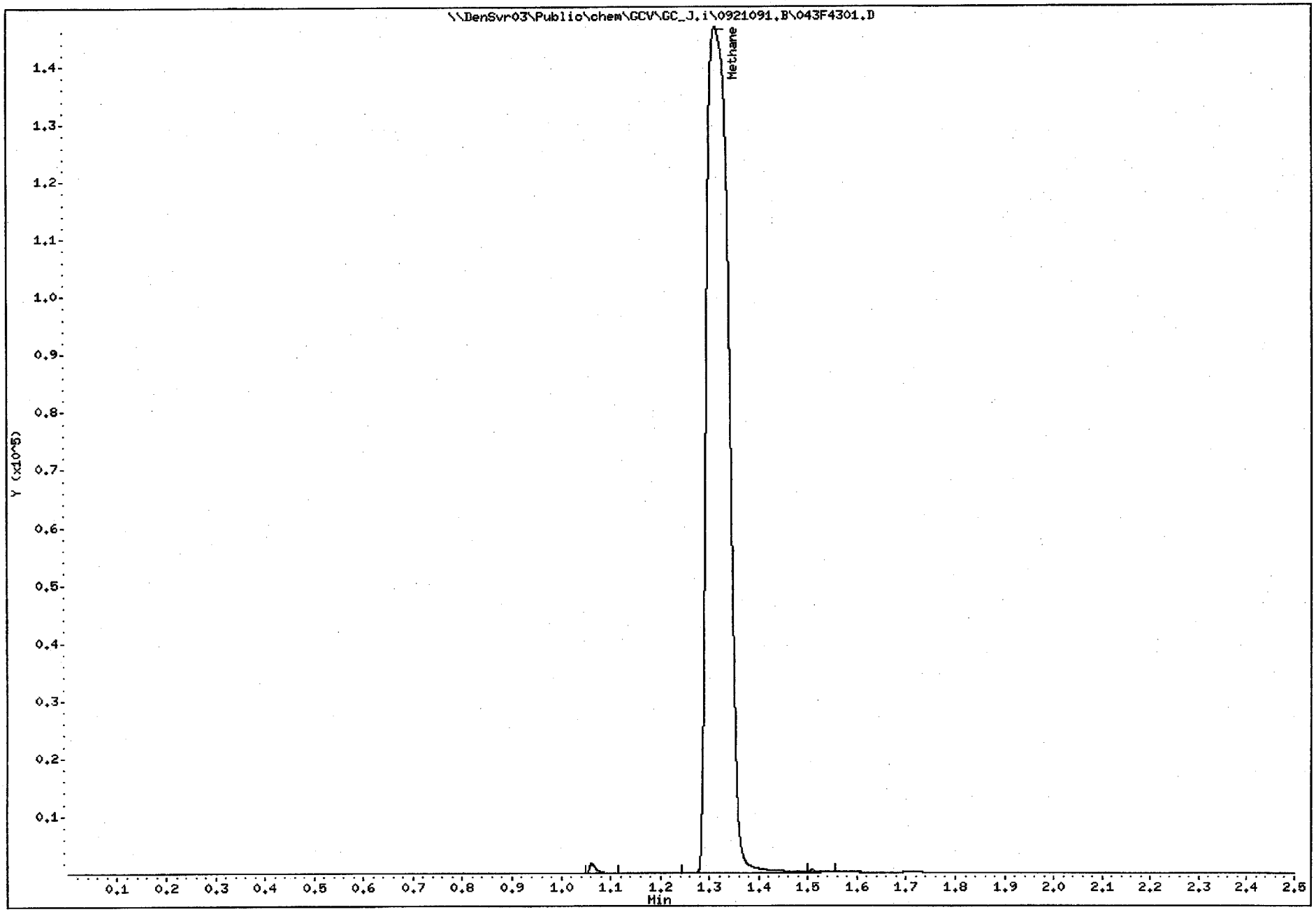
Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\043F4301.D
Lab Smp Id: LK27H1AM Client Smp ID: 05-055-06290 (ROHR
Inj Date : 21-SEP-2009 13:08
Operator : TM Inst ID: GC_J.i
Smp Info : LK27H1AM,162-2
Misc Info : ICAL 11-MAY-2007
Comment : SOP: DV-GC-0025
Method : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\RSK-1_7PT.m
Meth Date : 22-Sep-2009 16:33 GC_J.i Quant Type: ESTD
Cal Date : 21-SEP-2009 10:31 Cal File: 009F0901.D
Als bottle: 43
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

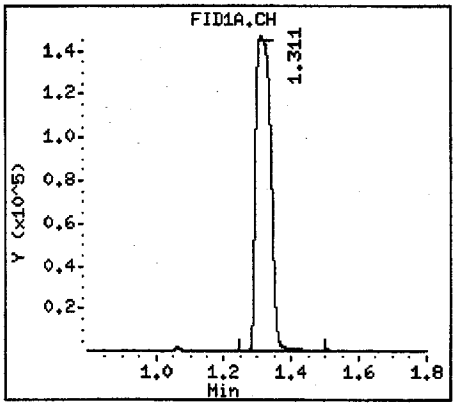
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.310	1.301	0.009	449425	331.836	16590
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

TM
9/23/09

Data File: \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\043F4301.D



1 Methane



Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

GC Volatiles

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L1AM **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 13:12
Dilution Factor: 20
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	**10000**	**100**	**ug/L**
Ethane	ND	100	ug/L
Ethene	ND	100	ug/L

TestAmerica

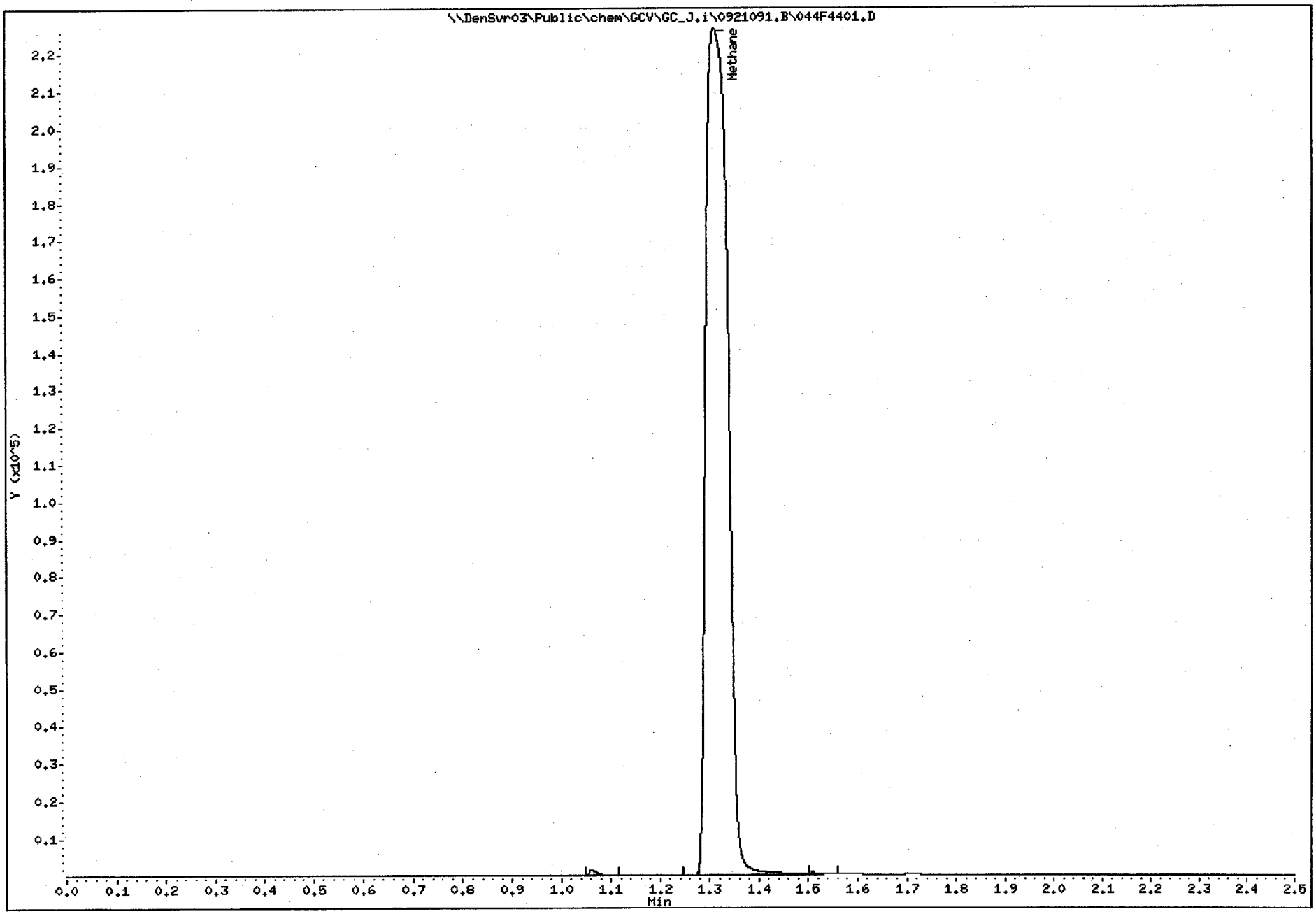
RSK-175 Dissolved Gasses in Water

Data file : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\044F4401.D
Lab Smp Id: LK27L1AM Client Smp ID: 05-055-06165 (ROHR
Inj Date : 21-SEP-2009 13:12
Operator : TM Inst ID: GC_J.i
Smp Info : LK27L1AM,162-3
Misc Info : ICAL 11-MAY-2007
Comment : SOP: DV-GC-0025
Method : \\DenSvr03\Public\chem\GCV\GC_J.i\0921091.B\RSK-1_7PT.m
Meth Date : 22-Sep-2009 16:33 GC_J.i Quant Type: ESTD
Cal Date : 21-SEP-2009 10:31 Cal File: 009F0901.D
Als bottle: 44
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 1 * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.308	1.301	0.007	692113	511.229	10220
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

TM
9/23/09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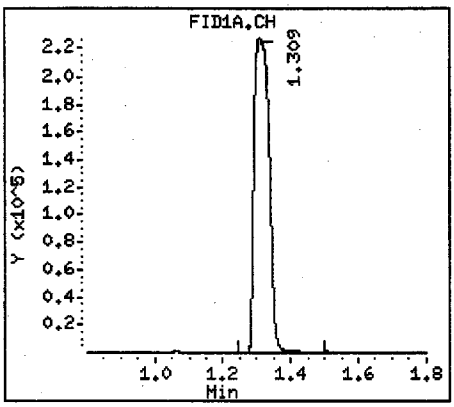
Methane
Y (x10^5)
2.2
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5
Min

1 Methane


FID1A.CH
1.309
Y (x10^5)
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
1.0
1.2
1.4
1.6
1.8
Min

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

TOTAL Metals

Lot-Sample #...: D9I180162-001 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9266273						
Na Abs. Ratio	**68 J**	--	**No Units**	**S&PG SAR**	**09/22/09**	**LK2541AJ**
		Dilution Factor: 1		Analysis Time..: 16:43		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-001 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9264364						
Barium	110	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541AG
		Dilution Factor: 1		Analysis Time..: 10:38		
Beryllium	ND	1.0	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541AH
		Dilution Factor: 1		Analysis Time..: 10:38		
Boron	150 L	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541A9
		Dilution Factor: 1		Analysis Time..: 10:38		
Chromium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CH
		Dilution Factor: 1		Analysis Time..: 10:38		
Copper	ND	15	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CA
		Dilution Factor: 1		Analysis Time..: 10:38		
Iron	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CF
		Dilution Factor: 1		Analysis Time..: 10:38		
Potassium	ND	3000	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CE
		Dilution Factor: 1		Analysis Time..: 10:38		
Lithium	23	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CJ
		Dilution Factor: 1		Analysis Time..: 10:38		
Magnesium	ND	200	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CD
		Dilution Factor: 1		Analysis Time..: 10:38		
Manganese	11	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CG
		Dilution Factor: 1		Analysis Time..: 10:38		
Sodium	270000	5000	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CC
		Dilution Factor: 1		Analysis Time..: 10:38		
Nickel	ND	40	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CK
		Dilution Factor: 1		Analysis Time..: 10:38		
Strontium	140	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CL
		Dilution Factor: 1		Analysis Time..: 10:38		

(Continued on next page)

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CQ
		Dilution Factor: 1		Analysis Time..: 10:38		
Aluminum	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CP
		Dilution Factor: 1		Analysis Time..: 10:38		
Calcium	**1900**	**200**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK2541A8**
		Dilution Factor: 1		Analysis Time..: 10:38		
Cobalt	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CN
		Dilution Factor: 1		Analysis Time..: 10:38		
Zinc	ND	20	ug/L	MCAWW 200.7	09/23-09/24/09	LK2541CM
		Dilution Factor: 1		Analysis Time..: 10:38		
Prep Batch #...: 9264368						
Silver	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A5
		Dilution Factor: 1		Analysis Time..: 21:58		
Arsenic	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A3
		Dilution Factor: 1		Analysis Time..: 21:58		
Cadmium	ND G	0.0012	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A2
		Dilution Factor: 1		Analysis Time..: 21:58		
Molybdenum	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541AX
		Dilution Factor: 1		Analysis Time..: 21:58		
Lead	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A1
		Dilution Factor: 1		Analysis Time..: 20:28		
Antimony	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A0
		Dilution Factor: 1		Analysis Time..: 21:58		
Selenium	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A4
		Dilution Factor: 1		Analysis Time..: 21:58		
Thallium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A6
		Dilution Factor: 1		Analysis Time..: 20:28		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Uranium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK2541A7
		Dilution Factor: 1		Analysis Time..: 21:58		

NOTE(S):

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

TOTAL Metals

Lot-Sample #...: D9I180162-002 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:37 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9266273						
Na Abs. Ratio	**67 J**	--	**No Units**	**S&PG SAR**	**09/22/09**	**LK27H1AU**
		Dilution Factor: 1		Analysis Time..: 16:46		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

DISSOLVED Metals

Lot-Sample #...: D9I180162-002 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:37 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9264364						
Barium	**140**	**10**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1AR**
		Dilution Factor: 1		Analysis Time..: 10:48		
Beryllium	ND	1.0	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1AT
		Dilution Factor: 1		Analysis Time..: 10:48		
Boron	**210 L**	**100**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1AL**
		Dilution Factor: 1		Analysis Time..: 10:48		
Chromium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CG
		Dilution Factor: 1		Analysis Time..: 10:48		
Copper	ND	15	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1A9
		Dilution Factor: 1		Analysis Time..: 10:48		
Iron	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CE
		Dilution Factor: 1		Analysis Time..: 10:48		
Potassium	ND	3000	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CD
		Dilution Factor: 1		Analysis Time..: 10:48		
Lithium	**50**	**10**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1CH**
		Dilution Factor: 1		Analysis Time..: 10:48		
Magnesium	ND	200	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CC
		Dilution Factor: 1		Analysis Time..: 10:48		
Manganese	**11**	**10**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1CF**
		Dilution Factor: 1		Analysis Time..: 10:48		
Sodium	**280000**	**5000**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1CA**
		Dilution Factor: 1		Analysis Time..: 10:48		
Nickel	ND	40	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CJ
		Dilution Factor: 1		Analysis Time..: 10:48		
Strontium	**160**	**10**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1CK**
		Dilution Factor: 1		Analysis Time..: 10:48		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

DISSOLVED Metals

Lot-Sample #...: D9I180162-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CP
		Dilution Factor: 1		Analysis Time..: 10:48		
Aluminum	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CN
		Dilution Factor: 1		Analysis Time..: 10:48		
Calcium	**2100**	**200**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27H1AK**
		Dilution Factor: 1		Analysis Time..: 10:48		
Cobalt	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CM
		Dilution Factor: 1		Analysis Time..: 10:48		
Zinc	ND	20	ug/L	MCAWW 200.7	09/23-09/24/09	LK27H1CL
		Dilution Factor: 1		Analysis Time..: 10:48		
Prep Batch #...: 9264368						
Silver	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AG
		Dilution Factor: 1		Analysis Time..: 22:02		
Arsenic	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AE
		Dilution Factor: 1		Analysis Time..: 22:02		
Cadmium	ND G	0.0012	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AD
		Dilution Factor: 1		Analysis Time..: 22:02		
Molybdenum	**0.0029**	**0.0020**	**mg/L**	**MCAWW 200.8**	**09/23-09/24/09**	**LK27H1A8**
		Dilution Factor: 1		Analysis Time..: 22:02		
Lead	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AC
		Dilution Factor: 1		Analysis Time..: 20:31		
Antimony	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AA
		Dilution Factor: 1		Analysis Time..: 22:02		
Selenium	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AF
		Dilution Factor: 1		Analysis Time..: 22:02		
Thallium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AH
		Dilution Factor: 1		Analysis Time..: 20:31		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

DISSOLVED Metals

Lot-Sample #...: D9I180162-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Uranium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27H1AJ
		Dilution Factor: 1		Analysis Time..: 22:02		

NOTE(S):

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

TOTAL Metals

Lot-Sample #...: D9I180162-003 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9266273						
Na Abs. Ratio	**94 J**	--	**No Units**	**S&PG SAR**	**09/22/09**	**LK27L1AU**
		Dilution Factor: 1		Analysis Time..: 16:48		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-003 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9264364						
Barium	**54**	10	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27L1AR**
		Dilution Factor: 1		Analysis Time..: 10:50		
Beryllium	ND	1.0	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1AT
		Dilution Factor: 1		Analysis Time..: 10:50		
Boron	**160 L**	100	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27L1AL**
		Dilution Factor: 1		Analysis Time..: 10:50		
Chromium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CG
		Dilution Factor: 1		Analysis Time..: 10:50		
Copper	ND	15	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1A9
		Dilution Factor: 1		Analysis Time..: 10:50		
Iron	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CE
		Dilution Factor: 1		Analysis Time..: 10:50		
Potassium	ND	3000	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CD
		Dilution Factor: 1		Analysis Time..: 10:50		
Lithium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CH
		Dilution Factor: 1		Analysis Time..: 10:50		
Magnesium	ND	200	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CC
		Dilution Factor: 1		Analysis Time..: 10:50		
Manganese	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CF
		Dilution Factor: 1		Analysis Time..: 10:50		
Sodium	**260000**	5000	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27L1CA**
		Dilution Factor: 1		Analysis Time..: 10:50		
Nickel	ND	40	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CJ
		Dilution Factor: 1		Analysis Time..: 10:50		
Strontium	**98**	10	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27L1CK**
		Dilution Factor: 1		Analysis Time..: 10:50		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CP
		Dilution Factor: 1		Analysis Time..: 10:50		
Aluminum	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CN
		Dilution Factor: 1		Analysis Time..: 10:50		
Calcium	**1300**	**200**	**ug/L**	**MCAWW 200.7**	**09/23-09/24/09**	**LK27L1AK**
		Dilution Factor: 1		Analysis Time..: 10:50		
Cobalt	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CM
		Dilution Factor: 1		Analysis Time..: 10:50		
Zinc	ND	20	ug/L	MCAWW 200.7	09/23-09/24/09	LK27L1CL
		Dilution Factor: 1		Analysis Time..: 10:50		
Prep Batch #...: 9264368						
Silver	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AG
		Dilution Factor: 1		Analysis Time..: 22:06		
Arsenic	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AE
		Dilution Factor: 1		Analysis Time..: 22:06		
Cadmium	ND G	0.0012	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AD
		Dilution Factor: 1		Analysis Time..: 22:06		
Molybdenum	**0.0036**	**0.0020**	**mg/L**	**MCAWW 200.8**	**09/23-09/24/09**	**LK27L1A8**
		Dilution Factor: 1		Analysis Time..: 22:06		
Lead	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AC
		Dilution Factor: 1		Analysis Time..: 20:35		
Antimony	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AA
		Dilution Factor: 1		Analysis Time..: 22:06		
Selenium	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AF
		Dilution Factor: 1		Analysis Time..: 22:06		
Thallium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AH
		Dilution Factor: 1		Analysis Time..: 20:35		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

DISSOLVED Metals

Lot-Sample #...: D9I180162-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Uranium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK27L1AJ

Dilution Factor: 1 Analysis Time..: 22:06

NOTE(S):

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

General Chemistry

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK254 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.8	0.10	No Units	SM18 4500-H B	09/18/09	9261504
		Dilution Factor: 1		Analysis Time..: 12:10		
Bicarbonate Alkalinity	420	5.0	mg/L	SM18 2320 B	09/24/09	9268230
		Dilution Factor: 1		Analysis Time..: 14:00		
Bromide	0.44	0.20	mg/L	MCAWW 300.0A	09/25/09	9269108
		Dilution Factor: 1		Analysis Time..: 20:37		
Carbonate Alkalinity	76	5.0	mg/L	SM18 2320 B	09/24/09	9268235
		Dilution Factor: 1		Analysis Time..: 14:00		
Chloride	51 Q	15	mg/L	MCAWW 300.0A	09/25-09/26/09	9269107
		Dilution Factor: 5		Analysis Time..: 02:57		
Fluoride	8.4	0.50	mg/L	MCAWW 300.0A	09/25/09	9269109
		Dilution Factor: 1		Analysis Time..: 20:37		
Ion Balance % Difference	0.76	--	%	SM18 1030F & API	09/29/09	9272147
		Dilution Factor: 1		Analysis Time..: 09:00		
Specific Conductance	1100	2.0	umhos/cm	SM18 2510 B	09/23/09	9266099
		Dilution Factor: 1		Analysis Time..: 13:00		
Sulfate	ND	5.0	mg/L	MCAWW 300.0A	09/25/09	9269106
		Dilution Factor: 1		Analysis Time..: 20:37		
Total Alkalinity	490	5.0	mg/L	SM18 2320 B	09/24/09	9268223
		Dilution Factor: 1		Analysis Time..: 14:00		
Total Anions	12	0.30	meq/L	SM17 1030F & API	09/29/09	9272148
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Cations	12	0.10	meq/L	SM17 1030F & API	09/29/09	9272149
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	670	10	mg/L	SM18 2540 C	09/21/09	9264175
		Dilution Factor: 1		Analysis Time..: 16:40		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06166 (ROHR 04-10)

General Chemistry

Lot-Sample #...: D9I180162-001 **Work Order #...:** LK254 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	1.6	1.0	mg/L	SM18 5310B	09/22/09	9266269

Dilution Factor: 1 Analysis Time..: 15:53

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

General Chemistry

Lot-Sample #...: D9I180162-002 Work Order #...: LK27H Matrix.....: WATER
Date Sampled...: 09/17/09 09:37 Date Received..: 09/18/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.6	0.10	No Units	SM18 4500-H B	09/18/09	9261504
		Dilution Factor: 1		Analysis Time..: 12:11		
Bicarbonate Alkalinity	460	5.0	mg/L	SM18 2320 B	09/24/09	9268230
		Dilution Factor: 1		Analysis Time..: 14:00		
Bromide	0.67	0.20	mg/L	MCAWW 300.0A	09/25/09	9269108
		Dilution Factor: 1		Analysis Time..: 20:54		
Carbonate Alkalinity	56	5.0	mg/L	SM18 2320 B	09/24/09	9268235
		Dilution Factor: 1		Analysis Time..: 14:00		
Chloride	71 Q	15	mg/L	MCAWW 300.0A	09/25-09/26/09	9269107
		Dilution Factor: 5		Analysis Time..: 03:15		
Fluoride	11 Q	2.5	mg/L	MCAWW 300.0A	09/25-09/26/09	9269109
		Dilution Factor: 5		Analysis Time..: 03:15		
Ion Balance % Difference	1.8	--	%	SM18 1030F & API	09/29/09	9272147
		Dilution Factor: 1		Analysis Time..: 09:00		
Specific Conductance	1200	2.0	umhos/cm	SM18 2510 B	09/23/09	9266099
		Dilution Factor: 1		Analysis Time..: 13:00		
Sulfate	ND	5.0	mg/L	MCAWW 300.0A	09/25/09	9269106
		Dilution Factor: 1		Analysis Time..: 20:54		
Total Alkalinity	520	5.0	mg/L	SM18 2320 B	09/24/09	9268223
		Dilution Factor: 1		Analysis Time..: 14:00		
Total Anions	13	0.30	meq/L	SM17 1030F & API	09/29/09	9272148
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Cations	12	0.10	meq/L	SM17 1030F & API	09/29/09	9272149
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	710	10	mg/L	SM18 2540 C	09/21/09	9264175
		Dilution Factor: 1		Analysis Time..: 16:40		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06290 (ROHR 09-04)

General Chemistry

Lot-Sample #...: D9I180162-002 **Work Order #...:** LK27H **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SM18 5310B	09/22/09	9266269

Dilution Factor: 1 Analysis Time..: 15:53

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

General Chemistry

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	9.0	0.10	No Units	SM18 4500-H B	09/18/09	9261504
		Dilution Factor: 1		Analysis Time..: 12:12		
Bicarbonate Alkalinity	380	5.0	mg/L	SM18 2320 B	09/24/09	9268230
		Dilution Factor: 1		Analysis Time..: 14:00		
Bromide	0.38	0.20	mg/L	MCAWW 300.0A	09/25/09	9269108
		Dilution Factor: 1		Analysis Time..: 21:11		
Carbonate Alkalinity	79	5.0	mg/L	SM18 2320 B	09/24/09	9268235
		Dilution Factor: 1		Analysis Time..: 14:00		
Chloride	48	3.0	mg/L	MCAWW 300.0A	09/25/09	9269107
		Dilution Factor: 1		Analysis Time..: 21:11		
Fluoride	11 Q	1.0	mg/L	MCAWW 300.0A	09/25-09/26/09	9269109
		Dilution Factor: 2		Analysis Time..: 10:09		
Ion Balance % Difference	1.7	--	%	SM18 1030F & API	09/29/09	9272147
		Dilution Factor: 1		Analysis Time..: 09:00		
Specific Conductance	1000	2.0	umhos/cm	SM18 2510 B	09/23/09	9266099
		Dilution Factor: 1		Analysis Time..: 13:00		
Sulfate	ND	5.0	mg/L	MCAWW 300.0A	09/25/09	9269106
		Dilution Factor: 1		Analysis Time..: 21:11		
Total Alkalinity	460	5.0	mg/L	SM18 2320 B	09/24/09	9268223
		Dilution Factor: 1		Analysis Time..: 14:00		
Total Anions	11	0.30	meq/L	SM17 1030F & API	09/29/09	9272148
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Cations	11	0.10	meq/L	SM17 1030F & API	09/29/09	9272149
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	610	10	mg/L	SM18 2540 C	09/21/09	9264175
		Dilution Factor: 1		Analysis Time..: 16:40		

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Colorado Oil&Gas Conservation Commision

Client Sample ID: 05-055-06165 (ROHR 09-10)

General Chemistry

Lot-Sample #...: D9I180162-003 **Work Order #...:** LK27L **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SM18 5310B	09/22/09	9266269

Dilution Factor: 1 Analysis Time..: 15:53

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D9I180162

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 200.7		9264364	9264223
	WATER	SM18 2320 B		9268230	
	WATER	MCAWW 300.0A		9269107	9271064
	WATER	MCAWW 300.0A		9269106	9271066
	WATER	MCAWW 300.0A		9269109	9271067
	WATER	MCAWW 300.0A		9269108	9271056
	WATER	SM18 2320 B		9268235	
	WATER	SM18 5310B		9266269	9266144
	WATER	SM18 2510 B		9266099	9267049
	WATER	SM18 2540 C		9264175	9264101
	WATER	SM18 2320 B		9268223	9268216
	WATER	RSK SOP-175		9264433	9266087
	WATER	S&PG SAR		9266273	
	WATER	SM18 4500-H B		9261504	9262022
	WATER	SW846 8260B		9270016	9270011
	WATER	SW846 8270C		9265154	
	WATER	MCAWW 200.8		9264368	9264224
	WATER	SM18 1030F & API		9272147	
	WATER	SM17 1030F & API		9272148	
	WATER	SM17 1030F & API		9272149	
002	WATER	MCAWW 200.7		9264364	9264223
	WATER	SM18 2320 B		9268230	
	WATER	MCAWW 300.0A		9269107	9271064
	WATER	MCAWW 300.0A		9269106	9271066
	WATER	MCAWW 300.0A		9269109	9271067
	WATER	MCAWW 300.0A		9269108	9271056
	WATER	SM18 2320 B		9268235	
	WATER	SM18 5310B		9266269	9266144
	WATER	SM18 2510 B		9266099	9267049
	WATER	SM18 2540 C		9264175	9264101
	WATER	SM18 2320 B		9268223	9268216
	WATER	RSK SOP-175		9264433	9266087
	WATER	S&PG SAR		9266273	
	WATER	SM18 4500-H B		9261504	9262022
	WATER	SW846 8260B		9270016	9270011
	WATER	SW846 8270C		9265154	
	WATER	MCAWW 200.8		9264368	9264224
	WATER	SM18 1030F & API		9272147	
	WATER	SM17 1030F & API		9272148	
	WATER	SM17 1030F & API		9272149	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D9I180162

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	MCAWW 200.7		9264364	9264223
	WATER	SM18 2320 B		9268230	
	WATER	MCAWW 300.0A		9269107	9271064
	WATER	MCAWW 300.0A		9269106	9271066
	WATER	MCAWW 300.0A		9269109	9271067
	WATER	MCAWW 300.0A		9269108	9271056
	WATER	SM18 2320 B		9268235	
	WATER	SM18 5310B		9266269	9266144
	WATER	SM18 2510 B		9266099	9267049
	WATER	SM18 2540 C		9264175	9264101
	WATER	SM18 2320 B		9268223	9268216
	WATER	RSK SOP-175		9264433	9266087
	WATER	S&PG SAR		9266273	
	WATER	SM18 4500-H B		9261504	9262022
	WATER	SW846 8260B		9270016	9270011
	WATER	SW846 8270C		9265154	
	WATER	MCAWW 200.8		9264368	9264224
	WATER	SM18 1030F & API		9272147	
	WATER	SM17 1030F & API		9272148	
	WATER	SM17 1030F & API		9272149	
004	WATER	SW846 8260B		9270016	9270011

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LLK271AA **Matrix.....:** WATER
MB Lot-Sample #: D9I270000-016

Prep Date.....: 09/25/09 **Analysis Time..:** 11:16
Analysis Date..: 09/25/09 **Prep Batch #...:** 9270016
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	6.0	ug/L	SW846 8260B
Carbon disulfide	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	3.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	3.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	3.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LLK271AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	2.5	ug/L	SW846 8260B
Vinyl acetate	ND	3.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
Acetonitrile	ND	30	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	20	ug/L	SW846 8260B
Methacrylonitrile	ND	10	ug/L	SW846 8260B
Isobutyl alcohol	ND	110	ug/L	SW846 8260B
Methyl methacrylate	ND	4.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
4-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 120)
1,2-Dichloroethane-d4	106	(65 - 126)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LLK271AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Bromofluorobenzene	103	(75 - 120)		
Toluene-d8	90	(78 - 120)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LLK271AC **Matrix.....:** WATER
LCS Lot-Sample#: D9I270000-016
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 09:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
trans-1,2-Dichloroethene	97	(80 - 120)	**SW846 8260B**
Benzene	102	(77 - 118)	**SW846 8260B**
Bromodichloromethane	101	(78 - 118)	**SW846 8260B**
Carbon tetrachloride	103	(80 - 120)	**SW846 8260B**
Chlorobenzene	96	(78 - 118)	**SW846 8260B**
Chloroform	104	(78 - 118)	**SW846 8260B**
1,1-Dichloroethane	99	(77 - 117)	**SW846 8260B**
1,1-Dichloroethene	103	(68 - 133)	**SW846 8260B**
1,2-Dichloropropane	106	(76 - 116)	**SW846 8260B**
Ethylbenzene	95	(78 - 118)	**SW846 8260B**
Methylene chloride	109	(71 - 119)	**SW846 8260B**
Tetrachloroethene	96	(77 - 117)	**SW846 8260B**
Toluene	93	(73 - 120)	**SW846 8260B**
1,1,1-Trichloroethane	103	(78 - 118)	**SW846 8260B**
Trichloroethene	104	(78 - 122)	**SW846 8260B**
1,3-Dichlorobenzene	85	(75 - 115)	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(79 - 120)
1,2-Dichloroethane-d4	104	(65 - 126)
4-Bromofluorobenzene	107	(75 - 120)
Toluene-d8	99	(78 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LLK271AC **Matrix.....:** WATER
LCS Lot-Sample#: D9I270000-016
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 09:13
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
trans-1,2-Dichloroethene	5.00	**4.84**	**ug/L**	**97**	**SW846 8260B**
Benzene	5.00	5.08	**ug/L**	**102**	**SW846 8260B**
Bromodichloromethane	5.00	5.05	**ug/L**	**101**	**SW846 8260B**
Carbon tetrachloride	5.00	5.14	**ug/L**	**103**	**SW846 8260B**
Chlorobenzene	5.00	**4.78**	**ug/L**	**96**	**SW846 8260B**
Chloroform	5.00	5.18	**ug/L**	**104**	**SW846 8260B**
1,1-Dichloroethane	5.00	**4.95**	**ug/L**	**99**	**SW846 8260B**
1,1-Dichloroethene	5.00	5.15	**ug/L**	**103**	**SW846 8260B**
1,2-Dichloropropane	5.00	5.32	**ug/L**	**106**	**SW846 8260B**
Ethylbenzene	5.00	**4.77**	**ug/L**	**95**	**SW846 8260B**
Methylene chloride	5.00	5.45	**ug/L**	**109**	**SW846 8260B**
Tetrachloroethene	5.00	**4.81**	**ug/L**	**96**	**SW846 8260B**
Toluene	5.00	**4.67**	**ug/L**	**93**	**SW846 8260B**
1,1,1-Trichloroethane	5.00	5.16	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	5.00	5.21	**ug/L**	**104**	**SW846 8260B**
1,3-Dichlorobenzene	5.00	**4.24**	**ug/L**	**85**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(79 - 120)
1,2-Dichloroethane-d4	104	(65 - 126)
4-Bromofluorobenzene	107	(75 - 120)
Toluene-d8	99	(78 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LKXK71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D9I160324-001 LKXK71AD-MSD
Date Sampled...: 09/16/09 07:45 **Date Received..:** 09/16/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 09:38
Dilution Factor: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
trans-1,2-Dichloroethene	98	(80 - 120)			SW846 8260B
	106	(80 - 120)	7.3	(0-24)	SW846 8260B
Benzene	103	(77 - 118)			SW846 8260B
	113	(77 - 118)	9.6	(0-20)	SW846 8260B
Bromodichloromethane	104	(78 - 118)			SW846 8260B
	114	(78 - 118)	9.5	(0-20)	SW846 8260B
Carbon tetrachloride	104	(80 - 120)			SW846 8260B
	116	(80 - 120)	11	(0-21)	SW846 8260B
Chlorobenzene	98	(78 - 118)			SW846 8260B
	107	(78 - 118)	8.8	(0-20)	SW846 8260B
Chloroform	104	(78 - 118)			SW846 8260B
	116	(78 - 118)	11	(0-20)	SW846 8260B
1,1-Dichloroethane	103	(77 - 117)			SW846 8260B
	113	(77 - 117)	9.6	(0-21)	SW846 8260B
1,1-Dichloroethene	107	(68 - 133)			SW846 8260B
	116	(68 - 133)	8.0	(0-20)	SW846 8260B
1,2-Dichloropropane	109	(76 - 116)			SW846 8260B
	121 a	(76 - 116)	10	(0-20)	SW846 8260B
Ethylbenzene	99	(78 - 118)			SW846 8260B
	105	(78 - 118)	6.4	(0-26)	SW846 8260B
Methylene chloride	100	(71 - 119)			SW846 8260B
	121 a	(71 - 119)	18	(0-20)	SW846 8260B
Tetrachloroethene	100	(77 - 117)			SW846 8260B
	104	(77 - 117)	4.5	(0-20)	SW846 8260B
Toluene	98	(73 - 120)			SW846 8260B
	103	(73 - 120)	5.6	(0-20)	SW846 8260B
1,1,1-Trichloroethane	106	(78 - 118)			SW846 8260B
	114	(78 - 118)	8.1	(0-20)	SW846 8260B
Trichloroethene	103	(78 - 122)			SW846 8260B
	115	(78 - 122)	11	(0-20)	SW846 8260B
1,3-Dichlorobenzene	89	(75 - 115)			SW846 8260B
	90	(75 - 115)	0.34	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 120)
	95	(79 - 120)
1,2-Dichloroethane-d4	99	(65 - 126)
	107	(65 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LKXK71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D9I160324-001 LKXK71AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(75 - 120)
	109	(75 - 120)
Toluene-d8	100	(78 - 120)
	96	(78 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LKXK71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D9I160324-001 LKXK71AD-MSD
Date Sampled...: 09/16/09 07:45 **Date Received..:** 09/16/09
Prep Date.....: 09/25/09 **Analysis Date..:** 09/25/09
Prep Batch #...: 9270016 **Analysis Time..:** 09:38
Dilution Factor: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
trans-1,2-Dichloroethene	ND	100	98.3	ug/L	98		SW846 8260B
	ND	100	106	ug/L	106	7.3	SW846 8260B
Benzene	ND	100	103	ug/L	103		SW846 8260B
	ND	100	113	ug/L	113	9.6	SW846 8260B
Bromodichloromethane	ND	100	104	ug/L	104		SW846 8260B
	ND	100	114	ug/L	114	9.5	SW846 8260B
Carbon tetrachloride	ND	100	104	ug/L	104		SW846 8260B
	ND	100	116	ug/L	116	11	SW846 8260B
Chlorobenzene	ND	100	97.9	ug/L	98		SW846 8260B
	ND	100	107	ug/L	107	8.8	SW846 8260B
Chloroform	ND	100	104	ug/L	104		SW846 8260B
	ND	100	116	ug/L	116	11	SW846 8260B
1,1-Dichloroethane	ND	100	103	ug/L	103		SW846 8260B
	ND	100	113	ug/L	113	9.6	SW846 8260B
1,1-Dichloroethene	ND	100	107	ug/L	107		SW846 8260B
	ND	100	116	ug/L	116	8.0	SW846 8260B
1,2-Dichloropropane	ND	100	109	ug/L	109		SW846 8260B
	ND	100	121	ug/L	121 a	10	SW846 8260B
Ethylbenzene	ND	100	98.9	ug/L	99		SW846 8260B
	ND	100	105	ug/L	105	6.4	SW846 8260B
Methylene chloride	ND	100	107	ug/L	100		SW846 8260B
	ND	100	128	ug/L	121 a	18	SW846 8260B
Tetrachloroethene	ND	100	99.8	ug/L	100		SW846 8260B
	ND	100	104	ug/L	104	4.5	SW846 8260B
Toluene	ND	100	97.6	ug/L	98		SW846 8260B
	ND	100	103	ug/L	103	5.6	SW846 8260B
1,1,1-Trichloroethane	ND	100	106	ug/L	106		SW846 8260B
	ND	100	114	ug/L	114	8.1	SW846 8260B
Trichloroethene	ND	100	103	ug/L	103		SW846 8260B
	ND	100	115	ug/L	115	11	SW846 8260B
1,3-Dichlorobenzene	ND	100	89.3	ug/L	89		SW846 8260B
	ND	100	89.6	ug/L	90	0.34	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 120)
	95	(79 - 120)
1,2-Dichloroethane-d4	99	(65 - 126)
	107	(65 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LKXK71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D9I160324-001 LKXK71AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(75 - 120)
	109	(75 - 120)
Toluene-d8	100	(78 - 120)
	96	(78 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AA **Matrix.....:** WATER
MB Lot-Sample #: D9I220000-154

Prep Date.....: 09/22/09 **Analysis Time..:** 13:25
Analysis Date..: 09/25/09 **Prep Batch #...:** 9265154
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
a,a-Dimethylphenethyl-amine	ND	50	ug/L	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Acenaphthene	ND	4.0	ug/L	SW846 8270C
Acenaphthylene	ND	4.0	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	4.0	ug/L	SW846 8270C
Aramite	ND	40	ug/L	SW846 8270C
Benzo(a)anthracene	ND	4.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	4.0	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	4.0	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	4.0	ug/L	SW846 8270C
Benzo(a)pyrene	ND	4.0	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	4.0	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	4.0	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	4.0	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	4.0	ug/L	SW846 8270C
Dibenzofuran	ND	4.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	4.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	4.0	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,3-Dichlorobenzene	ND	4.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	4.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	4.0	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	4.0	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	30	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	4.0	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	100	ug/L	SW846 8270C
Fluoranthene	ND	4.0	ug/L	SW846 8270C
Fluorene	ND	4.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	4.0	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	4.0	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	10	ug/L	SW846 8270C
4-Nitroaniline	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	4.0	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
Sulfotepp	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	4.0	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C
Atrazine	ND	10	ug/L	SW846 8270C
Benzidine	ND	100	ug/L	SW846 8270C
Carbazole	ND	4.0	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(40 - 120)
Phenol-d5	88	(51 - 120)
Nitrobenzene-d5	80	(47 - 120)
2-Fluorobiphenyl	56	(37 - 120)
2,4,6-Tribromophenol	84	(47 - 120)
Terphenyl-d14	95	(30 - 127)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 Work Order #...: LK76L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D9I220000-154 LK76L1AD-LCSD
Prep Date.....: 09/22/09 Analysis Date..: 09/25/09
Prep Batch #...: 9265154 Analysis Time..: 13:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	73	(52 - 120)			SW846 8270C
	78	(52 - 120)	7.2	(0-30)	SW846 8270C
Anthracene	86	(56 - 120)			SW846 8270C
	90	(56 - 120)	4.7	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	96	(57 - 120)			SW846 8270C
	97	(57 - 120)	1.9	(0-30)	SW846 8270C
2-Chlorophenol	76	(55 - 120)			SW846 8270C
	81	(55 - 120)	7.2	(0-30)	SW846 8270C
1,4-Dichlorobenzene	38	(30 - 120)			SW846 8270C
	57	(30 - 120)	40	(0-44)	SW846 8270C
2,4-Dinitrotoluene	99	(59 - 120)			SW846 8270C
	106	(59 - 120)	6.6	(0-44)	SW846 8270C
2-Methylnaphthalene	61	(48 - 120)			SW846 8270C
	72	(48 - 120)	16	(0-32)	SW846 8270C
2-Methylphenol	81	(50 - 120)			SW846 8270C
	86	(50 - 120)	6.0	(0-30)	SW846 8270C
4-Nitrophenol	104	(48 - 120)			SW846 8270C
	107	(48 - 120)	3.2	(0-37)	SW846 8270C
N-Nitrosodi-n-propyl-amine	81	(52 - 120)			SW846 8270C
	84	(52 - 120)	3.1	(0-30)	SW846 8270C
Pentachlorophenol	92	(50 - 120)			SW846 8270C
	97	(50 - 120)	5.8	(0-30)	SW846 8270C
Phenol	80	(54 - 120)			SW846 8270C
	85	(54 - 120)	5.9	(0-34)	SW846 8270C
Pyrene	85	(52 - 120)			SW846 8270C
	90	(52 - 120)	6.4	(0-30)	SW846 8270C
1,2,4-Trichloro-benzene	40	(35 - 120)			SW846 8270C
	60	(35 - 120)	40	(0-42)	SW846 8270C
2,4,6-Trichloro-phenol	95	(52 - 120)			SW846 8270C
	101	(52 - 120)	6.4	(0-30)	SW846 8270C
Carbazole	89	(56 - 120)			SW846 8270C
	93	(56 - 120)	5.2	(0-30)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D9I220000-154 LK76L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(47 - 120)
	81	(47 - 120)
Phenol-d5	78	(56 - 120)
	85	(56 - 120)
Nitrobenzene-d5	75	(55 - 120)
	84	(55 - 120)
2-Fluorobiphenyl	70	(39 - 120)
	74	(39 - 120)
2,4,6-Tribromophenol	97	(53 - 120)
	101	(53 - 120)
Terphenyl-d14	84	(54 - 122)
	86	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 Work Order #...: LK76L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D9I220000-154 LK76L1AD-LCSD
Prep Date.....: 09/22/09 Analysis Date..: 09/25/09
Prep Batch #...: 9265154 Analysis Time..: 13:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	73.0	ug/L	73		SW846 8270C
	100	78.5	ug/L	78	7.2	SW846 8270C
Anthracene	100	85.6	ug/L	86		SW846 8270C
	100	89.7	ug/L	90	4.7	SW846 8270C
4-Chloro-3-methylphenol	100	95.5	ug/L	96		SW846 8270C
	100	97.4	ug/L	97	1.9	SW846 8270C
2-Chlorophenol	100	75.6	ug/L	76		SW846 8270C
	100	81.2	ug/L	81	7.2	SW846 8270C
1,4-Dichlorobenzene	100	37.7	ug/L	38		SW846 8270C
	100	56.6	ug/L	57	40	SW846 8270C
2,4-Dinitrotoluene	100	99.4	ug/L	99		SW846 8270C
	100	106	ug/L	106	6.6	SW846 8270C
2-Methylnaphthalene	100	61.4	ug/L	61		SW846 8270C
	100	72.4	ug/L	72	16	SW846 8270C
2-Methylphenol	100	80.7	ug/L	81		SW846 8270C
	100	85.7	ug/L	86	6.0	SW846 8270C
4-Nitrophenol	100	104	ug/L	104		SW846 8270C
	100	107	ug/L	107	3.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	81.2	ug/L	81		SW846 8270C
	100	83.8	ug/L	84	3.1	SW846 8270C
Pentachlorophenol	100	91.9	ug/L	92		SW846 8270C
	100	97.5	ug/L	97	5.8	SW846 8270C
Phenol	100	80.2	ug/L	80		SW846 8270C
	100	85.1	ug/L	85	5.9	SW846 8270C
Pyrene	100	84.9	ug/L	85		SW846 8270C
	100	90.5	ug/L	90	6.4	SW846 8270C
1,2,4-Trichloro-benzene	100	39.7	ug/L	40		SW846 8270C
	100	59.6	ug/L	60	40	SW846 8270C
2,4,6-Trichloro-phenol	100	95.1	ug/L	95		SW846 8270C
	100	101	ug/L	101	6.4	SW846 8270C
Carbazole	100	88.5	ug/L	89		SW846 8270C
	100	93.3	ug/L	93	5.2	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D9I180162 **Work Order #...:** LK76L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D9I220000-154 LK76L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(47 - 120)
	81	(47 - 120)
Phenol-d5	78	(56 - 120)
	85	(56 - 120)
Nitrobenzene-d5	75	(55 - 120)
	84	(55 - 120)
2-Fluorobiphenyl	70	(39 - 120)
	74	(39 - 120)
2,4,6-Tribromophenol	97	(53 - 120)
	101	(53 - 120)
Terphenyl-d14	84	(54 - 122)
	86	(54 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LK94R1AA **Matrix.....:** WATER
MB Lot-Sample #: D9I210000-433

Prep Date.....: 09/21/09 **Analysis Time..:** 10:47
Analysis Date..: 09/21/09 **Prep Batch #...:** 9264433
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methane	ND	5.0	ug/L	RSK SOP-175
Ethane	ND	5.0	ug/L	RSK SOP-175
Ethene	ND	5.0	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LK94R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D9I210000-433 LK94R1AD-LCSD
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 10:39
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetylene	103	(75 - 125)			RSK SOP-175
	102	(75 - 125)	0.90	(0-20)	RSK SOP-175
Ethane	100	(75 - 125)			RSK SOP-175
	101	(75 - 125)	0.58	(0-20)	RSK SOP-175
Ethene	102	(75 - 125)			RSK SOP-175
	102	(75 - 125)	0.0	(0-20)	RSK SOP-175
Methane	100	(75 - 125)			RSK SOP-175
	101	(75 - 125)	0.90	(0-20)	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LK94R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D9I210000-433 LK94R1AD-LCSD
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 10:39
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetylene	118	122	ug/L	103		RSK SOP-175
	118	120	ug/L	102	0.90	RSK SOP-175
Ethane	137	138	ug/L	100		RSK SOP-175
	137	138	ug/L	101	0.58	RSK SOP-175
Ethene	127	129	ug/L	102		RSK SOP-175
	127	129	ug/L	102	0.0	RSK SOP-175
Methane	73.0	73.0	ug/L	100		RSK SOP-175
	73.0	73.7	ug/L	101	0.90	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LK0TE1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: F9I170193-003 LK0TE1AG-MSD
Date Sampled...: 09/15/09 11:49 **Date Received..:** 09/17/09
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 13:24
Dilution Factor: 50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetylene	**102**	**(52 - 142)**			**RSK SOP-175**
	100	**(52 - 142)**	**2.0**	**(0-20)**	**RSK SOP-175**
Ethane	**106**	**(75 - 125)**			**RSK SOP-175**
	108	**(75 - 125)**	**1.9**	**(0-20)**	**RSK SOP-175**
Ethene	**106**	**(75 - 131)**			**RSK SOP-175**
	107	**(75 - 131)**	**0.68**	**(0-20)**	**RSK SOP-175**
Methane	**130**	**(52 - 145)**			**RSK SOP-175**
	149 a	**(52 - 145)**	**3.7**	**(0-20)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D9I180162 **Work Order #...:** LK0TE1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: F9I170193-003 LK0TE1AG-MSD
Date Sampled...: 09/15/09 11:49 **Date Received..:** 09/17/09
Prep Date.....: 09/21/09 **Analysis Date..:** 09/21/09
Prep Batch #...: 9264433 **Analysis Time..:** 13:24
Dilution Factor: 50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetylene	**ND**	**5900**	6000	**ug/L**	102		**RSK SOP-175**
	ND	**5900**	5880	**ug/L**	100	2.0	**RSK SOP-175**
Ethane	**ND**	**6850**	7260	**ug/L**	106		**RSK SOP-175**
	ND	**6850**	7400	**ug/L**	108	1.9	**RSK SOP-175**
Ethene	**ND**	**6350**	6730	**ug/L**	106		**RSK SOP-175**
	ND	**6350**	6780	**ug/L**	107	0.68	**RSK SOP-175**
Methane	**13000**	**3650**	17900	**ug/L**	130		**RSK SOP-175**
	13000	**3650**	18600	**ug/L**	**149 a**	3.7	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D9I220000-287 **Prep Batch #...:** 9266273						
Na Abs. Ratio	**0.25**	--	**No Units**	**S&PG SAR**	**09/22/09**	**LK8J01AC**
		Dilution Factor: 1				
		Analysis Time..: 16:13				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D9I210000-364 **Prep Batch #...:** 9264364						
Barium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AA
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Beryllium	ND	1.0	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AC
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Boron	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AE
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Chromium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AM
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Copper	ND	15	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AF
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Iron	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AK
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Lithium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AN
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Magnesium	ND	200	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AH
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Manganese	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AL
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Nickel	ND	40	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AP
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Potassium	ND	3000	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AJ
		Dilution Factor: 1				
		Analysis Time..: 10:33				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AG
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Strontium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AQ
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Vanadium	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AV
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Aluminum	ND	100	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AU
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Calcium	ND	200	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AD
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Cobalt	ND	10	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AT
		Dilution Factor: 1				
		Analysis Time..: 10:33				
Zinc	ND	20	ug/L	MCAWW 200.7	09/23-09/24/09	LK6841AR
		Dilution Factor: 1				
		Analysis Time..: 10:33				

MB Lot-Sample #: D9I210000-368 **Prep Batch #...:** 9264368

Antimony	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AA
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Arsenic	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AE
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Cadmium	ND	0.0012	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AD
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Lead	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AC
		Dilution Factor: 1				
		Analysis Time..: 20:20				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	0.0020	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AK
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Selenium	ND	0.0050	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AF
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Silver	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AG
		Dilution Factor: 1				
		Analysis Time..: 21:50				
Thallium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AH
		Dilution Factor: 1				
		Analysis Time..: 20:20				
Uranium	ND	0.0010	mg/L	MCAWW 200.8	09/23-09/24/09	LK69E1AJ
		Dilution Factor: 1				
		Analysis Time..: 21:50				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D9I210000-364 **Prep Batch #...:** 9264364					
Barium	98	(90 - 112)	MCAWW 200.7	09/23-09/24/09	LK6841AW
		Dilution Factor: 1	Analysis Time..: 10:36		
Beryllium	99	(89 - 113)	MCAWW 200.7	09/23-09/24/09	LK6841AX
		Dilution Factor: 1	Analysis Time..: 10:36		
Boron	97	(86 - 110)	MCAWW 200.7	09/23-09/24/09	LK6841A1
		Dilution Factor: 1	Analysis Time..: 10:36		
Copper	97	(86 - 112)	MCAWW 200.7	09/23-09/24/09	LK6841A2
		Dilution Factor: 1	Analysis Time..: 10:36		
Sodium	98	(90 - 115)	MCAWW 200.7	09/23-09/24/09	LK6841A3
		Dilution Factor: 1	Analysis Time..: 10:36		
Magnesium	97	(90 - 113)	MCAWW 200.7	09/23-09/24/09	LK6841A4
		Dilution Factor: 1	Analysis Time..: 10:36		
Potassium	101	(89 - 114)	MCAWW 200.7	09/23-09/24/09	LK6841A5
		Dilution Factor: 1	Analysis Time..: 10:36		
Iron	97	(89 - 115)	MCAWW 200.7	09/23-09/24/09	LK6841A6
		Dilution Factor: 1	Analysis Time..: 10:36		
Manganese	96	(90 - 110)	MCAWW 200.7	09/23-09/24/09	LK6841A7
		Dilution Factor: 1	Analysis Time..: 10:36		
Chromium	98	(90 - 113)	MCAWW 200.7	09/23-09/24/09	LK6841A8
		Dilution Factor: 1	Analysis Time..: 10:36		
Lithium	99	(90 - 112)	MCAWW 200.7	09/23-09/24/09	LK6841A9
		Dilution Factor: 1	Analysis Time..: 10:36		
Nickel	96	(89 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CA
		Dilution Factor: 1	Analysis Time..: 10:36		
Strontium	99	(90 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CC
		Dilution Factor: 1	Analysis Time..: 10:36		
Vanadium	98	(90 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CG
		Dilution Factor: 1	Analysis Time..: 10:36		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	97	(90 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841A0
		Dilution Factor: 1	Analysis Time..: 10:36		
Zinc	98	(85 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CD
		Dilution Factor: 1	Analysis Time..: 10:36		
Cobalt	96	(89 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CE
		Dilution Factor: 1	Analysis Time..: 10:36		
Aluminum	95	(87 - 111)	MCAWW 200.7	09/23-09/24/09	LK6841CF
		Dilution Factor: 1	Analysis Time..: 10:36		
LCS Lot-Sample#: D9I210000-368 **Prep Batch #...:** 9264368					
Antimony	103	(85 - 115)	MCAWW 200.8	09/23-09/24/09	LK69E1AL
		Dilution Factor: 1	Analysis Time..: 21:54		
Lead	108	(88 - 115)	MCAWW 200.8	09/23-09/24/09	LK69E1AM
		Dilution Factor: 1	Analysis Time..: 20:24		
Cadmium	103	(89 - 111)	MCAWW 200.8	09/23-09/24/09	LK69E1AN
		Dilution Factor: 1	Analysis Time..: 21:54		
Arsenic	102	(89 - 111)	MCAWW 200.8	09/23-09/24/09	LK69E1AP
		Dilution Factor: 1	Analysis Time..: 21:54		
Selenium	109	(85 - 114)	MCAWW 200.8	09/23-09/24/09	LK69E1AQ
		Dilution Factor: 1	Analysis Time..: 21:54		
Silver	101	(90 - 114)	MCAWW 200.8	09/23-09/24/09	LK69E1AR
		Dilution Factor: 1	Analysis Time..: 21:54		
Thallium	106	(86 - 115)	MCAWW 200.8	09/23-09/24/09	LK69E1AT
		Dilution Factor: 1	Analysis Time..: 20:24		
Uranium	110	(85 - 115)	MCAWW 200.8	09/23-09/24/09	LK69E1AU
		Dilution Factor: 1	Analysis Time..: 21:54		
Molybdenum	98	(89 - 112)	MCAWW 200.8	09/23-09/24/09	LK69E1AV
		Dilution Factor: 1	Analysis Time..: 21:54		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D9I210000-364 **Prep Batch #...:** 9264364							
Barium	2000	1960	ug/L	98	MCAWW 200.7	09/23-09/24/09	LK6841AW
			Dilution Factor: 1		Analysis Time..: 10:36		
Beryllium	50.0	49.5	ug/L	99	MCAWW 200.7	09/23-09/24/09	LK6841AX
			Dilution Factor: 1		Analysis Time..: 10:36		
Boron	1000	974	ug/L	97	MCAWW 200.7	09/23-09/24/09	LK6841A1
			Dilution Factor: 1		Analysis Time..: 10:36		
Copper	250	243	ug/L	97	MCAWW 200.7	09/23-09/24/09	LK6841A2
			Dilution Factor: 1		Analysis Time..: 10:36		
Sodium	50000	49200	ug/L	98	MCAWW 200.7	09/23-09/24/09	LK6841A3
			Dilution Factor: 1		Analysis Time..: 10:36		
Magnesium	50000	48300	ug/L	97	MCAWW 200.7	09/23-09/24/09	LK6841A4
			Dilution Factor: 1		Analysis Time..: 10:36		
Potassium	50000	50300	ug/L	101	MCAWW 200.7	09/23-09/24/09	LK6841A5
			Dilution Factor: 1		Analysis Time..: 10:36		
Iron	1000	973	ug/L	97	MCAWW 200.7	09/23-09/24/09	LK6841A6
			Dilution Factor: 1		Analysis Time..: 10:36		
Manganese	500	482	ug/L	96	MCAWW 200.7	09/23-09/24/09	LK6841A7
			Dilution Factor: 1		Analysis Time..: 10:36		
Chromium	200	196	ug/L	98	MCAWW 200.7	09/23-09/24/09	LK6841A8
			Dilution Factor: 1		Analysis Time..: 10:36		
Lithium	1000	987	ug/L	99	MCAWW 200.7	09/23-09/24/09	LK6841A9
			Dilution Factor: 1		Analysis Time..: 10:36		
Nickel	500	482	ug/L	96	MCAWW 200.7	09/23-09/24/09	LK6841CA
			Dilution Factor: 1		Analysis Time..: 10:36		
Strontium	1000	987	ug/L	99	MCAWW 200.7	09/23-09/24/09	LK6841CC
			Dilution Factor: 1		Analysis Time..: 10:36		
Vanadium	500	488	ug/L	98	MCAWW 200.7	09/23-09/24/09	LK6841CG
			Dilution Factor: 1		Analysis Time..: 10:36		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	50000	48600	ug/L	97	MCAWW 200.7	09/23-09/24/09	LK6841A0
			Dilution Factor: 1		Analysis Time..: 10:36		
Zinc	500	490	ug/L	98	MCAWW 200.7	09/23-09/24/09	LK6841CD
			Dilution Factor: 1		Analysis Time..: 10:36		
Cobalt	500	481	ug/L	96	MCAWW 200.7	09/23-09/24/09	LK6841CE
			Dilution Factor: 1		Analysis Time..: 10:36		
Aluminum	2000	1900	ug/L	95	MCAWW 200.7	09/23-09/24/09	LK6841CF
			Dilution Factor: 1		Analysis Time..: 10:36		
LCS Lot-Sample#: D9I210000-368 **Prep Batch #...:** 9264368							
Antimony	0.00004	0.0411	mg/L	103	MCAWW 200.8	09/23-09/24/09	LK69E1AL
			Dilution Factor: 1		Analysis Time..: 21:54		
Lead	0.0400	0.0434	mg/L	108	MCAWW 200.8	09/23-09/24/09	LK69E1AM
			Dilution Factor: 1		Analysis Time..: 20:24		
Cadmium	0.0400	0.0411	mg/L	103	MCAWW 200.8	09/23-09/24/09	LK69E1AN
			Dilution Factor: 1		Analysis Time..: 21:54		
Arsenic	0.0400	0.0407	mg/L	102	MCAWW 200.8	09/23-09/24/09	LK69E1AP
			Dilution Factor: 1		Analysis Time..: 21:54		
Selenium	0.0400	0.0435	mg/L	109	MCAWW 200.8	09/23-09/24/09	LK69E1AQ
			Dilution Factor: 1		Analysis Time..: 21:54		
Silver	0.0400	0.0403	mg/L	101	MCAWW 200.8	09/23-09/24/09	LK69E1AR
			Dilution Factor: 1		Analysis Time..: 21:54		
Thallium	0.00004	0.0424	mg/L	106	MCAWW 200.8	09/23-09/24/09	LK69E1AT
			Dilution Factor: 1		Analysis Time..: 20:24		
Uranium	0.00004	0.0439	mg/L	110	MCAWW 200.8	09/23-09/24/09	LK69E1AU
			Dilution Factor: 1		Analysis Time..: 21:54		
Molybdenum	0.00004	0.0393	mg/L	98	MCAWW 200.8	09/23-09/24/09	LK69E1AV
			Dilution Factor: 1		Analysis Time..: 21:54		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D9I180162-001 **Prep Batch #...:** 9264364							
Barium	97	(90 - 112)			MCAWW 200.7	09/23-09/24/09	LK2541CV
	96	(90 - 112)	0.87	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541CW
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Beryllium	98	(89 - 113)			MCAWW 200.7	09/23-09/24/09	LK2541CX
	98	(89 - 113)	0.02	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541C0
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Boron	98	(86 - 110)			MCAWW 200.7	09/23-09/24/09	LK2541C3
	97	(86 - 110)	1.1	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541C4
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Chromium	98	(90 - 113)			MCAWW 200.7	09/23-09/24/09	LK2541DJ
	98	(90 - 113)	0.05	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DK
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Copper	98	(86 - 112)			MCAWW 200.7	09/23-09/24/09	LK2541C5
	98	(86 - 112)	0.39	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541C6
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Iron	94	(89 - 115)			MCAWW 200.7	09/23-09/24/09	LK2541DE
	94	(89 - 115)	0.78	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DF
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Lithium	99	(90 - 112)			MCAWW 200.7	09/23-09/24/09	LK2541DL
	98	(90 - 112)	0.17	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DM
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Magnesium	94	(90 - 113)			MCAWW 200.7	09/23-09/24/09	LK2541C9
	94	(90 - 113)	0.35	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DA
		Dilution Factor: 1					
		Analysis Time..: 10:43					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	97	(90 - 110)			MCAWW 200.7	09/23-09/24/09	LK2541DG
	96	(90 - 110)	0.75	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DH
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Nickel	97	(89 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541DN
	97	(89 - 111)	0.13	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DP
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Potassium	101	(89 - 114)			MCAWW 200.7	09/23-09/24/09	LK2541DC
	101	(89 - 114)	0.22	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DD
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Sodium	108 MSB	(90 - 115)			MCAWW 200.7	09/23-09/24/09	LK2541C7
	90 MSB	(90 - 115)	2.8	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541C8
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Strontium	98	(90 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541DQ
	96	(90 - 111)	1.0	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DR
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Vanadium	99	(90 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541D1
	98	(90 - 111)	0.76	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541D2
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Aluminum	95	(87 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541DX
	95	(87 - 111)	0.12	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541D0
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Calcium	97	(90 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541C1
	96	(90 - 111)	1.1	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541C2
		Dilution Factor: 1					
		Analysis Time..: 10:43					
Cobalt	97	(89 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541DV
	97	(89 - 111)	0.15	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DW
		Dilution Factor: 1					
		Analysis Time..: 10:43					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	100	(85 - 111)			MCAWW 200.7	09/23-09/24/09	LK2541DT
	99	(85 - 111)	0.18	(0-20)	MCAWW 200.7	09/23-09/24/09	LK2541DU

Dilution Factor: 1
Analysis Time..: 10:43

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D9I180162-001 **Prep Batch #...:** 9264364									
Barium									
	110	2000	2050	ug/L	97		MCAWW 200.7	09/23-09/24/09	LK2541CV
	110	2000	2030	ug/L	96	0.87	MCAWW 200.7	09/23-09/24/09	LK2541CW
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Beryllium									
	ND	50.0	49.1	ug/L	98		MCAWW 200.7	09/23-09/24/09	LK2541CX
	ND	50.0	49.1	ug/L	98	0.02	MCAWW 200.7	09/23-09/24/09	LK2541C0
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Boron									
	150	1000	1130	ug/L	98		MCAWW 200.7	09/23-09/24/09	LK2541C3
	150	1000	1120	ug/L	97	1.1	MCAWW 200.7	09/23-09/24/09	LK2541C4
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Chromium									
	ND	200	197	ug/L	98		MCAWW 200.7	09/23-09/24/09	LK2541DJ
	ND	200	197	ug/L	98	0.05	MCAWW 200.7	09/23-09/24/09	LK2541DK
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Copper									
	ND	250	245	ug/L	98		MCAWW 200.7	09/23-09/24/09	LK2541C5
	ND	250	246	ug/L	98	0.39	MCAWW 200.7	09/23-09/24/09	LK2541C6
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Iron									
	ND	1000	1030	ug/L	94		MCAWW 200.7	09/23-09/24/09	LK2541DE
	ND	1000	1020	ug/L	94	0.78	MCAWW 200.7	09/23-09/24/09	LK2541DF
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Lithium									
	23	1000	1010	ug/L	99		MCAWW 200.7	09/23-09/24/09	LK2541DL
	23	1000	1010	ug/L	98	0.17	MCAWW 200.7	09/23-09/24/09	LK2541DM
			Dilution Factor: 1						
			Analysis Time..: 10:43						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	ND	50000	47300	ug/L	94		MCAWW 200.7	09/23-09/24/09	LK2541C9
	ND	50000	47100	ug/L	94	0.35	MCAWW 200.7	09/23-09/24/09	LK2541DA
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Manganese									
	11	500	495	ug/L	97		MCAWW 200.7	09/23-09/24/09	LK2541DG
	11	500	491	ug/L	96	0.75	MCAWW 200.7	09/23-09/24/09	LK2541DH
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Nickel									
	ND	500	484	ug/L	97		MCAWW 200.7	09/23-09/24/09	LK2541DN
	ND	500	483	ug/L	97	0.13	MCAWW 200.7	09/23-09/24/09	LK2541DP
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Potassium									
	ND	50000	51900	ug/L	101		MCAWW 200.7	09/23-09/24/09	LK2541DC
	ND	50000	51800	ug/L	101	0.22	MCAWW 200.7	09/23-09/24/09	LK2541DD
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Sodium									
	270000	50000	323000	ug/L	108		MCAWW 200.7	09/23-09/24/09	LK2541C7
			Qualifiers: MSB						
	270000	50000	314000	ug/L	90	2.8	MCAWW 200.7	09/23-09/24/09	LK2541C8
			Qualifiers: MSB						
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Strontium									
	140	1000	1110	ug/L	98		MCAWW 200.7	09/23-09/24/09	LK2541DQ
	140	1000	1100	ug/L	96	1.0	MCAWW 200.7	09/23-09/24/09	LK2541DR
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Vanadium									
	ND	500	495	ug/L	99		MCAWW 200.7	09/23-09/24/09	LK2541D1
	ND	500	491	ug/L	98	0.76	MCAWW 200.7	09/23-09/24/09	LK2541D2
			Dilution Factor: 1						
			Analysis Time..: 10:43						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum									
	ND	2000	1910	ug/L	95		MCAWW 200.7	09/23-09/24/09	LK2541DX
	ND	2000	1910	ug/L	95	0.12	MCAWW 200.7	09/23-09/24/09	LK2541D0
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Calcium									
	1900	50000	50300	ug/L	97		MCAWW 200.7	09/23-09/24/09	LK2541C1
	1900	50000	49700	ug/L	96	1.1	MCAWW 200.7	09/23-09/24/09	LK2541C2
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Cobalt									
	ND	500	485	ug/L	97		MCAWW 200.7	09/23-09/24/09	LK2541DV
	ND	500	484	ug/L	97	0.15	MCAWW 200.7	09/23-09/24/09	LK2541DW
			Dilution Factor: 1						
			Analysis Time..: 10:43						
Zinc									
	ND	500	502	ug/L	100		MCAWW 200.7	09/23-09/24/09	LK2541DT
	ND	500	501	ug/L	99	0.18	MCAWW 200.7	09/23-09/24/09	LK2541DU
			Dilution Factor: 1						
			Analysis Time..: 10:43						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D9I180162-003 **Prep Batch #...:** 9264368							
Antimony	120 N	(80 - 117)			MCAWW 200.8	09/23-09/24/09	LK27L1CU
	117	(80 - 117)	2.5	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1CV
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Arsenic	117	(79 - 120)			MCAWW 200.8	09/23-09/24/09	LK27L1C2
	113	(79 - 120)	3.4	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1C3
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Cadmium	111	(82 - 115)			MCAWW 200.8	09/23-09/24/09	LK27L1C0
	109	(82 - 115)	1.3	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1C1
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Lead	100	(79 - 119)			MCAWW 200.8	09/23-09/24/09	LK27L1CW
	87	(79 - 119)	14	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1CX
		Dilution Factor: 1					
		Analysis Time..: 20:39					
Molybdenum	116	(87 - 120)			MCAWW 200.8	09/23-09/24/09	LK27L1DD
	112	(87 - 120)	2.9	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1DE
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Selenium	114	(64 - 134)			MCAWW 200.8	09/23-09/24/09	LK27L1C4
	112	(64 - 134)	2.0	(0-35)	MCAWW 200.8	09/23-09/24/09	LK27L1C5
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Silver	109	(20 - 120)			MCAWW 200.8	09/23-09/24/09	LK27L1C6
	105	(20 - 120)	3.3	(0-40)	MCAWW 200.8	09/23-09/24/09	LK27L1C7
		Dilution Factor: 1					
		Analysis Time..: 22:10					
Thallium	99	(77 - 124)			MCAWW 200.8	09/23-09/24/09	LK27L1C8
	87	(77 - 124)	13	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1C9
		Dilution Factor: 1					
		Analysis Time..: 20:39					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Uranium	108	(82 - 125)			MCAWW 200.8	09/23-09/24/09	LK27L1DA
	101	(82 - 125)	6.6	(0-30)	MCAWW 200.8	09/23-09/24/09	LK27L1DC

Dilution Factor: 1
Analysis Time..: 22:10

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D9I180162-003 **Prep Batch #...:** 9264368									
Antimony									
	ND	0.00004	0.0481	mg/L	120		MCAWW 200.8	09/23-09/24/09	LK27L1CU
			Qualifiers: N						
	ND	0.00004	0.0470	mg/L	117	2.5	MCAWW 200.8	09/23-09/24/09	LK27L1CV
			Dilution Factor: 1						
			Analysis Time..: 22:10						
Arsenic									
	ND	0.0400	0.0466	mg/L	117		MCAWW 200.8	09/23-09/24/09	LK27L1C2
	ND	0.0400	0.0450	mg/L	113	3.4	MCAWW 200.8	09/23-09/24/09	LK27L1C3
			Dilution Factor: 1						
			Analysis Time..: 22:10						
Cadmium									
	ND	0.0400	0.0443	mg/L	111		MCAWW 200.8	09/23-09/24/09	LK27L1C0
	ND	0.0400	0.0438	mg/L	109	1.3	MCAWW 200.8	09/23-09/24/09	LK27L1C1
			Dilution Factor: 1						
			Analysis Time..: 22:10						
Lead									
	ND	0.0400	0.0400	mg/L	100		MCAWW 200.8	09/23-09/24/09	LK27L1CW
	ND	0.0400	0.0349	mg/L	87	14	MCAWW 200.8	09/23-09/24/09	LK27L1CX
			Dilution Factor: 1						
			Analysis Time..: 20:39						
Molybdenum									
	0.0036	0.00004	0.0499	mg/L	116		MCAWW 200.8	09/23-09/24/09	LK27L1DD
	0.0036	0.00004	0.0485	mg/L	112	2.9	MCAWW 200.8	09/23-09/24/09	LK27L1DE
			Dilution Factor: 1						
			Analysis Time..: 22:10						
Selenium									
	ND	0.0400	0.0457	mg/L	114		MCAWW 200.8	09/23-09/24/09	LK27L1C4
	ND	0.0400	0.0448	mg/L	112	2.0	MCAWW 200.8	09/23-09/24/09	LK27L1C5
			Dilution Factor: 1						
			Analysis Time..: 22:10						
Silver									
	ND	0.0400	0.0435	mg/L	109		MCAWW 200.8	09/23-09/24/09	LK27L1C6
	ND	0.0400	0.0420	mg/L	105	3.3	MCAWW 200.8	09/23-09/24/09	LK27L1C7
			Dilution Factor: 1						
			Analysis Time..: 22:10						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/17/09 08:32 **Date Received..:** 09/18/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	ND	0.00004	0.0397	mg/L	99		MCAWW 200.8	09/23-09/24/09	LK27L1C8
	ND	0.00004	0.0350	mg/L	87	13	MCAWW 200.8	09/23-09/24/09	LK27L1C9
			Dilution Factor: 1						
			Analysis Time..: 20:39						
Uranium									
	ND	0.00004	0.0432	mg/L	108		MCAWW 200.8	09/23-09/24/09	LK27L1DA
	ND	0.00004	0.0405	mg/L	101	6.6	MCAWW 200.8	09/23-09/24/09	LK27L1DC
			Dilution Factor: 1						
			Analysis Time..: 22:10						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: LK6KG1AA		MB Lot-Sample #:	D9I210000-175	
	ND	10	mg/L	SM18 2540 C	09/21/09	9264175
		Dilution Factor: 1				
		Analysis Time..: 16:40				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity		Work Order #: LLG921AA		MB Lot-Sample #:	D9I250000-230	
	ND	5.0	mg/L	SM18 2320 B	09/24/09	9268230
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Bromide		Work Order #: LLLCW1AA		MB Lot-Sample #:	D9I260000-108	
	ND	0.20	mg/L	MCAWW 300.0A	09/25/09	9269108
		Dilution Factor: 1				
		Analysis Time..: 16:04				
Carbonate Alkalinity		Work Order #: LLG931AA		MB Lot-Sample #:	D9I250000-235	
	ND	5.0	mg/L	SM18 2320 B	09/24/09	9268235
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Chloride		Work Order #: LLLCT1AA		MB Lot-Sample #:	D9I260000-107	
	ND	3.0	mg/L	MCAWW 300.0A	09/25/09	9269107
		Dilution Factor: 1				
		Analysis Time..: 16:04				
Fluoride		Work Order #: LLLCN1AA		MB Lot-Sample #:	D9I260000-109	
	ND	0.50	mg/L	MCAWW 300.0A	09/25/09	9269109
		Dilution Factor: 1				
		Analysis Time..: 16:04				
Ion Balance % Difference		Work Order #: LLMR81AA		MB Lot-Sample #:	D9I290000-147	
	ND	--	%	SM18 1030F & API	09/29/09	9272147
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Specific Conductance		Work Order #: LLDEQ1AA		MB Lot-Sample #:	D9I230000-099	
	ND	2.0	umhos/cm	SM18 2510 B	09/23/09	9266099
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Sulfate		Work Order #: LLLC01AA		MB Lot-Sample #:	D9I260000-106	
	ND	5.0	mg/L	MCAWW 300.0A	09/25/09	9269106
		Dilution Factor: 1				
		Analysis Time..: 16:04				
Total Alkalinity		Work Order #: LLG9N1AA		MB Lot-Sample #:	D9I250000-223	
	ND	5.0	mg/L	SM18 2320 B	09/24/09	9268223
		Dilution Factor: 1				
		Analysis Time..: 14:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D9I180162 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Anions		Work Order #: LLMR91AA		MB Lot-Sample #: D9I290000-148		
	ND	0.30	meq/L	SM17 1030F & API	09/29/09	9272148
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Cations		Work Order #: LLMTC1AA		MB Lot-Sample #: D9I290000-149		
	ND	0.10	meq/L	SM17 1030F & API	09/29/09	9272149
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Organic Carbon		Work Order #: LLAJV1AA		MB Lot-Sample #: D9I230000-269		
	ND	1.0	mg/L	SM18 5310B	09/22/09	9266269
		Dilution Factor: 1				
		Analysis Time..: 15:53				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D9I180162 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		WO#:LK4541AA-LCS/LK4541AC-LCSD LCS Lot-Sample#: D9I180000-504					
	100 FT	(97 - 102)			SM18 4500-H B	09/18/09	9261504
	100 FT	(97 - 102)	0.0	(0-5.0)	SM18 4500-H B	09/18/09	9261504
		Dilution Factor: 1			Analysis Time..: 09:19		
Bromide		WO#:LLLCW1AC-LCS/LLLCW1AD-LCSD LCS Lot-Sample#: D9I260000-108					
	100	(90 - 110)			MCAWW 300.0A	09/25/09	9269108
	100	(90 - 110)	0.04	(0-10)	MCAWW 300.0A	09/25/09	9269108
		Dilution Factor: 1			Analysis Time..: 15:30		
Chloride		WO#:LLLCT1AC-LCS/LLLCT1AD-LCSD LCS Lot-Sample#: D9I260000-107					
	101	(90 - 110)			MCAWW 300.0A	09/25/09	9269107
	101	(90 - 110)	0.09	(0-10)	MCAWW 300.0A	09/25/09	9269107
		Dilution Factor: 1			Analysis Time..: 15:30		
Fluoride		WO#:LLLCN1AC-LCS/LLLCN1AD-LCSD LCS Lot-Sample#: D9I260000-109					
	102	(90 - 110)			MCAWW 300.0A	09/25/09	9269109
	102	(90 - 110)	0.13	(0-10)	MCAWW 300.0A	09/25/09	9269109
		Dilution Factor: 1			Analysis Time..: 15:30		
Specific Conductance		WO#:LLDEQ1AC-LCS/LLDEQ1AD-LCSD LCS Lot-Sample#: D9I230000-099					
	101	(90 - 110)			SM18 2510 B	09/23/09	9266099
	101	(90 - 110)	0.14	(0-10)	SM18 2510 B	09/23/09	9266099
		Dilution Factor: 1			Analysis Time..: 13:00		
Sulfate		WO#:LLLC01AC-LCS/LLLC01AD-LCSD LCS Lot-Sample#: D9I260000-106					
	102	(90 - 110)			MCAWW 300.0A	09/25/09	9269106
	101	(90 - 110)	0.13	(0-10)	MCAWW 300.0A	09/25/09	9269106
		Dilution Factor: 1			Analysis Time..: 15:30		
Total Alkalinity		WO#:LLG9N1AC-LCS/LLG9N1AD-LCSD LCS Lot-Sample#: D9I250000-223					
	100	(90 - 110)			SM18 2320 B	09/24/09	9268223
	102	(90 - 110)	1.5	(0-10)	SM18 2320 B	09/24/09	9268223
		Dilution Factor: 1			Analysis Time..: 14:00		
Total Dissolved Solids		WO#:LK6KG1AC-LCS/LK6KG1AD-LCSD LCS Lot-Sample#: D9I210000-175					
	99	(86 - 106)			SM18 2540 C	09/21/09	9264175
	98	(86 - 106)	0.20	(0-20)	SM18 2540 C	09/21/09	9264175
		Dilution Factor: 1			Analysis Time..: 16:40		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D9I180162 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	WO#:LLAJV1AC-LCS/LLAJV1AD-LCSD					LCS Lot-Sample#: D9I230000-269	
	100	(86 - 114)			SM18 5310B	09/22/09	9266269
	100	(86 - 114)	0.16	(0-12)	SM18 5310B	09/22/09	9266269

Dilution Factor: 1 Analysis Time..: 15:53

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FT The associated analysis is recommended to be performed in the field.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D9I180162 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			WO#:LK4541AA-LCS/LK4541AC-LCSD LCS Lot-Sample#: D9I180000-504					
	7.00	7.02	FT No Units	100		SM18 4500-H B	09/18/09	9261504
	7.00	7.02	FT No Units	100	0.0	SM18 4500-H B	09/18/09	9261504
			Dilution Factor: 1			Analysis Time..: 09:19		
Bromide			WO#:LLLCW1AC-LCS/LLLCW1AD-LCSD LCS Lot-Sample#: D9I260000-108					
	5.00	5.02	mg/L	100		MCAWW 300.0A	09/25/09	9269108
	5.00	5.02	mg/L	100	0.04	MCAWW 300.0A	09/25/09	9269108
			Dilution Factor: 1			Analysis Time..: 15:30		
Chloride			WO#:LLLCT1AC-LCS/LLLCT1AD-LCSD LCS Lot-Sample#: D9I260000-107					
	25.0	25.2	mg/L	101		MCAWW 300.0A	09/25/09	9269107
	25.0	25.2	mg/L	101	0.09	MCAWW 300.0A	09/25/09	9269107
			Dilution Factor: 1			Analysis Time..: 15:30		
Fluoride			WO#:LLLCN1AC-LCS/LLLCN1AD-LCSD LCS Lot-Sample#: D9I260000-109					
	5.00	5.10	mg/L	102		MCAWW 300.0A	09/25/09	9269109
	5.00	5.11	mg/L	102	0.13	MCAWW 300.0A	09/25/09	9269109
			Dilution Factor: 1			Analysis Time..: 15:30		
Specific Conductance			WO#:LLDEQ1AC-LCS/LLDEQ1AD-LCSD LCS Lot-Sample#: D9I230000-099					
	1410	1430	umhos/cm	101		SM18 2510 B	09/23/09	9266099
	1410	1430	umhos/cm	101	0.14	SM18 2510 B	09/23/09	9266099
			Dilution Factor: 1			Analysis Time..: 13:00		
Sulfate			WO#:LLLC01AC-LCS/LLLC01AD-LCSD LCS Lot-Sample#: D9I260000-106					
	25.0	25.4	mg/L	102		MCAWW 300.0A	09/25/09	9269106
	25.0	25.3	mg/L	101	0.13	MCAWW 300.0A	09/25/09	9269106
			Dilution Factor: 1			Analysis Time..: 15:30		
Total Alkalinity			WO#:LLG9N1AC-LCS/LLG9N1AD-LCSD LCS Lot-Sample#: D9I250000-223					
	200	201	mg/L	100		SM18 2320 B	09/24/09	9268223
	200	204	mg/L	102	1.5	SM18 2320 B	09/24/09	9268223
			Dilution Factor: 1			Analysis Time..: 14:00		
Total Dissolved Solids			WO#:LK6KG1AC-LCS/LK6KG1AD-LCSD LCS Lot-Sample#: D9I210000-175					
	500	493	mg/L	99		SM18 2540 C	09/21/09	9264175
	500	492	mg/L	98	0.20	SM18 2540 C	09/21/09	9264175
			Dilution Factor: 1			Analysis Time..: 16:40		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D9I180162 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:LLAJV1AC-LCS/LLAJV1AD-LCSD		LCS Lot-Sample#: D9I230000-269				
	25.0	25.0	mg/L	100		SM18 5310B	09/22/09	9266269
	25.0	25.0	mg/L	100	0.16	SM18 5310B	09/22/09	9266269

Dilution Factor: 1 Analysis Time..: 15:53

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FT The associated analysis is recommended to be performed in the field.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/03/09 10:00 **Date Received..:** 09/10/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#: LKK3F1AF-MS/LKK3F1AG-MSD				MS Lot-Sample #: D9I100285-006	
	98	(80 - 120)			MCAWW 300.0A	09/25/09	9269110
	102	(80 - 120)	3.9	(0-20)	MCAWW 300.0A	09/25/09	9269110
		Dilution Factor: 1					
		Analysis Time..: 17:09					
Chloride		WO#: LKK3F1AH-MS/LKK3F1AJ-MSD				MS Lot-Sample #: D9I100285-006	
	104	(80 - 120)			MCAWW 300.0A	09/25/09	9269111
	103	(80 - 120)	0.14	(0-20)	MCAWW 300.0A	09/25-09/26/09	9269111
		Dilution Factor: 5					
		Analysis Time..: 23:47					
Fluoride		WO#: LKK3F1AM-MS/LKK3F1AN-MSD				MS Lot-Sample #: D9I100285-006	
	98	(80 - 120)			MCAWW 300.0A	09/25/09	9269112
	101	(80 - 120)	2.7	(0-20)	MCAWW 300.0A	09/25/09	9269112
		Dilution Factor: 1					
		Analysis Time..: 17:09					
Sulfate		WO#: LKK3F1AK-MS/LKK3F1AL-MSD				MS Lot-Sample #: D9I100285-006	
	102 E	(80 - 120)			MCAWW 300.0A	09/25/09	9269113
	101 E	(80 - 120)	0.33	(0-20)	MCAWW 300.0A	09/25-09/26/09	9269113
		Dilution Factor: 5					
		Analysis Time..: 23:47					
Total Organic Carbon		WO#: LKV821ET-MS/LKV821EU-MSD				MS Lot-Sample #: F9I160172-001	
	103	(65 - 139)			SM18 5310B	09/22/09	9266268
	97	(65 - 139)	5.8	(0-41)	SM18 5310B	09/22/09	9266268
		Dilution Factor: 1					
		Analysis Time..: 15:53					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

E Estimated or matrix interference

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D9I180162 **Matrix.....:** WATER
Date Sampled...: 09/03/09 10:00 **Date Received..:** 09/10/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: LKK3F1AF-MS/LKK3F1AG-MSD MS Lot-Sample #: D9I100285-006						
	0.29	5.00	5.19	mg/L	98		MCAWW 300.0A	09/25/09	9269110
	0.29	5.00	5.40	mg/L	102	3.9	MCAWW 300.0A	09/25/09	9269110
			Dilution Factor: 1						
			Analysis Time..: 17:09						
Chloride			WO#: LKK3F1AH-MS/LKK3F1AJ-MSD MS Lot-Sample #: D9I100285-006						
	100	125	230	mg/L	104		MCAWW 300.0A	09/25/09	9269111
	100	125	230	mg/L	103	0.14	MCAWW 300.0A	09/25-09/26/09	9269111
			Dilution Factor: 5						
			Analysis Time..: 23:47						
Fluoride			WO#: LKK3F1AM-MS/LKK3F1AN-MSD MS Lot-Sample #: D9I100285-006						
	ND	5.00	4.93	mg/L	98		MCAWW 300.0A	09/25/09	9269112
	ND	5.00	5.06	mg/L	101	2.7	MCAWW 300.0A	09/25/09	9269112
			Dilution Factor: 1						
			Analysis Time..: 17:09						
Sulfate			WO#: LKK3F1AK-MS/LKK3F1AL-MSD MS Lot-Sample #: D9I100285-006						
	240	125	367 E	mg/L	102		MCAWW 300.0A	09/25/09	9269113
	240	125	366 E	mg/L	101	0.33	MCAWW 300.0A	09/25-09/26/09	9269113
			Dilution Factor: 5						
			Analysis Time..: 23:47						
Total Organic Carbon			WO#: LKV821ET-MS/LKV821EU-MSD MS Lot-Sample #: F9I160172-001						
	ND	25.0	26.4	mg/L	103		SM18 5310B	09/22/09	9266268
	ND	25.0	25.0	mg/L	97	5.8	SM18 5310B	09/22/09	9266268
			Dilution Factor: 1						
			Analysis Time..: 15:53						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

E Estimated or matrix interference

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D9I180162 **Work Order #...:** LK12G-SMP LK12G-DUP **Matrix.....:** WATER

Date Sampled...: 09/17/09 08:50 **Date Received..:** 09/17/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #:	D9I170326-002	
	7.7	7.7	No Units	0.13	(0-5.0)	SM18 4500-H B	09/18/09	9261505

Dilution Factor: 1 Analysis Time..: 10:39

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D9I180162 **Work Order #...:** LK3LR-SMP LK3LR-DUP **Matrix.....:** WATER

Date Sampled...: 09/17/09 14:48 **Date Received..:** 09/18/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D9I180191-007		
	260	270	mg/L	0.75	(0-20)	SM18 2540 C	09/21/09	9264175

Dilution Factor: 1 Analysis Time..: 16:40

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D9I180162 **Work Order #...:** LK0GK-SMP **Matrix.....:** WATER
LK0GK-DUP
Date Sampled...: 09/16/09 08:30 **Date Received..:** 09/17/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D9I170154-002		
	19000	19000	umhos/cm	0.36	(0-10)	SM18 2510 B	09/23/09	9266099

Dilution Factor: 1 Analysis Time..: 13:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D9I180162 **Work Order #...:** LK254-SMP **Matrix.....:** WATER
LK254-DUP
Date Sampled...: 09/17/09 09:04 **Date Received..:** 09/18/09

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D9I180162-001		
	490	500	mg/L	1.2	(0-10)	SM18 2320 B	09/24/09	9268223

Dilution Factor: 1 Analysis Time..: 14:00

[redacted]

Chain of Custody Record

Sampler ID 481

Temperature on Receipt 4.4 IR1 ZM 9/18/09

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: Colorado Oil + Gas Cons. Comm	Project Manager: Peter Gintautas	Date: 17 Sept 2009	Chain of Custody Number: 126397
Address: 1120 Lincoln ST Suite 801	Telephone Number (Area Code)/Fax Number: 719-846-3091 peter.gintautas@state.co.us	Lab Number	Page 1 of 1
City: Denver · State: CO · Zip Code: 80203	Site Contact · Lab Contact: Lori Parsons		
Project Name and Location (State): Complaint 200218267	Carrier/Waybill Number: UPS 12 014 EWR 01 9527 4998 / 9828 7184		
Contract/Purchase Order/Quote No.: PHA 10-0810 PAE			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Dissolved Methane	8260 App IX	8270 App IX	TOC	200.7/200.8	TDS, pH, Cond.	Alk. (Total, HCO3)	SAR calc	Cation Anion Balance	300.0	Special Instructions/ Conditions of Receipt
05-055-06166 (Rohr 04-10)	17 Sept 09	09:04		X			4	1		6			X	X	X	X	X	X	X	X	X	X	
05-055-06290 (Rohr 09-04)	17 Sept 09	09:37		X			4	1		6			X	X	X	X	X	X	X	X	X	X	
05-055-06165 (Rohr 09-10)	17 Sept 09	08:32		X			4	1		6			X	X	X	X	X	X	X	X	X	X	
Trip Blank	17 Sept 09	07:00		X						2				X									

Filter and preserve metals samples for "dissolved" upon receipt

Anions = Br, Cl, F, SO4

200.7 = B, Ba, Be, Ca, Cr, Co, Cu, Fe, K, Li, Mg, Mn, Na, Ni, Sr, Zn, V, Al

200.8 = Ag, As, Cd, Mo, Pb, Sb, Se, Tl, U

dissolved methane = methane, ethane, ethene

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	17 Sept 2009	16:30	1. Received By: [signature]	9/18/09	1000
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy