STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Project: Nelson Water Well Complaint

TestAmerica Laboratories Lot #: D7G110148

John Axelson

Colorado Oil & Gas Conservation Commission
1120 Lincoln St.
Suite 801
Denver, CO 80203

Patrick J. McEntee
Project Manager

July 25, 2007

Case Narrative

The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are 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.

STL 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 D7G110148

Sample Receiving

STL Denver received one aqueous sample under chain of custody on July 11, 2007.

The sample was received at an acceptable temperature of 2.4°C.

All sample containers were received intact.

The volume submitted for dissolved metals was filtered and preserved by the lab upon receipt.

Holding Times

All analyses were performed within the prescribed holding time.

Volatile Organic Analysis by GC/MS, Method SW846 8260B

No anomalies were observed.

Dissolved Methane Analysis by GC, Method RSK SOP-175

The method required MS/MSD could not be performed for this batch, due to insufficient sample volume submitted. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed.

Dissolved Metals Analysis, Method MCAWW 200.7

Percent recoveries and RPD data could not be calculated for the laboratory generated for the calcium MS/MSD due to the sample concentration reading greater than four times the spike amount.

Quality Control Summary for Lot D7G110148

MS/MSD analyses were performed on sample D7G110148-001. The MS/MSD exhibited spike compound recoveries outside the QC limits for magnesium and sodium. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

General Chemistry

Sample Nelson WW was analyzed at a dilution for fluoride, nitrate and nitrite due to matrix interference. The reporting limits are elevated as a result. Associated sample results are qualified "G".

No other anomalies were observed

EXECUTIVE SUMMARY - Detection Highlights

D7G110148

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NELSON WW 07/10/07 11:55 001				
Potassium - DISSOLVED	32000	3000	ug/L	MCAWW 200.7
Magnesium - DISSOLVED	200000	200	ug/L	MCAWW 200.7
Manganese - DISSOLVED	19	10	ug/L	MCAWW 200.7
Sodium - DISSOLVED	180000	5000	ug/L	MCAWW 200.7
Calcium - DISSOLVED	580000	200	ug/L	MCAWW 200.7
Specific Conductance	6200	2.0	umhos/cm	MCAWW 120.1
pH	6.7	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	4100 Q	20	mg/L	MCAWW 160.1
Chloride	1900 Q	150	mg/L	MCAWW 300.0A
Sulfate	47 Q	25	mg/L	MCAWW 300.0A
Bromide	9.9 Q	1.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	280	5.0	mg/L	MCAWW 310.1
Total Alkalinity	280	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

D7G110148

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Bromide	MCAWW 300.0A	MCAWW 300.0A
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Dissolved Gasses in Water	RSK SOP-175	
Dissolved ICP Metals	MCAWW 200.7	MCAWW 200.7
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
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

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

METHOD / ANALYST SUMMARY

D7G110148

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	ReAnna Davis	002266
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Kevin Bloom	006134
MCAWW 200.7	Lynn-Anne Trudell	6645
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 310.1	Elizabeth Pryor	009450
RSK SOP-175	Mike Dobransky	008777
SW846 8260B	Jon Laviolette	006191

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

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

SAMPLE SUMMARY

D7G110148

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J2L5W	001	NELSON WW	07/10/07	11:55

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: NELSON WW

GC/MS Volatiles

Lot-Sample #...: D7G110148-001 **Work Order #...:** J2L5W1AP **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7194597 **Analysis Time..:** 23:45
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
4-Bromofluorobenzene	104	(75 - 115)
Toluene-d8	116	(78 - 118)

TestAmerica-Denver

VOLATILE REPORT SW-846

Data file : /chem/S.i/071207p.b/s4195.d
Lab Smp Id: J2L5W1AP Client Smp ID: NELSON WW
Inj Date : 12-JUL-2007 23:45
Operator : laviolej Inst ID: S.i
Smp Info : J2L5W1AP,,D7G110148-01 pH<2
Misc Info :
Comment :
Method : /chem/S.i/071207p.b/S-20ml-h2o.m
Meth Date : 13-Jul-2007 06:27 appelhad Quant Type: ISTD
Cal Date : 05-JUL-2007 11:25 Cal File: s4025.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: S-all.sub
Target Version: 3.40
Processing Host: chemsv02

Concentration Formula: Amt * DF * Vp/Vs

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (ml)
Vs	20.000	Sample Volume Purged (ml)

7/13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 56 Fluorobenzene	96	6.335	6.351	(1.000)	2786582	12.5000	
* 82 Chlorobenzene-d5	119	9.650	9.666	(1.000)	693127	12.5000	
* 107 1,4-Dichlorobenzene-d4	152	12.295	12.310	(1.000)	773638	12.5000	
$ 46 Dibromofluoromethane	111	5.683	5.680	(0.897)	1515088	10.8012	10.8012
$ 53 1,2-Dichloroethane-d4	65	6.045	6.061	(0.954)	629620	9.99105	9.99105
$ 70 Toluene-d8	98	7.983	7.999	(0.827)	3286532	12.1541	12.1541
$ 93 Bromofluorobenzene	95	11.063	11.060	(1.146)	1439011	10.9586	10.9586
M 1 1,2-Dichloroethene (total)	96.00	Compound Not Detected.					
M 2 Xylene (total)	106				23745	0.15225	0.152248(a)
3 dichlorodifluoromethane	85.00	Compound Not Detected.					
4 Dichlorotetrafluoroethane	85.00	Compound Not Detected.					
5 Chloromethane	50.00	Compound Not Detected.					
6 Vinyl Chloride	62.00	Compound Not Detected.					
7 Ethylene Oxide	43.00	Compound Not Detected.					
8 Bromomethane	94.00	Compound Not Detected.					
9 Chloroethane	64.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
10 Dichlorofluoromethane	67.00	Compound Not Detected.					
11 Trichlorofluoromethane	101.00	Compound Not Detected.					
12 Ethanol	45.00	Compound Not Detected.					
13 Ethyl Ether	59.00	Compound Not Detected.					
14 1,2-Dichloro-1,1,2-trifluorome	117.00	Compound Not Detected.					
15 2,2-Dichloro-1,1,1-trifluorome	83.00	Compound Not Detected.					
16 Acrolein	56.00	Compound Not Detected.					
17 Trichlorotrifluoroethane	151.00	Compound Not Detected.					
18 1,1-Dichloroethene	96.00	Compound Not Detected.					
19 Acetone	43	3.654	3.671	(0.577)	22259	3.21864	3.21864(a)
20 2-Propanol	45.00	Compound Not Detected.					
21 Iodomethane	142.00	Compound Not Detected.					
22 Carbon Disulfide	76.00	Compound Not Detected.					
23 Methyl Acetate	74.00	Compound Not Detected.					
24 Allyl Chloride	41.00	Compound Not Detected.					
25 Acetonitrile	41.00	Compound Not Detected.					
26 Methylene Chloride	84	4.034	4.069	(0.637)	32890	0.50815	0.508154(a)
27 tert-Butyl alcohol	59.00	Compound Not Detected.					
28 Methyl t-butyl ether	73.00	Compound Not Detected.					
29 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
30 Acrylonitrile	53.00	Compound Not Detected.					
31 Hexane	57.00	Compound Not Detected.					
32 Isopropyl ether	87.00	Compound Not Detected.					
33 Vinyl acetate	43.00	Compound Not Detected.					
34 1,1-Dichloroethane	63.00	Compound Not Detected.					
35 Chloroprene	53.00	Compound Not Detected.					
36 ETBE	59.00	Compound Not Detected.					
37 2,2-Dichloropropane	77.00	Compound Not Detected.					
38 cis-1,2-Dichloroethene	96.00	Compound Not Detected.					
39 2-Butanone	43.00	Compound Not Detected.					
40 Ethyl Acetate	43.00	Compound Not Detected.					
41 Propionitrile	54.00	Compound Not Detected.					
42 Methacrylonitrile	41.00	Compound Not Detected.					
43 Bromochloromethane	128.00	Compound Not Detected.					
44 Tetrahydrofuran	42.00	Compound Not Detected.					
45 Chloroform	83.00	Compound Not Detected.					
47 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
48 Cyclohexane	56.00	Compound Not Detected.					
49 Carbon Tetrachloride	117.00	Compound Not Detected.					
50 1,1-Dichloropropene	75.00	Compound Not Detected.					
51 Isobutanol	41.00	Compound Not Detected.					
52 Benzene	78.00	Compound Not Detected.					
54 TAME	73.00	Compound Not Detected.					
55 1,2-Dichloroethane	62.00	Compound Not Detected.					
57 n-Butanol	56.00	Compound Not Detected.					
58 Trichloroethene	130.00	Compound Not Detected.					
59 Methyl-Cyclohexane	55.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
60 2-Pentanone	43.00	Compound Not Detected.					
61 1,2-Dichloropropane	63.00	Compound Not Detected.					
62 Methyl Methacrylate	100.00	Compound Not Detected.					
63 1,4-Dioxane	88.00	Compound Not Detected.					
64 Dibromomethane	93.00	Compound Not Detected.					
65 Bromodichloromethane	83.00	Compound Not Detected.					
66 2-nitropropane	41.00	Compound Not Detected.					
67 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
68 cis-1,3-Dichloropropene	75.00	Compound Not Detected.					
69 4-Methyl-2-pentanone	43	7.965	7.892	(0.825)	20866	0.64862	0.648616(aQH)
71 Toluene	91.00	Compound Not Detected.					
72 trans-1,3-Dichloropropene	75.00	Compound Not Detected.					
73 Ethyl methacrylate	69.00	Compound Not Detected.					
74 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
75 Tetrachloroethene	164.00	Compound Not Detected.					
76 1,3-Dichloropropane	76.00	Compound Not Detected.					
77 2-Hexanone	43.00	Compound Not Detected.					
78 Tetrahydrothiophene	60.00	Compound Not Detected.					
79 Dibromochloromethane	129.00	Compound Not Detected.					
80 1,2-Dibromoethane	107.00	Compound Not Detected.					
81 1-Chlorohexane	91.00	Compound Not Detected.					
83 Chlorobenzene	112.00	Compound Not Detected.					
84 Ethylbenzene	106.00	Compound Not Detected.					
85 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
86 m and p-Xylene	106	9.922	9.939	(1.028)	23745	0.15225	0.152248(a)
87 o-Xylene	106.00	Compound Not Detected.					
88 Styrene	104.00	Compound Not Detected.					
89 Bromoform	173.00	Compound Not Detected.					
90 isopropyl benzene	105.00	Compound Not Detected.					
91 cis-1,4-dichloro-2-butene	53.00	Compound Not Detected.					
92 Cyclohexanone	55.00	Compound Not Detected.					
94 1,1,2,2-Tetrachloroethane	83.00	Compound Not Detected.					
95 Bromobenzene	156.00	Compound Not Detected.					
96 n-Propylbenzene	120.00	Compound Not Detected.					
97 1,2,3-Trichloropropane	110.00	Compound Not Detected.					
98 t-1,4-Dichloro-2-butene	53.00	Compound Not Detected.					
99 2-Chlorotoluene	126.00	Compound Not Detected.					
100 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
101 4-Chlorotoluene	126.00	Compound Not Detected.					
102 tert-Butylbenzene	119.00	Compound Not Detected.					
103 1,2,4-Trimethylbenzene	105	11.896	11.913	(0.968)	61226	0.23391	0.233905(aQ)
104 sec-Butylbenzene	134.00	Compound Not Detected.					
105 4-Isopropyltoluene	119.00	Compound Not Detected.					
106 m-Dichlorobenzene	146.00	Compound Not Detected.					
108 p-dichlorobenzene	146.00	Compound Not Detected.					
109 1,2,3-Trimethylbenzene	105.00	Compound Not Detected.					
110 n-Butylbenzene	91.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
111 o-Dichlorobenzene	146.00	Compound Not Detected.					
112 1,2-Dibromo-3-chloropropane	157.00	Compound Not Detected.					
113 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
114 Hexachlorobutadiene	225.00	Compound Not Detected.					
115 Napthalene	128	14.505	14.522	(1.180)	32980	0.44116	0.441163(a)
116 1,2,3-Trichlorobenzene	180.00	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.
H - Operator selected an alternate compound hit.

TestAmerica-Denver

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: S.i
Lab File ID: s4195.d
Lab Smp Id: J2L5W1AP
Analysis Type: VOA
Quant Type: ISTD
Operator: laviolej
Method File: /chem/S.i/071207p.b/S-20ml-h2o.m
Misc Info:

Calibration Date: 07/12/7
Calibration Time: 1647
Client Smp ID: NELSON WW
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
56 Fluorobenzene	2879901	1439950	5759802	2786582	-3.24
82 Chlorobenzene-d5	753670	376835	1507340	693127	-8.03
107 1,4-Dichlorobenze	899815	449908	1799630	773638	-14.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
56 Fluorobenzene	6.35	5.85	6.85	6.33	-0.24
82 Chlorobenzene-d5	9.67	9.17	10.17	9.65	-0.16
107 1,4-Dichlorobenze	12.31	11.81	12.81	12.29	-0.13

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-Denver

RECOVERY REPORT

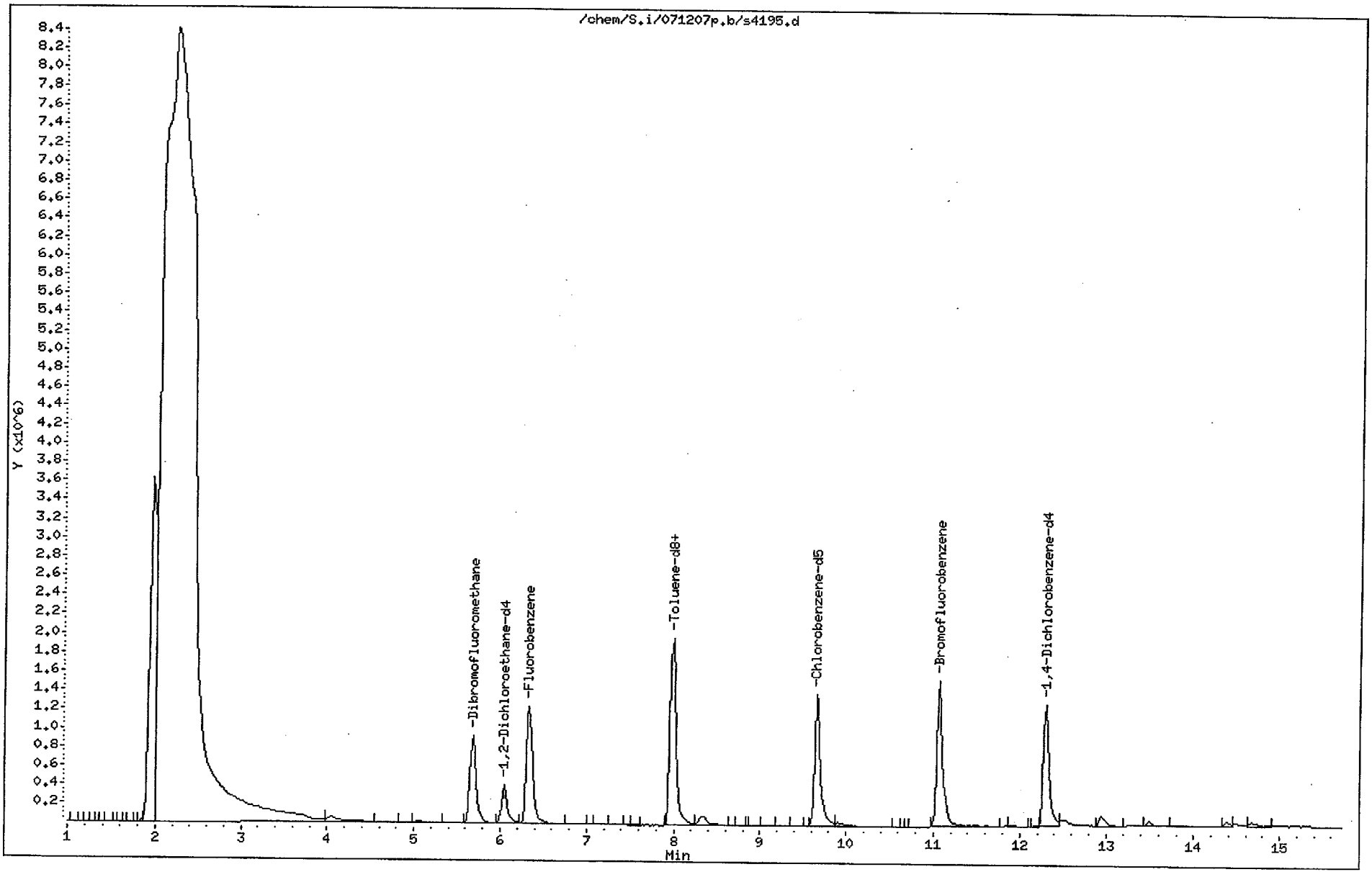
Client Name: Colorado Oil&Gas Con11-JUL-2007 Client SDG: D7G110148
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: J2L5W1AP Client Smp ID: NELSON WW
Level: LOW Operator: laviolej
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: dcs.spk Quant Type: ISTD
Sublist File: S-all.sub
Method File: /chem/S.i/071207p.b/S-20ml-h2o.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 46 Dibromofluorometha	10.5000	10.8012	102.87	79-119
$ 53 1,2-Dichloroethane	10.5000	9.99105	95.15	65-126
$ 70 Toluene-d8	10.5000	12.1541	115.75	78-118
$ 93 Bromofluorobenzene	10.5000	10.9586	104.37	75-115

Data File: /chem/S.i/071207p.b/s4195.d
Date : 12-JUL-2007 23:45
Client ID: NELSON WW
Sample Info: J2L5W1AP,,D7G110148-01 pH<2
Purge Volume: 20.0
Column phase: DB624

Instrument: S.i

Operator: laviolej
Column diameter: 0.53



Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

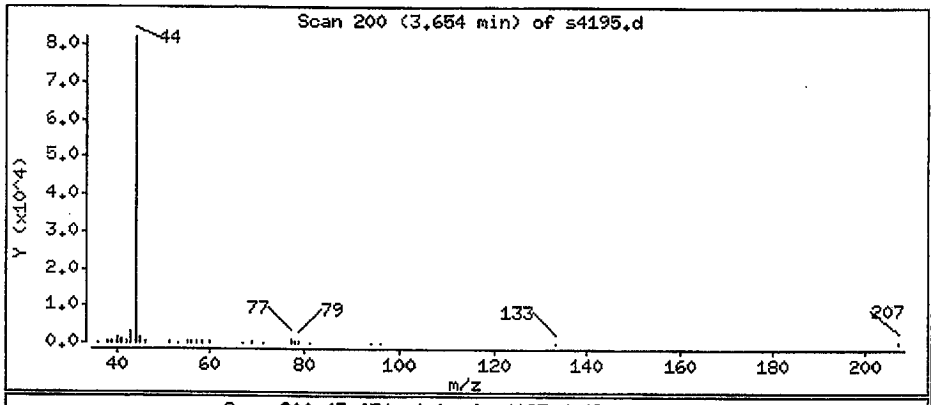
Operator: laviolej

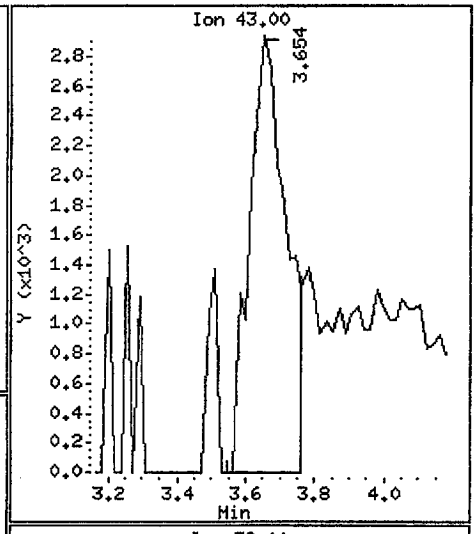
Column phase: DB624

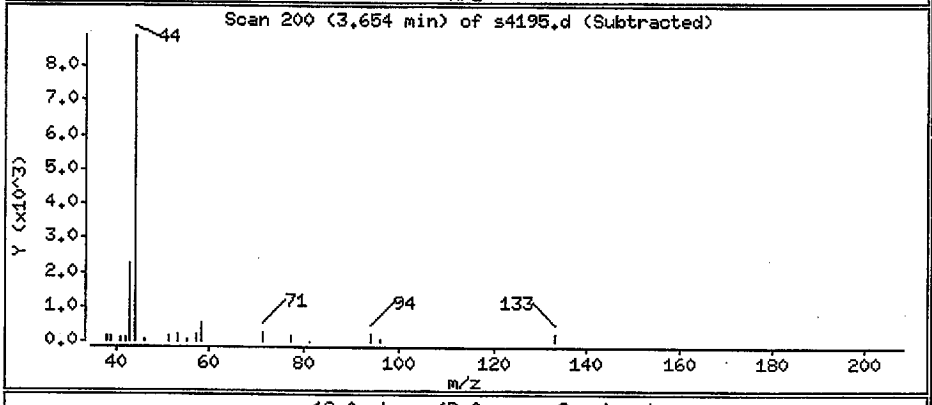
Column diameter: 0.53

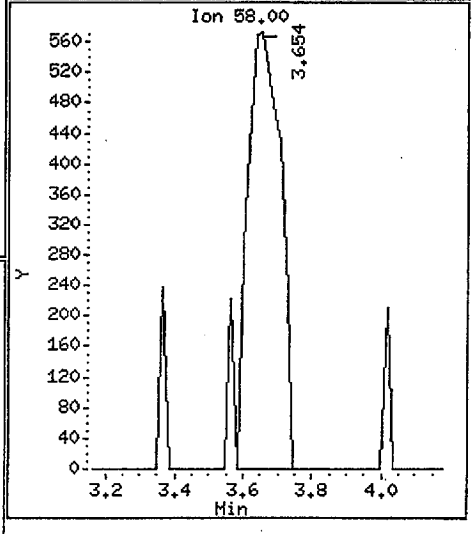
19 Acetone

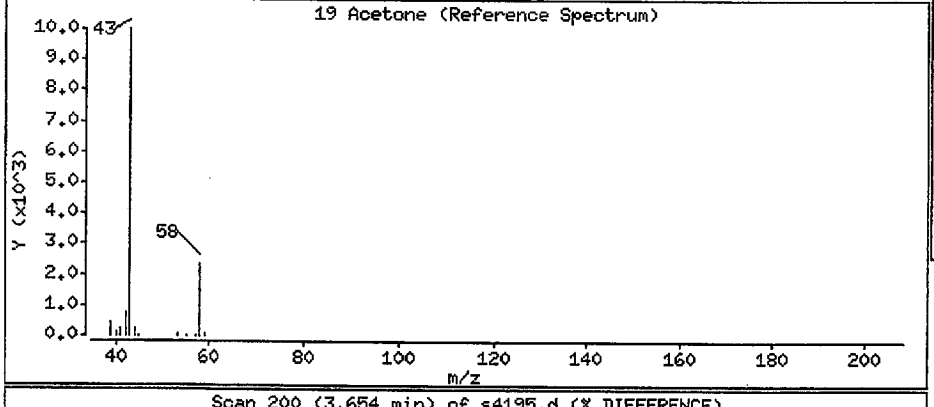
Concentration: 3.21864 ug/L

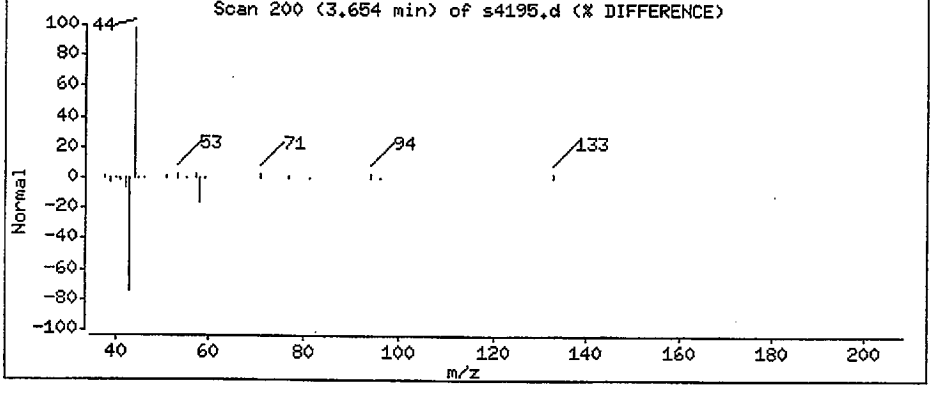












Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

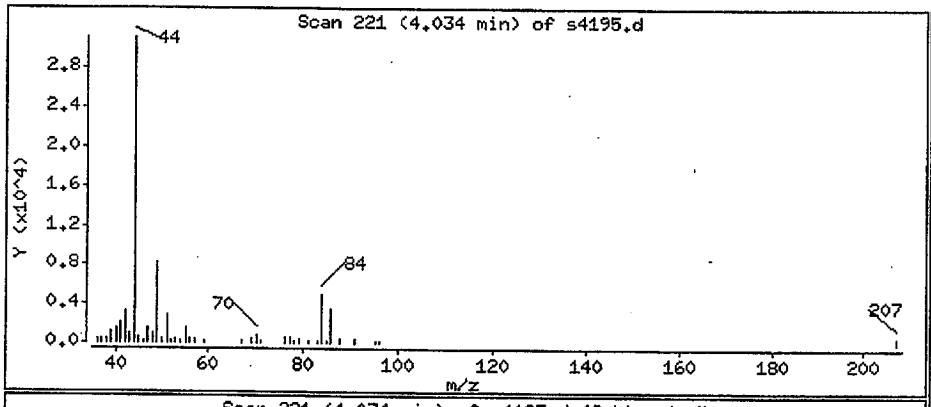
Operator: laviolej

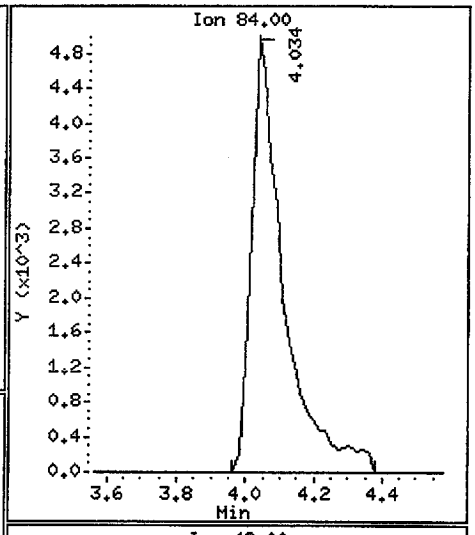
Column phase: DB624

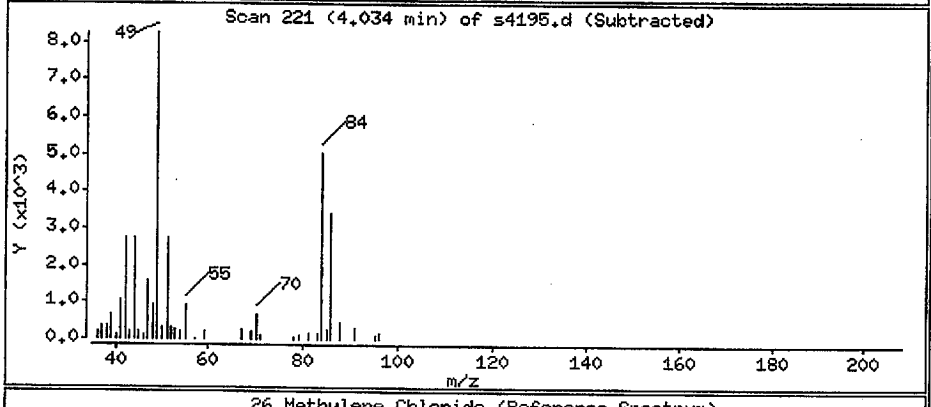
Column diameter: 0.53

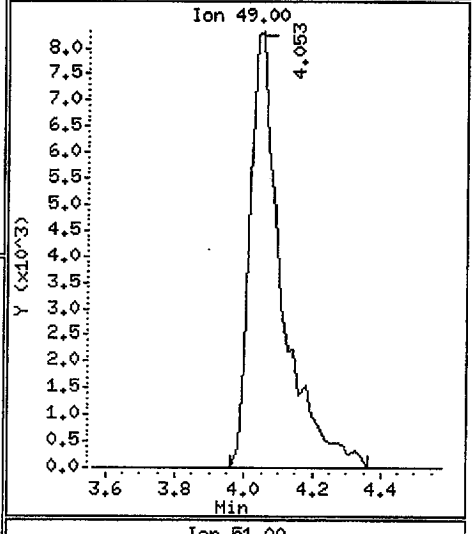
26 Methylene Chloride

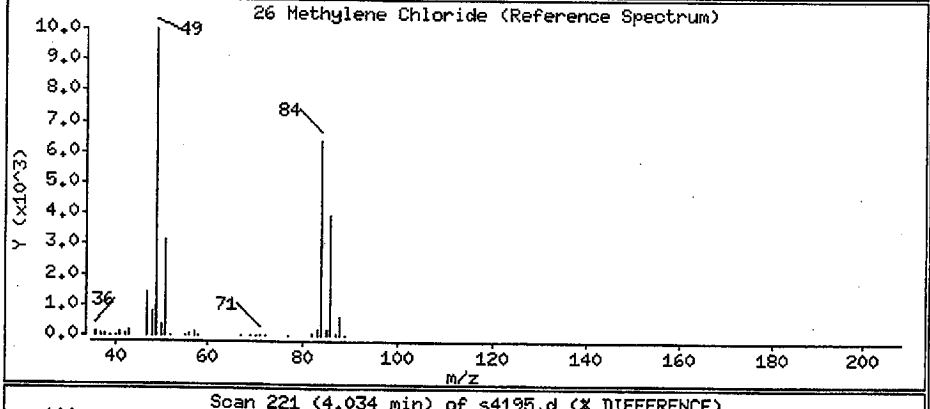
Concentration: 0.508154 ug/L

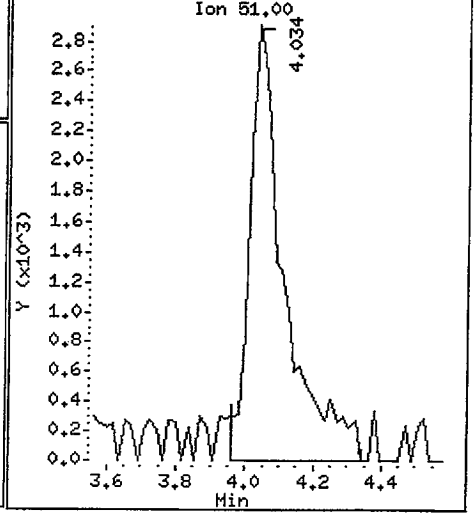


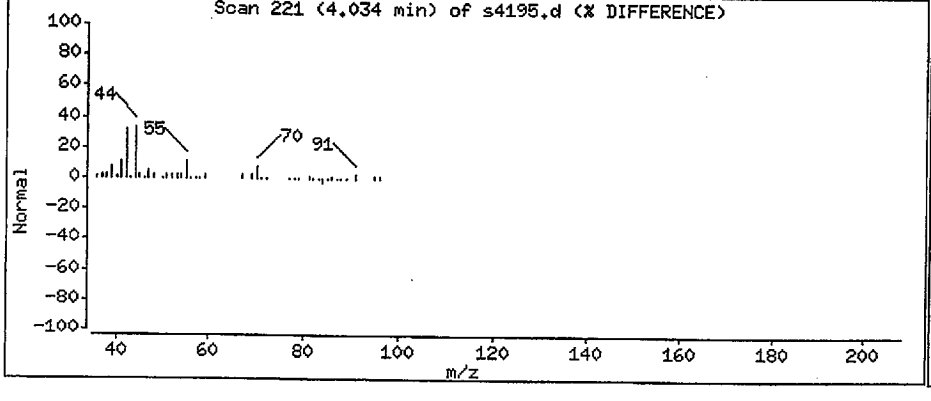












Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

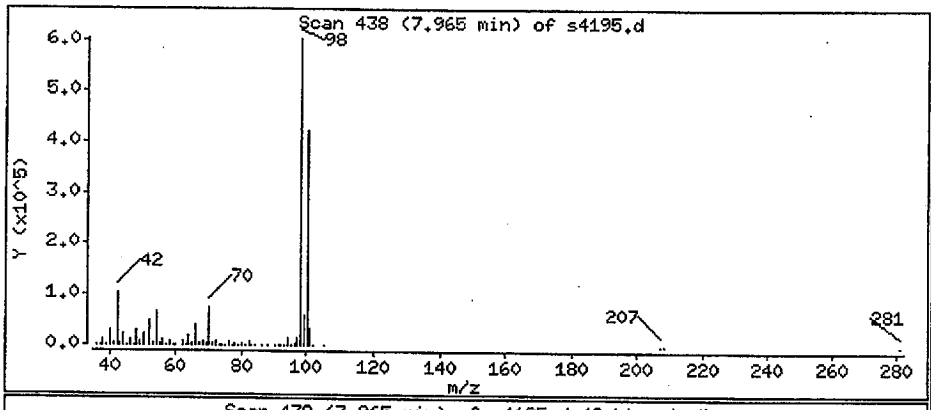
Operator: laviolej

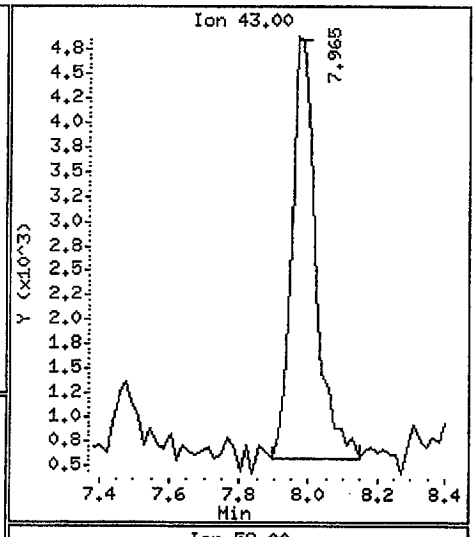
Column phase: DB624

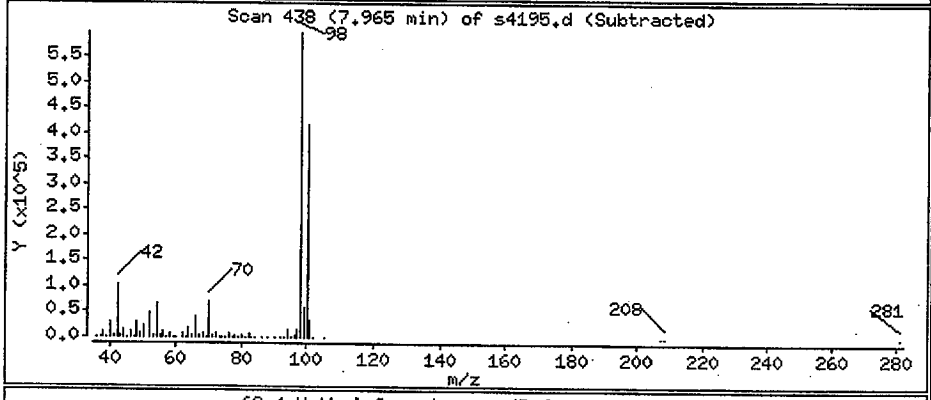
Column diameter: 0.53

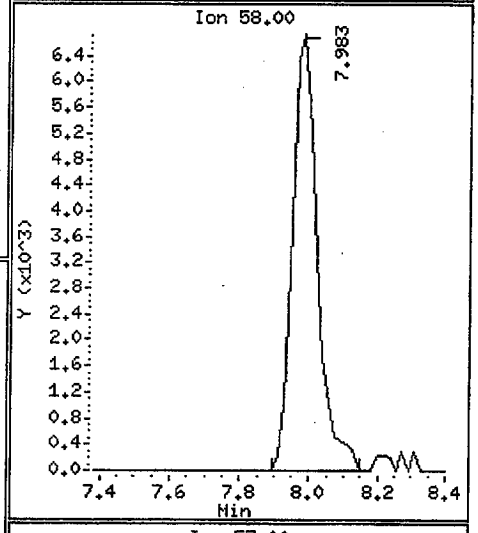
69 4-Methyl-2-pentanone

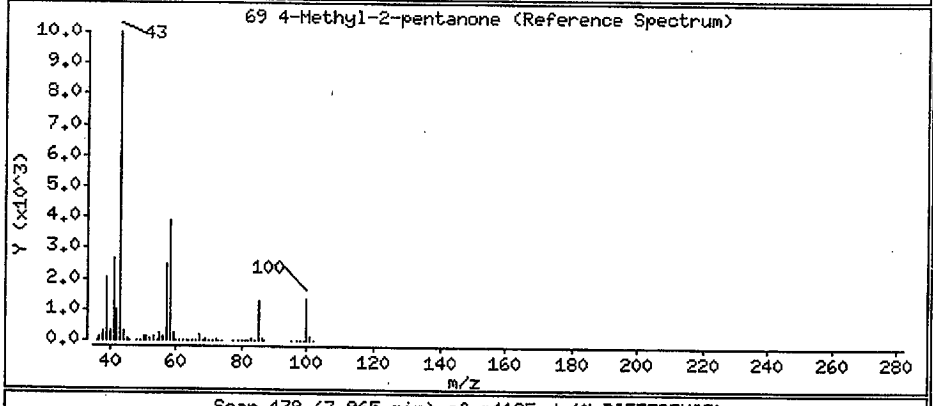
Concentration: 0.648616 ug/L

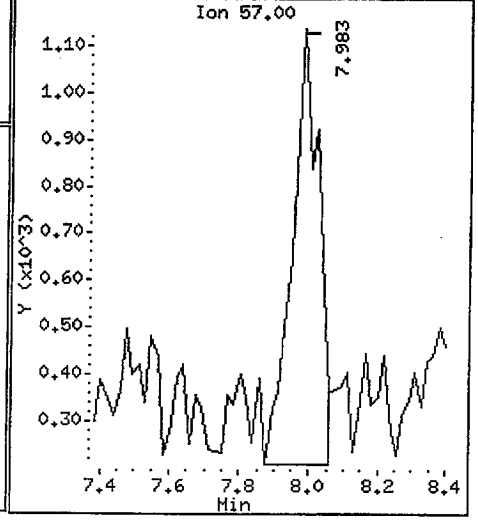


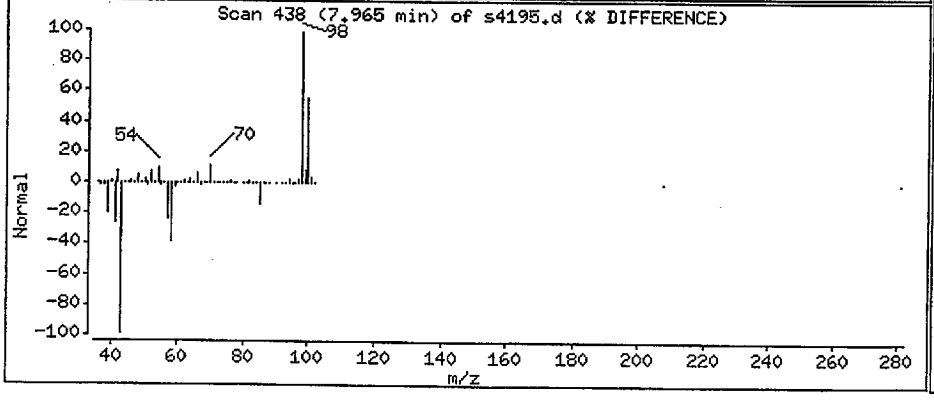












Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

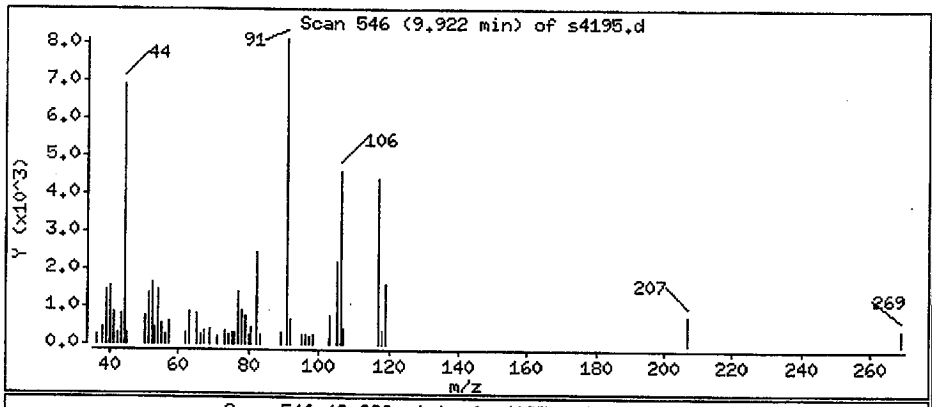
Operator: laviolej

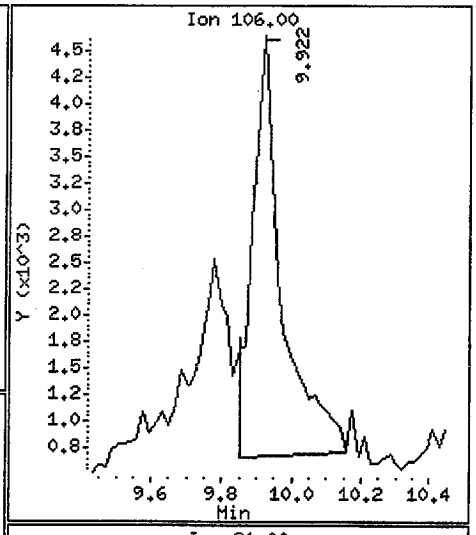
Column phase: DB624

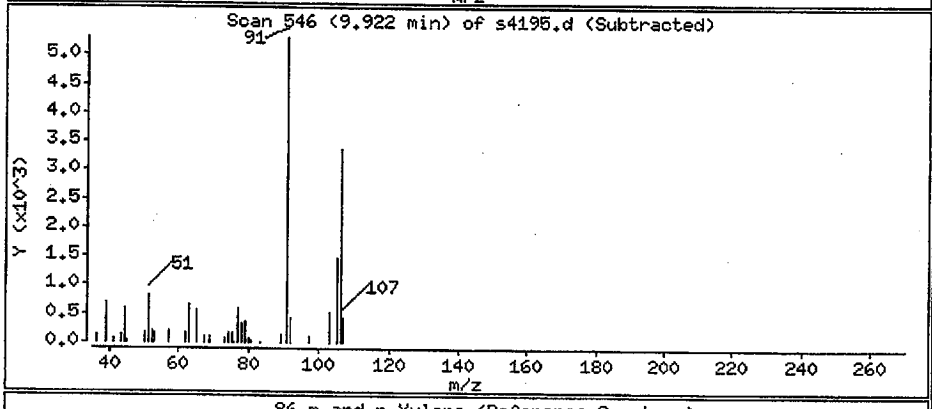
Column diameter: 0.53

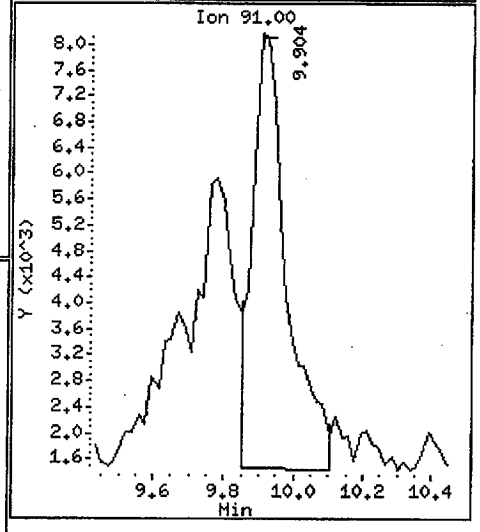
86 m and p-Xylene

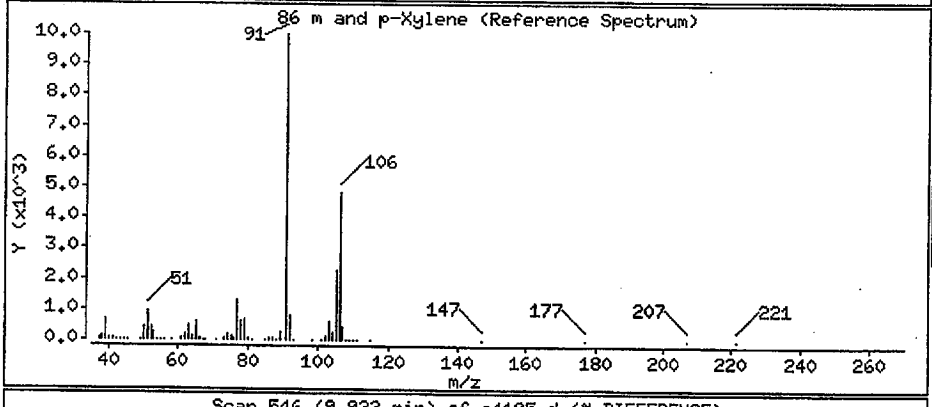
Concentration: 0.152248 ug/L

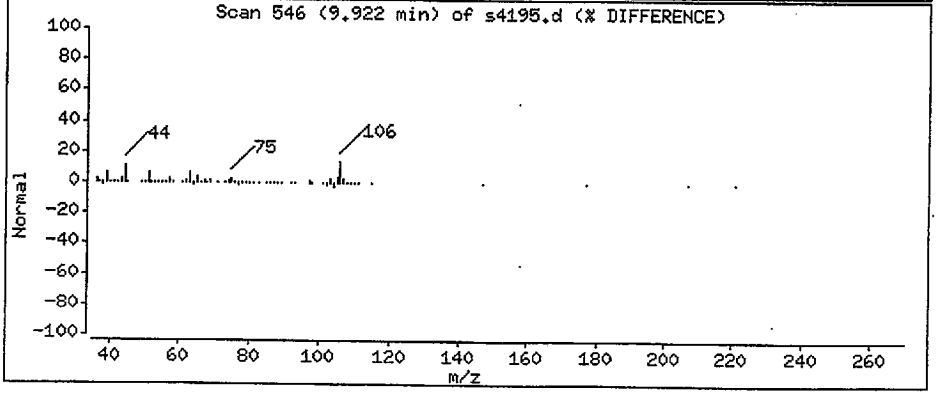












Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

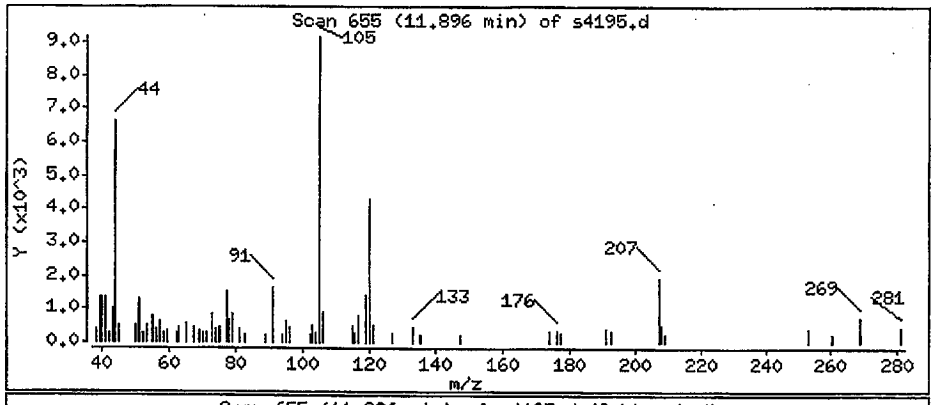
Operator: laviolej

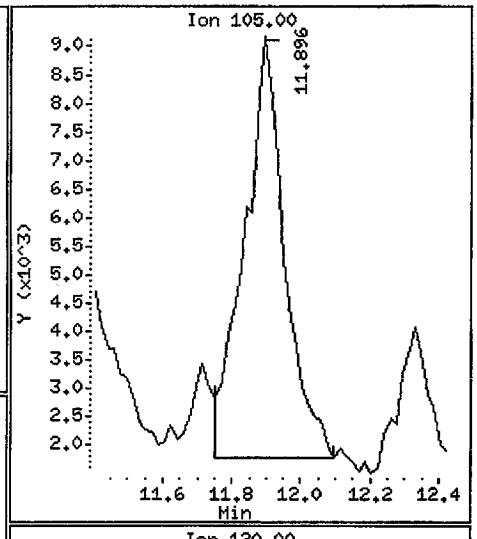
Column phase: DB624

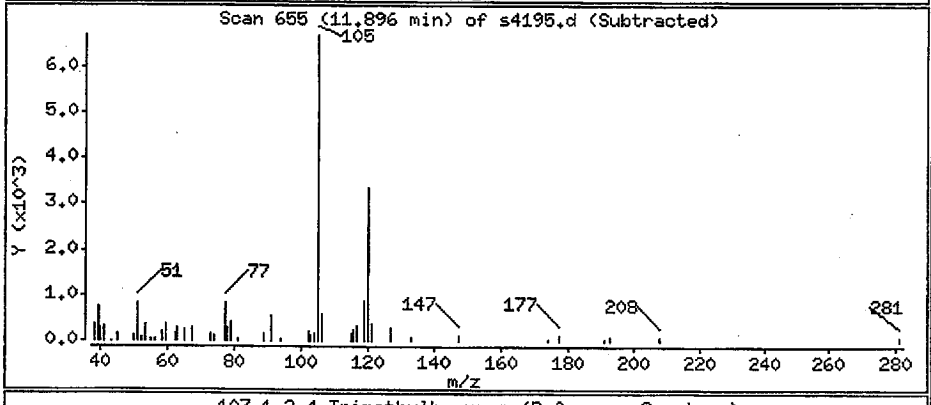
Column diameter: 0.53

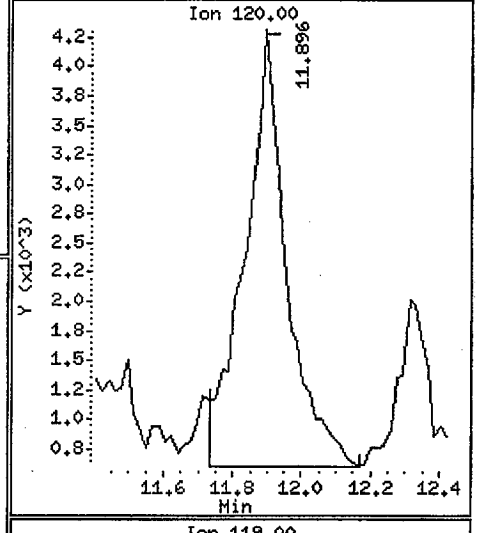
103 1,2,4-Trimethylbenzene

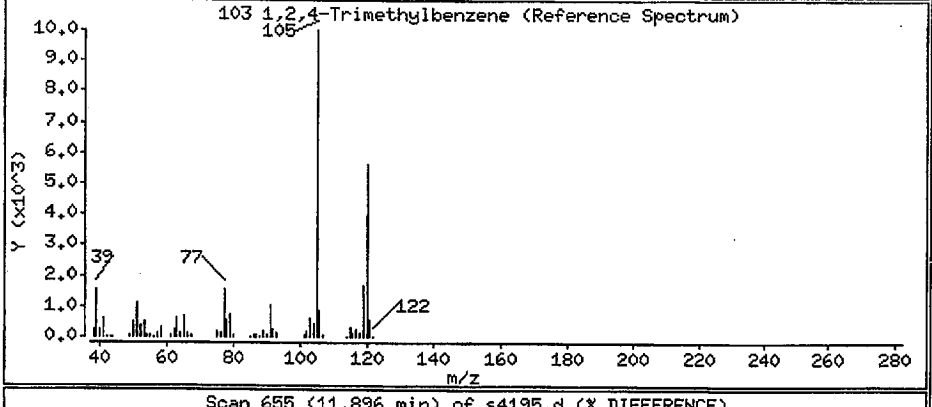
Concentration: 0.233905 ug/L

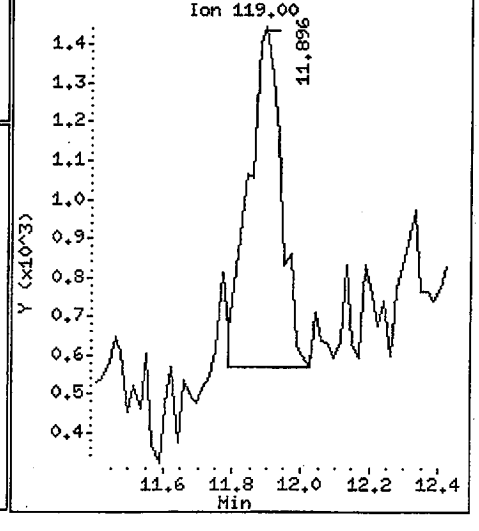


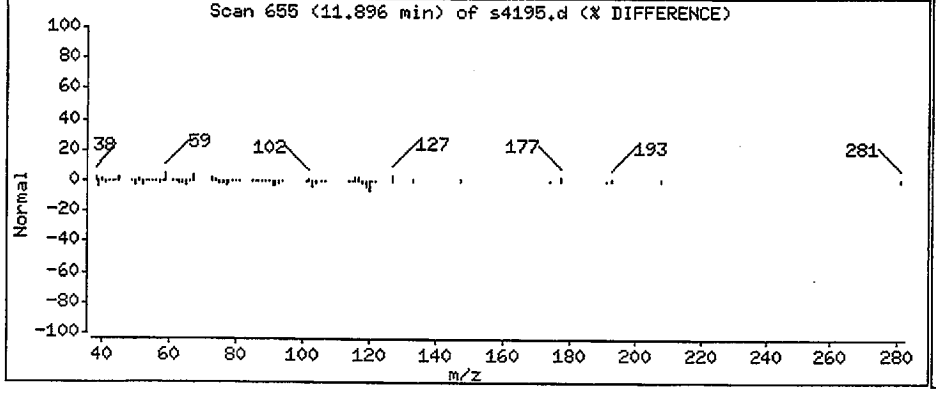












Data File: /chem/S.i/071207p.b/s4195.d

Date : 12-JUL-2007 23:45

Client ID: NELSON WW

Instrument: S.i

Sample Info: J2L5W1AP,,D7G110148-01 pH<2

Purge Volume: 20.0

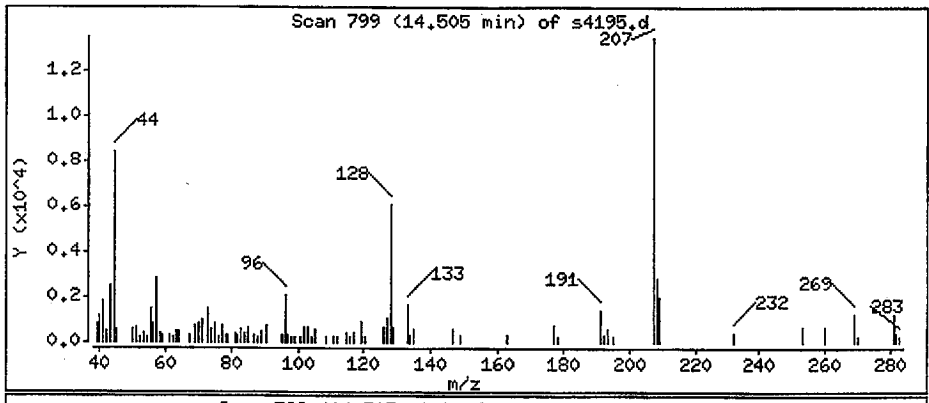
Operator: laviolej

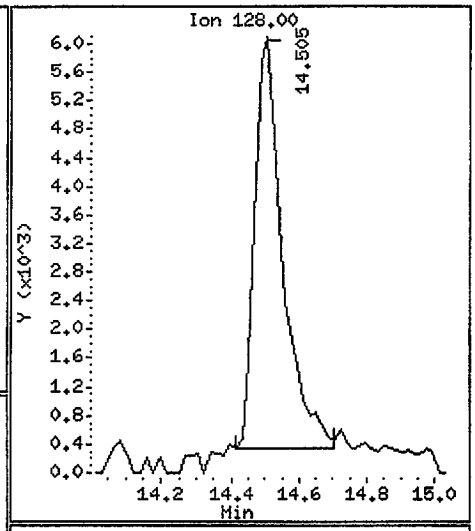
Column phase: DB624

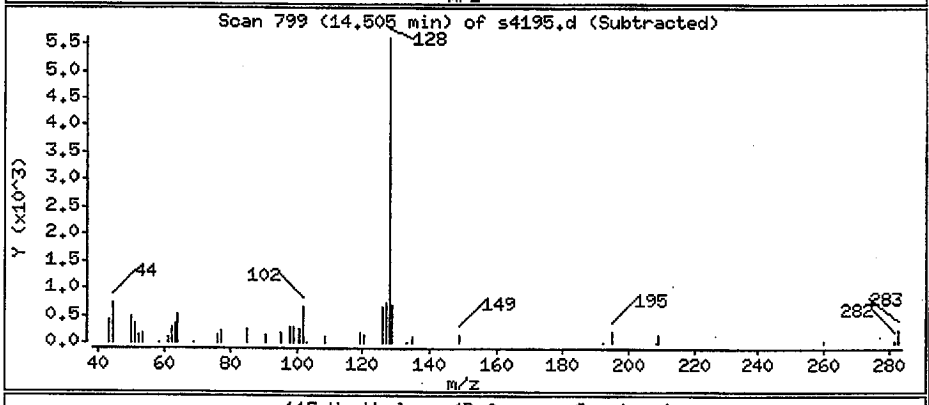
Column diameter: 0.53

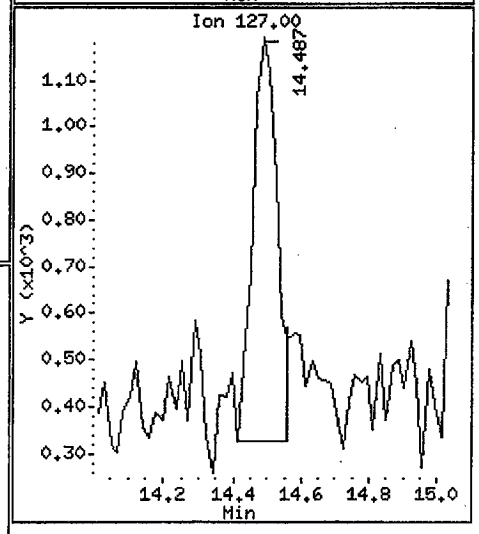
115 Napthalene

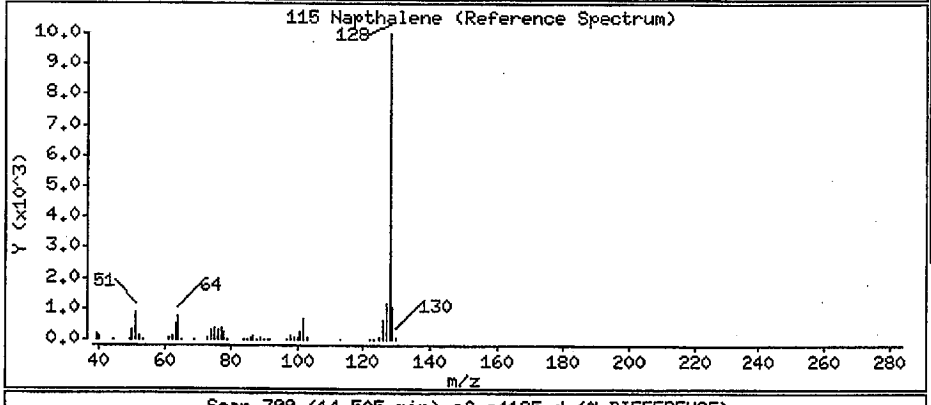
Concentration: 0.441163 ug/L

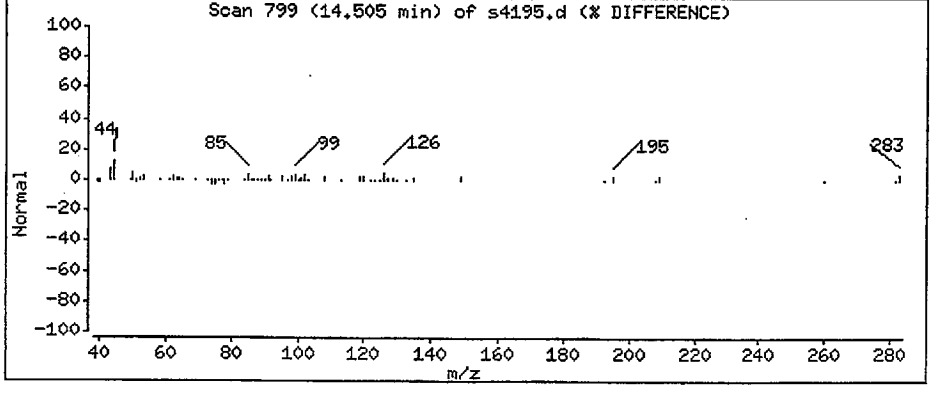












Colorado Oil&Gas Conservation Commision

Client Sample ID: NELSON WW

GC Volatiles

Lot-Sample #...: D7G110148-001 **Work Order #...:** J2L5W1AQ **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7193412 **Analysis Time..:** 10:59
Dilution Factor: 1
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

STL Denver

SW846 8015 mod.

Data file : /chem/GC_J.i/J071207-1.b/015f1501.d
Lab Smp Id: J2L5W1AQ Client Smp ID: NELSON WW
Inj Date : 12-JUL-2007 10:59
Operator : PQ/AP/MD Inst ID: GC_J.i
Smp Info : J2L5W1AQ,148-1
Misc Info : ICAL 11-MAY-2007
Comment : DEN-GC-0025
Method : /chem/GC_J.i/J071207-1.b/RSK-1_7PT.m
Meth Date : 12-Jul-2007 12:22 dobransm Quant Type: ESTD
Cal Date : 11-MAY-2007 11:49 Cal File: 009f0901.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: RSK175.01.sub
Target Version: 3.50
Processing Host: chemsv04

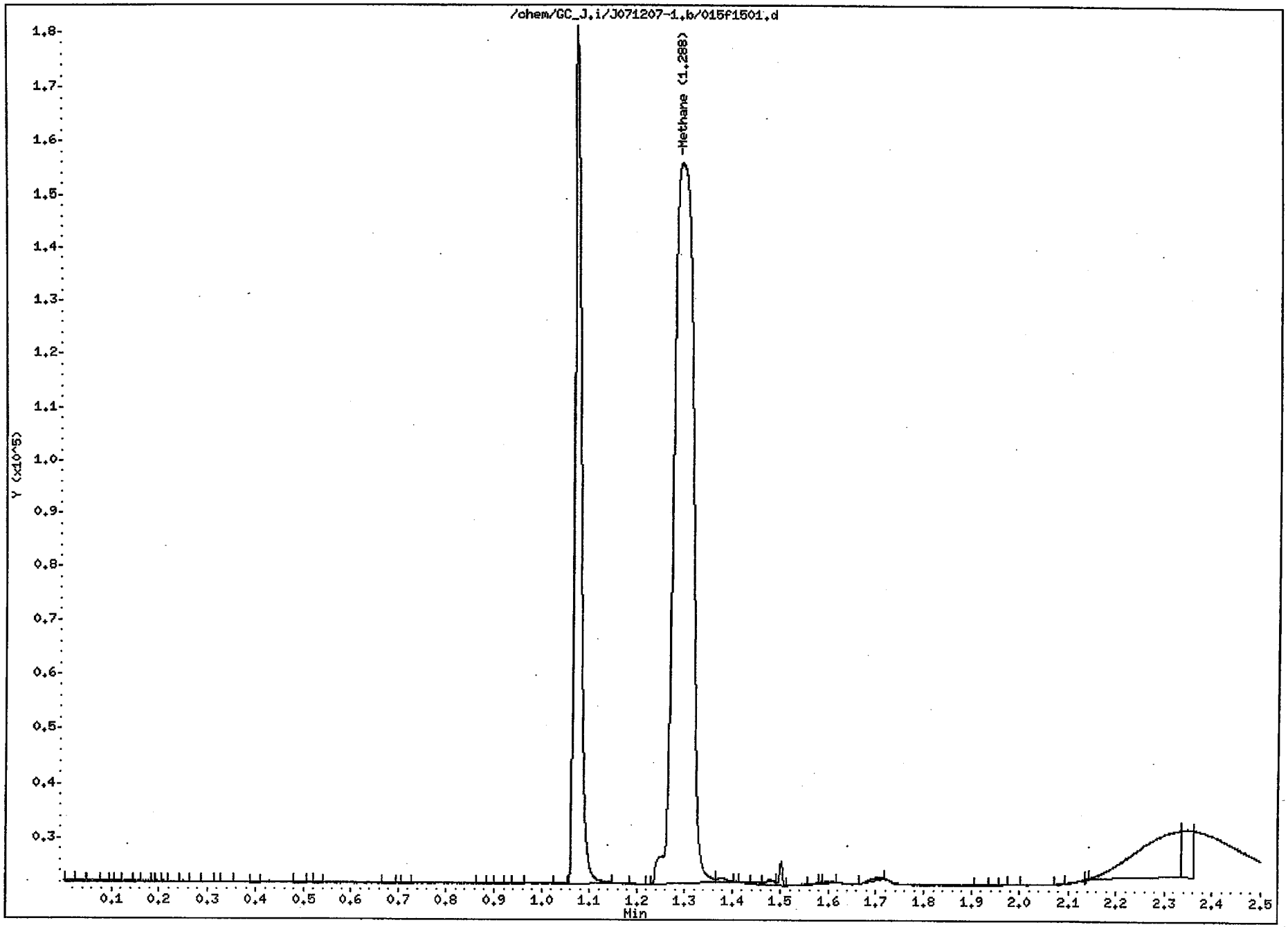
Concentration Formula: Amt * DF * 1 * CpndVariable

Cpnd Variable Local Compound Variable

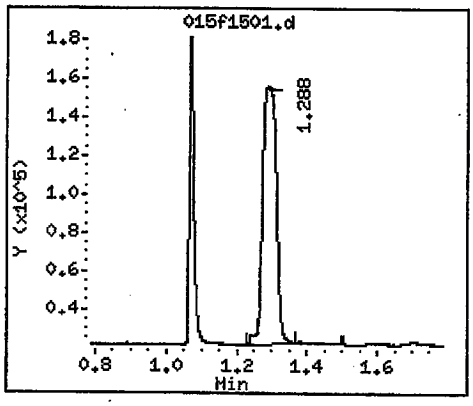
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Methane	1.288	1.290	-0.002	367403	2.53824	2.538(a)
2 Ethene	Compound Not Detected.					
3 Ethane	Compound Not Detected.					
4 Acetylene	Compound Not Detected.					

QC Flag Legend

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


/chem/GC_J.i/J071207-1.b/015f1501.d
-Methane (1.288)
Y (x10^5)
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
0.1 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



Colorado Oil&Gas Conservation Commision

Client Sample ID: NELSON WW

DISSOLVED Metals

Lot-Sample #...: D7G110148-001 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7193135						
Iron	ND	100	ug/L	MCAWW 200.7	07/13/07	J2L5W1AX
		Dilution Factor: 1		Analysis Time..: 17:35		
Potassium	**32000**	**3000**	**ug/L**	**MCAWW 200.7**	**07/13/07**	**J2L5W1AW**
		Dilution Factor: 1		Analysis Time..: 17:35		
Magnesium	**200000**	**200**	**ug/L**	**MCAWW 200.7**	**07/13/07**	**J2L5W1AV**
		Dilution Factor: 1		Analysis Time..: 17:35		
Manganese	**19**	**10**	**ug/L**	**MCAWW 200.7**	**07/13/07**	**J2L5W1A0**
		Dilution Factor: 1		Analysis Time..: 17:35		
Sodium	**180000**	**5000**	**ug/L**	**MCAWW 200.7**	**07/13/07**	**J2L5W1AU**
		Dilution Factor: 1		Analysis Time..: 17:35		
Calcium	**580000**	**200**	**ug/L**	**MCAWW 200.7**	**07/13/07**	**J2L5W1AT**
		Dilution Factor: 1		Analysis Time..: 17:35		
Selenium	ND	15	ug/L	MCAWW 200.7	07/13/07	J2L5W1AR
		Dilution Factor: 1		Analysis Time..: 17:35		

Colorado Oil&Gas Conservation Commision

Client Sample ID: NELSON WW

General Chemistry

Lot-Sample #...: D7G110148-001 **Work Order #...:** J2L5W **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**6.7**	**0.10**	**No Units**	**MCAWW 150.1**	**07/11/07**	**7192478**
		Dilution Factor: 1		Analysis Time..: 13:39		
Bicarbonate, as CaCO 3	**280**	**5.0**	**mg/L**	**MCAWW 310.1**	**07/17/07**	**7200599**
		Dilution Factor: 1		Analysis Time..: 18:00		
Bromide	**9.9 Q**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/11/07**	**7193490**
		Dilution Factor: 5		Analysis Time..: 13:10		
Carbonate, as CaCO3	ND	5.0	mg/L	MCAWW 310.1	07/17/07	7200650
		Dilution Factor: 1		Analysis Time..: 18:00		
Chloride	**1900 Q**	**150**	**mg/L**	**MCAWW 300.0A**	**07/11/07**	**7193491**
		Dilution Factor: 50		Analysis Time..: 16:55		
Fluoride	ND G	2.5	mg/L	MCAWW 300.0A	07/11/07	7193492
		Dilution Factor: 5		Analysis Time..: 13:10		
Nitrate	ND G	2.5	mg/L	MCAWW 300.0A	07/11/07	7193493
		Dilution Factor: 5		Analysis Time..: 13:10		
Nitrite	ND G	2.5	mg/L	MCAWW 300.0A	07/11/07	7193494
		Dilution Factor: 5		Analysis Time..: 13:10		
Specific Conductance	**6200**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**07/20/07**	**7201434**
		Dilution Factor: 1		Analysis Time..: 15:00		
Sulfate	**47 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**07/11/07**	**7193495**
		Dilution Factor: 5		Analysis Time..: 13:10		
Total Alkalinity	**280**	**5.0**	**mg/L**	**MCAWW 310.1**	**07/17/07**	**7200595**
		Dilution Factor: 1		Analysis Time..: 18:00		
Total Dissolved Solids	**4100 Q**	**20**	**mg/L**	**MCAWW 160.1**	**07/16/07**	**7197091**
		Dilution Factor: 2		Analysis Time..: 12:30		

NOTE(S):

RL Reporting Limit

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

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

QC DATA ASSOCIATION SUMMARY

D7G110148

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		7201434	7201271
	WATER	MCAWW 150.1		7192478	7193129
	WATER	MCAWW 160.1		7197091	7201166
	WATER	MCAWW 200.7		7193135	7193085
	WATER	MCAWW 310.1		7200650	
	WATER	MCAWW 300.0A		7193491	7194126
	WATER	MCAWW 300.0A		7193495	7194135
	WATER	MCAWW 300.0A		7193492	7194125
	WATER	MCAWW 300.0A		7193493	7194134
	WATER	MCAWW 300.0A		7193490	7194133
	WATER	MCAWW 300.0A		7193494	7194130
	WATER	SW846 8260B		7194597	7194331
	WATER	MCAWW 310.1		7200599	
	WATER	MCAWW 310.1		7200595	7200386
	WATER	RSK SOP-175		7193412	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D7G110148 **Work Order #...:** J2WXR1AA **Matrix.....:** WATER
MB Lot-Sample #: D7G130000-597

Prep Date.....: 07/12/07 **Analysis Time..:** 17:52
Analysis Date..: 07/12/07 **Prep Batch #...:** 7194597
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
1,2-Dichloroethane-d4	93	(65 - 126)
4-Bromofluorobenzene	98	(75 - 115)
Toluene-d8	107	(78 - 118)

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 #...: D7G110148 **Work Order #...:** J2WXR1AC **Matrix.....:** WATER
LCS Lot-Sample#: D7G130000-597
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7194597 **Analysis Time..:** 18:43
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**105**	**(77 - 118)**	**SW846 8260B**
Toluene	**102**	**(73 - 120)**	**SW846 8260B**
Ethylbenzene	**106**	**(78 - 118)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(79 - 119)
1,2-Dichloroethane-d4	100	(65 - 126)
4-Bromofluorobenzene	95	(75 - 115)
Toluene-d8	109	(78 - 118)

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 #...: D7G110148 **Work Order #...:** J2WXR1AC **Matrix.....:** WATER
LCS Lot-Sample#: D7G130000-597
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7194597 **Analysis Time..:** 18:43
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Ethylbenzene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(79 - 119)
1,2-Dichloroethane-d4	100	(65 - 126)
4-Bromofluorobenzene	95	(75 - 115)
Toluene-d8	109	(78 - 118)

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 #...: D7G110148 **Work Order #...:** J11W01AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D7F280267-011 J11W01AD-MSD
Date Sampled...: 06/28/07 **Date Received..:** 06/28/07
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7194597 **Analysis Time..:** 19:48
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**108**	**(77 - 118)**			**SW846 8260B**
	104	**(77 - 118)**	**3.8**	**(0-20)**	**SW846 8260B**
Toluene	**104**	**(73 - 120)**			**SW846 8260B**
	100	**(73 - 120)**	**4.6**	**(0-20)**	**SW846 8260B**
Ethylbenzene	**108**	**(78 - 118)**			**SW846 8260B**
	104	**(78 - 118)**	**4.1**	**(0-26)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
	101	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
	98	(75 - 115)
Toluene-d8	109	(78 - 118)
	113	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D7G110148 **Work Order #...:** J11W01AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D7F280267-011 J11W01AD-MSD
Date Sampled...: 06/28/07 **Date Received..:** 06/28/07
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7194597 **Analysis Time..:** 19:48
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**104**	**3.8**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	ND	**10.0**	**9.96**	**ug/L**	**100**	**4.6**	**SW846 8260B**
Ethylbenzene	**ND**	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	ND	**10.0**	**10.4**	**ug/L**	**104**	**4.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
	101	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
	96	(65 - 126)
4-Bromofluorobenzene	97	(75 - 115)
	98	(75 - 115)
Toluene-d8	109	(78 - 118)
	113	(78 - 118)

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 #...: D7G110148 **Work Order #...:** J2QWF1AA **Matrix.....:** WATER
MB Lot-Sample #: D7G120000-412

Prep Date.....: 07/12/07 **Analysis Time..:** 09:32
Analysis Date..: 07/12/07 **Prep Batch #...:** 7193412
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methane	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 #...: D7G110148 **Work Order #...:** J2QWF1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G120000-412 J2QWF1AD-LCSD
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7193412 **Analysis Time..:** 09:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	**96**	**(75 - 125)**			**RSK SOP-175**
	102	**(75 - 125)**	**6.0**	**(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 #...: D7G110148 **Work Order #...:** J2QWF1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7G120000-412 J2QWF1AD-LCSD
Prep Date.....: 07/12/07 **Analysis Date..:** 07/12/07
Prep Batch #...: 7193412 **Analysis Time..:** 09:22
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Methane	**73.0**	**70.0**	**ug/L**	**96**		**RSK SOP-175**
	73.0	**74.4**	**ug/L**	**102**	**6.0**	**RSK SOP-175**

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7G120000-135 **Prep Batch #...:** 7193135						
Iron	ND	100	ug/L	MCAWW 200.7	07/13-07/16/07	J2PEK1AG
		Dilution Factor: 1				
		Analysis Time..: 08:14				
Magnesium	ND	200	ug/L	MCAWW 200.7	07/13/07	J2PEK1AE
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Manganese	ND	10	ug/L	MCAWW 200.7	07/13/07	J2PEK1AH
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Potassium	ND	3000	ug/L	MCAWW 200.7	07/13/07	J2PEK1AF
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Sodium	ND	5000	ug/L	MCAWW 200.7	07/13/07	J2PEK1AD
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Calcium	ND	200	ug/L	MCAWW 200.7	07/13/07	J2PEK1AC
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Selenium	ND	15	ug/L	MCAWW 200.7	07/13/07	J2PEK1AA
		Dilution Factor: 1				
		Analysis Time..: 17:26				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D7G120000-135 **Prep Batch #...:** 7193135					
Sodium	101	(90 - 115)	MCAWW 200.7	07/13/07	J2PEK1AL
		Dilution Factor: 1	Analysis Time..: 17:31		
Magnesium	91	(90 - 113)	MCAWW 200.7	07/13/07	J2PEK1AM
		Dilution Factor: 1	Analysis Time..: 17:31		
Potassium	97	(89 - 114)	MCAWW 200.7	07/13/07	J2PEK1AN
		Dilution Factor: 1	Analysis Time..: 17:31		
Iron	95	(89 - 115)	MCAWW 200.7	07/13/07	J2PEK1AP
		Dilution Factor: 1	Analysis Time..: 17:31		
Manganese	97	(90 - 110)	MCAWW 200.7	07/13/07	J2PEK1AQ
		Dilution Factor: 1	Analysis Time..: 17:31		
Selenium	95	(85 - 112)	MCAWW 200.7	07/13/07	J2PEK1AJ
		Dilution Factor: 1	Analysis Time..: 17:31		
Calcium	94	(90 - 111)	MCAWW 200.7	07/13/07	J2PEK1AK
		Dilution Factor: 1	Analysis Time..: 17:31		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D7G120000-135 **Prep Batch #...:** 7193135							
Sodium	50000	50300	ug/L	101	MCAWW 200.7	07/13/07	J2PEK1AL
			Dilution Factor: 1		Analysis Time..: 17:31		
Magnesium	50000	45700	ug/L	91	MCAWW 200.7	07/13/07	J2PEK1AM
			Dilution Factor: 1		Analysis Time..: 17:31		
Potassium	50000	48500	ug/L	97	MCAWW 200.7	07/13/07	J2PEK1AN
			Dilution Factor: 1		Analysis Time..: 17:31		
Iron	1000	953	ug/L	95	MCAWW 200.7	07/13/07	J2PEK1AP
			Dilution Factor: 1		Analysis Time..: 17:31		
Manganese	500	486	ug/L	97	MCAWW 200.7	07/13/07	J2PEK1AQ
			Dilution Factor: 1		Analysis Time..: 17:31		
Selenium	2000	1890	ug/L	95	MCAWW 200.7	07/13/07	J2PEK1AJ
			Dilution Factor: 1		Analysis Time..: 17:31		
Calcium	50000	46900	ug/L	94	MCAWW 200.7	07/13/07	J2PEK1AK
			Dilution Factor: 1		Analysis Time..: 17:31		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7G110148-001 **Prep Batch #...:** 7193135							
Iron	91	(89 - 115)			MCAWW 200.7	07/13/07	J2L5W1CC
	95	(89 - 115)	3.8	(0-20)	MCAWW 200.7	07/13/07	J2L5W1CD
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Magnesium	68 N	(90 - 113)			MCAWW 200.7	07/13/07	J2L5W1A7
	93	(90 - 113)	5.1	(0-20)	MCAWW 200.7	07/13/07	J2L5W1A8
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Manganese	94	(90 - 110)			MCAWW 200.7	07/13/07	J2L5W1CE
	98	(90 - 110)	3.9	(0-20)	MCAWW 200.7	07/13/07	J2L5W1CF
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Potassium	95	(89 - 114)			MCAWW 200.7	07/13/07	J2L5W1A9
	103	(89 - 114)	4.6	(0-20)	MCAWW 200.7	07/13/07	J2L5W1CA
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Sodium	87 N	(90 - 115)			MCAWW 200.7	07/13/07	J2L5W1A5
	107	(90 - 115)	4.5	(0-20)	MCAWW 200.7	07/13/07	J2L5W1A6
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Calcium	NC,MSB	(90 - 111)			MCAWW 200.7	07/13/07	J2L5W1A3
	NC,MSB	(90 - 111)		(0-20)	MCAWW 200.7	07/13/07	J2L5W1A4
		Dilution Factor: 1					
		Analysis Time..: 17:45					
Selenium	94	(85 - 112)			MCAWW 200.7	07/13/07	J2L5W1A1
	98	(85 - 112)	4.1	(0-20)	MCAWW 200.7	07/13/07	J2L5W1A2
		Dilution Factor: 1					
		Analysis Time..: 17:45					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7G110148-001 **Prep Batch #...:** 7193135									
Iron									
	ND	1000	921	ug/L	91		MCAWW 200.7	07/13/07	J2L5W1CC
	ND	1000	957	ug/L	95	3.8	MCAWW 200.7	07/13/07	J2L5W1CD
			Dilution Factor: 1						
			Analysis Time..: 17:45						
Magnesium									
	200000	50000	233000	ug/L	68		MCAWW 200.7	07/13/07	J2L5W1A7
			Qualifiers: N						
	200000	50000	245000	ug/L	93	5.1	MCAWW 200.7	07/13/07	J2L5W1A8
			Dilution Factor: 1						
			Analysis Time..: 17:45						
Manganese									
	19	500	489	ug/L	94		MCAWW 200.7	07/13/07	J2L5W1CE
	19	500	509	ug/L	98	3.9	MCAWW 200.7	07/13/07	J2L5W1CF
			Dilution Factor: 1						
			Analysis Time..: 17:45						
Potassium									
	32000	50000	79800	ug/L	95		MCAWW 200.7	07/13/07	J2L5W1A9
	32000	50000	83600	ug/L	103	4.6	MCAWW 200.7	07/13/07	J2L5W1CA
			Dilution Factor: 1						
			Analysis Time..: 17:45						
Sodium									
	180000	50000	222000	ug/L	87		MCAWW 200.7	07/13/07	J2L5W1A5
			Qualifiers: N						
	180000	50000	232000	ug/L	107	4.5	MCAWW 200.7	07/13/07	J2L5W1A6
			Dilution Factor: 1						
			Analysis Time..: 17:45						
Calcium									
	580000	50000	600000	ug/L			MCAWW 200.7	07/13/07	J2L5W1A3
			Qualifiers: NC,MSB						
	580000	50000	628000	ug/L			MCAWW 200.7	07/13/07	J2L5W1A4
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 17:45						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D7G110148 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	ND	2000	1880	ug/L	94		MCAWW 200.7	07/13/07	J2L5W1A1
	ND	2000	1950	ug/L	98	4.1	MCAWW 200.7	07/13/07	J2L5W1A2

Dilution Factor: 1
Analysis Time..: 17:45

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7G110148 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO3		Work Order #: J27XW1AA		MB Lot-Sample #:	D7G190000-599	
	ND	5.0	mg/L	MCAWW 310.1	07/17/07	7200599
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Bromide		Work Order #: J2TTK1AA		MB Lot-Sample #:	D7G120000-490	
	ND	0.20	mg/L	MCAWW 300.0A	07/11/07	7193490
		Dilution Factor: 1				
		Analysis Time..: 12:17				
Carbonate, as CaCO3		Work Order #: J27581AA		MB Lot-Sample #:	D7G190000-650	
	ND	5.0	mg/L	MCAWW 310.1	07/17/07	7200650
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Chloride		Work Order #: J2TR71AA		MB Lot-Sample #:	D7G120000-491	
	ND	3.0	mg/L	MCAWW 300.0A	07/11/07	7193491
		Dilution Factor: 1				
		Analysis Time..: 12:17				
Fluoride		Work Order #: J2TR61AA		MB Lot-Sample #:	D7G120000-492	
	ND	0.50	mg/L	MCAWW 300.0A	07/11/07	7193492
		Dilution Factor: 1				
		Analysis Time..: 12:17				
Nitrate		Work Order #: J2TTM1AA		MB Lot-Sample #:	D7G120000-493	
	ND	0.50	mg/L	MCAWW 300.0A	07/11/07	7193493
		Dilution Factor: 1				
		Analysis Time..: 12:17				
Nitrite		Work Order #: J2TTE1AA		MB Lot-Sample #:	D7G120000-494	
	ND	0.50	mg/L	MCAWW 300.0A	07/11/07	7193494
		Dilution Factor: 1				
		Analysis Time..: 12:17				
Specific Conductance		Work Order #: J3AV71AA		MB Lot-Sample #:	D7G200000-434	
	ND	2.0	umhos/cm	MCAWW 120.1	07/20/07	7201434
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Sulfate		Work Order #: J2TTN1AA		MB Lot-Sample #:	D7G120000-495	
	ND	5.0	mg/L	MCAWW 300.0A	07/11/07	7193495
		Dilution Factor: 1				
		Analysis Time..: 12:17				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D7G110148 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: J27WX1AA		MB Lot-Sample #: D7G190000-595		
	ND	5.0	mg/L	MCAWW 310.1	07/17/07	7200595
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Dissolved Solids		Work Order #: J29RC1AA		MB Lot-Sample #: D7G160000-091		
	ND	10	mg/L	MCAWW 160.1	07/16/07	7197091
		Dilution Factor: 1				
		Analysis Time..: 12:30				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7G110148 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		WO#:J2PKD1AA-LCS/J2PKD1AC-LCSD LCS Lot-Sample#: D7G110000-478					
	100	(97 - 102)			MCAWW 150.1	07/11/07	7192478
	100	(97 - 102)	0.0	(0-5.0)	MCAWW 150.1	07/11/07	7192478
		Dilution Factor: 1			Analysis Time..: 06:40		
Bromide		WO#:J2TTK1AC-LCS/J2TTK1AD-LCSD LCS Lot-Sample#: D7G120000-490					
	101	(90 - 110)			MCAWW 300.0A	07/11/07	7193490
	99	(90 - 110)	1.2	(0-10)	MCAWW 300.0A	07/11/07	7193490
		Dilution Factor: 1			Analysis Time..: 11:42		
Chloride		WO#:J2TR71AC-LCS/J2TR71AD-LCSD LCS Lot-Sample#: D7G120000-491					
	102	(90 - 110)			MCAWW 300.0A	07/11/07	7193491
	102	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	07/11/07	7193491
		Dilution Factor: 1			Analysis Time..: 11:42		
Fluoride		WO#:J2TR61AC-LCS/J2TR61AD-LCSD LCS Lot-Sample#: D7G120000-492					
	105	(90 - 110)			MCAWW 300.0A	07/11/07	7193492
	103	(90 - 110)	2.4	(0-10)	MCAWW 300.0A	07/11/07	7193492
		Dilution Factor: 1			Analysis Time..: 11:42		
Nitrate		WO#:J2TTM1AC-LCS/J2TTM1AD-LCSD LCS Lot-Sample#: D7G120000-493					
	101	(90 - 110)			MCAWW 300.0A	07/11/07	7193493
	101	(90 - 110)	0.23	(0-10)	MCAWW 300.0A	07/11/07	7193493
		Dilution Factor: 1			Analysis Time..: 11:42		
Nitrite		WO#:J2TTE1AC-LCS/J2TTE1AD-LCSD LCS Lot-Sample#: D7G120000-494					
	105	(90 - 110)			MCAWW 300.0A	07/11/07	7193494
	104	(90 - 110)	0.76	(0-10)	MCAWW 300.0A	07/11/07	7193494
		Dilution Factor: 1			Analysis Time..: 11:42		
Specific Conductance		WO#:J3AV71AC-LCS/J3AV71AD-LCSD LCS Lot-Sample#: D7G200000-434					
	99	(90 - 110)			MCAWW 120.1	07/20/07	7201434
	100	(90 - 110)	0.57	(0-10)	MCAWW 120.1	07/20/07	7201434
		Dilution Factor: 1			Analysis Time..: 15:00		
Sulfate		WO#:J2TTN1AC-LCS/J2TTN1AD-LCSD LCS Lot-Sample#: D7G120000-495					
	103	(90 - 110)			MCAWW 300.0A	07/11/07	7193495
	103	(90 - 110)	0.20	(0-10)	MCAWW 300.0A	07/11/07	7193495
		Dilution Factor: 1			Analysis Time..: 11:42		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D7G110148 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	WO#:J27WX1AC-LCS/J27WX1AD-LCSD LCS Lot-Sample#: D7G190000-595						
	98	(90 - 110)			MCAWW 310.1	07/17/07	7200595
	97	(90 - 110)	0.51	(0-10)	MCAWW 310.1	07/17/07	7200595
	Dilution Factor: 1				Analysis Time..: 18:00		
Total Dissolved Solids	WO#:J29RC1AC-LCS/J29RC1AD-LCSD LCS Lot-Sample#: D7G160000-091						
	95	(86 - 106)			MCAWW 160.1	07/16/07	7197091
	97	(86 - 106)	2.1	(0-20)	MCAWW 160.1	07/16/07	7197091
	Dilution Factor: 1				Analysis Time..: 12:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7G110148 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			WO#:J2PKD1AA-LCS/J2PKD1AC-LCSD			LCS Lot-Sample#: D7G110000-478		
	7.00	6.99	No Units	100		MCAWW 150.1	07/11/07	7192478
	7.00	6.99	No Units	100	0.0	MCAWW 150.1	07/11/07	7192478
			Dilution Factor: 1			Analysis Time..: 06:40		
Bromide			WO#:J2TTK1AC-LCS/J2TTK1AD-LCSD			LCS Lot-Sample#: D7G120000-490		
	5.00	5.03	mg/L	101		MCAWW 300.0A	07/11/07	7193490
	5.00	4.97	mg/L	99	1.2	MCAWW 300.0A	07/11/07	7193490
			Dilution Factor: 1			Analysis Time..: 11:42		
Chloride			WO#:J2TR71AC-LCS/J2TR71AD-LCSD			LCS Lot-Sample#: D7G120000-491		
	25.0	25.6	mg/L	102		MCAWW 300.0A	07/11/07	7193491
	25.0	25.6	mg/L	102	0.05	MCAWW 300.0A	07/11/07	7193491
			Dilution Factor: 1			Analysis Time..: 11:42		
Fluoride			WO#:J2TR61AC-LCS/J2TR61AD-LCSD			LCS Lot-Sample#: D7G120000-492		
	5.00	5.25	mg/L	105		MCAWW 300.0A	07/11/07	7193492
	5.00	5.13	mg/L	103	2.4	MCAWW 300.0A	07/11/07	7193492
			Dilution Factor: 1			Analysis Time..: 11:42		
Nitrate			WO#:J2TTM1AC-LCS/J2TTM1AD-LCSD			LCS Lot-Sample#: D7G120000-493		
	5.00	5.07	mg/L	101		MCAWW 300.0A	07/11/07	7193493
	5.00	5.06	mg/L	101	0.23	MCAWW 300.0A	07/11/07	7193493
			Dilution Factor: 1			Analysis Time..: 11:42		
Nitrite			WO#:J2TTE1AC-LCS/J2TTE1AD-LCSD			LCS Lot-Sample#: D7G120000-494		
	5.00	5.26	mg/L	105		MCAWW 300.0A	07/11/07	7193494
	5.00	5.22	mg/L	104	0.76	MCAWW 300.0A	07/11/07	7193494
			Dilution Factor: 1			Analysis Time..: 11:42		
Specific Conductance			WO#:J3AV71AC-LCS/J3AV71AD-LCSD			LCS Lot-Sample#: D7G200000-434		
	1410	1400	umhos/cm	99		MCAWW 120.1	07/20/07	7201434
	1410	1410	umhos/cm	100	0.57	MCAWW 120.1	07/20/07	7201434
			Dilution Factor: 1			Analysis Time..: 15:00		
Sulfate			WO#:J2TTN1AC-LCS/J2TTN1AD-LCSD			LCS Lot-Sample#: D7G120000-495		
	25.0	25.8	mg/L	103		MCAWW 300.0A	07/11/07	7193495
	25.0	25.8	mg/L	103	0.20	MCAWW 300.0A	07/11/07	7193495
			Dilution Factor: 1			Analysis Time..: 11:42		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D7G110148 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:J27WX1AC-LCS/J27WX1AD-LCSD				LCS Lot-Sample#: D7G190000-595		
	200	195	mg/L	98		MCAWW 310.1	07/17/07	7200595
	200	194	mg/L	97	0.51	MCAWW 310.1	07/17/07	7200595
		Dilution Factor: 1				Analysis Time..: 18:00		
Total Dissolved Solids		WO#:J29RC1AC-LCS/J29RC1AD-LCSD				LCS Lot-Sample#: D7G160000-091		
	500	474	mg/L	95		MCAWW 160.1	07/16/07	7197091
	500	484	mg/L	97	2.1	MCAWW 160.1	07/16/07	7197091
		Dilution Factor: 1				Analysis Time..: 12:30		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D7G110148 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#: J2L5W1CR-MS/J2L5W1CT-MSD				MS Lot-Sample #: D7G110148-001	
	98	(80 - 120)			MCAWW 300.0A	07/11/07	7193490
	100	(80 - 120)	1.1	(0-20)	MCAWW 300.0A	07/11/07	7193490
		Dilution Factor: 5					
		Analysis Time..: 16:21					
Chloride		WO#: J2L5W1CM-MS/J2L5W1CN-MSD				MS Lot-Sample #: D7G110148-001	
	97	(80 - 120)			MCAWW 300.0A	07/11/07	7193491
	96	(80 - 120)	0.35	(0-20)	MCAWW 300.0A	07/11/07	7193491
		Dilution Factor: 50					
		Analysis Time..: 17:13					
Fluoride		WO#: J2L5W1CK-MS/J2L5W1CL-MSD				MS Lot-Sample #: D7G110148-001	
	91	(80 - 120)			MCAWW 300.0A	07/11/07	7193492
	93	(80 - 120)	2.2	(0-20)	MCAWW 300.0A	07/11/07	7193492
		Dilution Factor: 5					
		Analysis Time..: 16:21					
Nitrate		WO#: J2L5W1CU-MS/J2L5W1CV-MSD				MS Lot-Sample #: D7G110148-001	
	101	(80 - 120)			MCAWW 300.0A	07/11/07	7193493
	102	(80 - 120)	1.5	(0-20)	MCAWW 300.0A	07/11/07	7193493
		Dilution Factor: 5					
		Analysis Time..: 16:21					
Nitrite		WO#: J2L5W1CP-MS/J2L5W1CQ-MSD				MS Lot-Sample #: D7G110148-001	
	119	(80 - 120)			MCAWW 300.0A	07/11/07	7193494
	120	(80 - 120)	1.4	(0-20)	MCAWW 300.0A	07/11/07	7193494
		Dilution Factor: 5					
		Analysis Time..: 16:21					
Sulfate		WO#: J2L5W1CW-MS/J2L5W1CX-MSD				MS Lot-Sample #: D7G110148-001	
	99	(80 - 120)			MCAWW 300.0A	07/11/07	7193495
	100	(80 - 120)	1.1	(0-20)	MCAWW 300.0A	07/11/07	7193495
		Dilution Factor: 5					
		Analysis Time..: 16:21					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D7G110148 **Matrix.....:** WATER
Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: J2L5W1CR-MS/J2L5W1CT-MSD				MS Lot-Sample #: D7G110148-001		
	9.9	25.0	34.5	mg/L	98		MCAWW 300.0A	07/11/07	7193490
	9.9	25.0	34.8	mg/L	100	1.1	MCAWW 300.0A	07/11/07	7193490
			Dilution Factor: 5						
			Analysis Time..: 16:21						
Chloride			WO#: J2L5W1CM-MS/J2L5W1CN-MSD				MS Lot-Sample #: D7G110148-001		
	1900	1250	3160	mg/L	97		MCAWW 300.0A	07/11/07	7193491
	1900	1250	3150	mg/L	96	0.35	MCAWW 300.0A	07/11/07	7193491
			Dilution Factor: 50						
			Analysis Time..: 17:13						
Fluoride			WO#: J2L5W1CK-MS/J2L5W1CL-MSD				MS Lot-Sample #: D7G110148-001		
	ND	25.0	22.7	mg/L	91		MCAWW 300.0A	07/11/07	7193492
	ND	25.0	23.2	mg/L	93	2.2	MCAWW 300.0A	07/11/07	7193492
			Dilution Factor: 5						
			Analysis Time..: 16:21						
Nitrate			WO#: J2L5W1CU-MS/J2L5W1CV-MSD				MS Lot-Sample #: D7G110148-001		
	ND	25.0	27.0	mg/L	101		MCAWW 300.0A	07/11/07	7193493
	ND	25.0	27.5	mg/L	102	1.5	MCAWW 300.0A	07/11/07	7193493
			Dilution Factor: 5						
			Analysis Time..: 16:21						
Nitrite			WO#: J2L5W1CP-MS/J2L5W1CQ-MSD				MS Lot-Sample #: D7G110148-001		
	ND	25.0	29.6	mg/L	119		MCAWW 300.0A	07/11/07	7193494
	ND	25.0	30.1	mg/L	120	1.4	MCAWW 300.0A	07/11/07	7193494
			Dilution Factor: 5						
			Analysis Time..: 16:21						
Sulfate			WO#: J2L5W1CW-MS/J2L5W1CX-MSD				MS Lot-Sample #: D7G110148-001		
	47	125	171	mg/L	99		MCAWW 300.0A	07/11/07	7193495
	47	125	172	mg/L	100	1.1	MCAWW 300.0A	07/11/07	7193495
			Dilution Factor: 5						
			Analysis Time..: 16:21						

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7G110148 **Work Order #...:** J2L23-SMP J2L23-DUP **Matrix.....:** WATER

Date Sampled...: 07/10/07 15:45 **Date Received..:** 07/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: D7G110142-001		
	8.0	8.0	No Units	0.0	(0-5.0)	MCAWW 150.1	07/11/07	7192478

Dilution Factor: 1 Analysis Time..: 12:42

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7G110148 **Work Order #...:** J2MGW-SMP J2MGW-DUP **Matrix.....:** WATER

Date Sampled...: 07/10/07 11:10 **Date Received..:** 07/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7G110182-003		
	2200	2200	mg/L	0.45	(0-20)	MCAWW 160.1	07/16/07	7197091

Dilution Factor: 1 Analysis Time..: 12:30

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7G110148 **Work Order #...:** J2L5W-SMP J2L5W-DUP **Matrix.....:** WATER

Date Sampled...: 07/10/07 11:55 **Date Received..:** 07/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #: D7G110148-001		
	280	270	mg/L	1.5	(0-10)	MCAWW 310.1	07/17/07	7200595

Dilution Factor: 1 Analysis Time..: 18:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7G110148 **Work Order #...:** J2KKD-SMP J2KKD-DUP **Matrix.....:** WATER

Date Sampled...: 07/06/07 08:25 **Date Received..:** 07/10/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D7G100203-001		
	1100	1100	umhos/cm	0.54	(0-10)	MCAWW 120.1	07/20/07	7201434

Dilution Factor: 1 Analysis Time..: 15:00

Chain of Custody Record

2.4°C AS 7/11/07 IR2

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
COGCC	John Axelson	7/10/07	343394
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
9203 E. 155th Dr	303-637-7178 / 303-637-7179		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Brighton / CO / 80602	J. Axelson	Pat McEntee	
Project Name and Location (State)	**Carrier/Waybill Number**		
Nelson Water Well Complaint	NA		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: BTEX	Methane	Dis. Metals	Anions	Alkaline Group	TDS	Conductivity	pH	Special Instructions/ Conditions of Receipt
Nelson WW	7/10/07	11:55		X			5			3			X	X	X	X	X	X	X	X	see list below

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 Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7/11/07	0925	1. Received By	7/11/07	0925
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
Ca, Na, Mg, K, Fe, Mn, Cl, SO4, Br, F, Se, NO_2, NO_3, CO_3, HCO_3

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