

WORK ORDER Summary**Evergreen Analytical, Inc.****08-2245**

Rpt To: Jerry Alberts
 Antero Resources
 1625 17th Street Suite 300
 Denver, CO 80202
 (303) 357-7341

Fax To: JoDell Mizoue **FX:** (720) 529-9798
Email To: jalberts@anteroresources.com
Email To: jnmizoue@ogenvironmental.com

4/4/08 1:29:58 PM

Client Project ID:**QC Level:** LEVEL I**Comments:** No hard-copy reports per Jerry Alberts. 12/14/07 PM

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
08-2245-01A	FB 33008	Water	3/30/08 1300	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/13/08
08-2245-01B	FB 33008	Water	3/30/08 1300	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/27/08
pH~7										
08-2245-02A	PT 33008	Water	3/30/08 1302	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/13/08
08-2245-02B	PT 33008	Water	3/30/08 1302	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/27/08
pH~7										
08-2245-03A	Pond 33008	Water	3/30/08 1304	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/13/08
08-2245-03B	Pond 33008	Water	3/30/08 1304	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/27/08
pH~7										
08-2245-04A	FB 33018	Water	3/31/08 1555	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/14/08
08-2245-04B	FB 33018	Water	3/31/08 1555	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/28/08
pH~7										
08-2245-05A	PT 33018	Water	3/31/08 1600	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/14/08
08-2245-05B	PT 33018	Water	3/31/08 1600	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/28/08
pH~7										
08-2245-06A	Pond 33018	Water	3/31/08 1550	4/04/08	8260_W *	8260B: VOA HSL+	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/14/08
08-2245-06B	Pond 33018	Water	3/31/08 1550	4/04/08	418.1_W	418.1: Total Recoverable Petroleum Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>	4/18/08	4/28/08
pH~7										

Definitions: * - Test Code has a Select List

Evergreen Analytical Laboratory Inc.

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@evergreenanalytical.com

Report Results by: _____ (Date)*

Standard 2 working weeks ☒

UST Analyses per Fee Schedule ☐

* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%

*Subject to surcharge & exceptions noted in fee schedule.

REPORT CHROMATOGRAMS ☐ YES

Mail Invoice to:

Attn _____

Address

City _____ State _____ Zip _____

Tel # _____ Fax # _____

Project ID#

P.O. _____ Quote _____



Sampler NFL

NOTE: Identify Known Hazards Below

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME
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[illegible]

**** Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (Signature) 	Date/Time 4-4-2008	Received by: (Signature) 	Date/Time 4/4/8 1203	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
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Evergreen Analytical, Inc.

Date: 19-Apr-08

Client Project ID:

Lab Order: 08-2245

CASE NARRATIVE

SAMPLE RECEIVING

Sample(s) were hand delivered to the laboratory by the client.

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 17.7 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

VOC sample(s) were marked as preserved on the bottle labels.

Client sample "FB 33108" was received with headspace present. NJO

QUALITY ASSURANCE (QA)

Analyses performed on samples in this work order by EAL meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

CLIENT SERVICES

The client gave permission for sample 08-2245-04 to be analyzed regardless of headspace. There are no other anomalies to report. EKH

OIL AND GREASE/TRPH ANALYSIS

Method 418.1_W: There are no anomalies to report. RPM

GAS CHROMATOGRAPHY/MASS SPECTROMETRY

Method 8260_W : The LCS recovery for 2-Chlorooctylvinylether was above QC limits. This analyte was not found in the samples and since the bias was high, no further action was required.

The matrix spikes on 08-2245-06 showed some recoveries outside of QC limits due to the high analyte content of the sample and the high dilution required for analysis. There are no other anomalies to report. SWT/CMS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: FB 33008
Client Project ID:
Date Collected: 3/30/08
Date Received: 4/4/08
Date Prepared: 4/9/08
Date Analyzed: 4/10/08
Percent Moisture NA

Lab Work Order 08-2245
Lab Sample ID: 08-2245-01A
Sample Matrix: Water
Lab File ID: VOA20409\4501045.D
Method Blank: MB2040908-2
Prep Factor: 1.000
Dilution Factor: 100.00

Method: SW8260B
Prep Method: SW5030B

VOLATILE ORGANICS

Analytes	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	1000	1000
Benzene	71-43-2	3100	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	420	200



Analyst



Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Prep or Analytical holding time exceeded
S - Spike Recovery outside acceptance limits
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: FB 33008

Client Project ID:

Date Collected: 3/30/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-01A

Sample Matrix: Water

Lab File ID: VOA20409\4501045.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	710	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	8800	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	6300	400
TVH-Gasoline	86290-81-5	44000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	101	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	96	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	104	QC Limits: 70-130 %REC

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Surr - Surrogate Standard

Print Date: 4/11/08

Quantitation Report

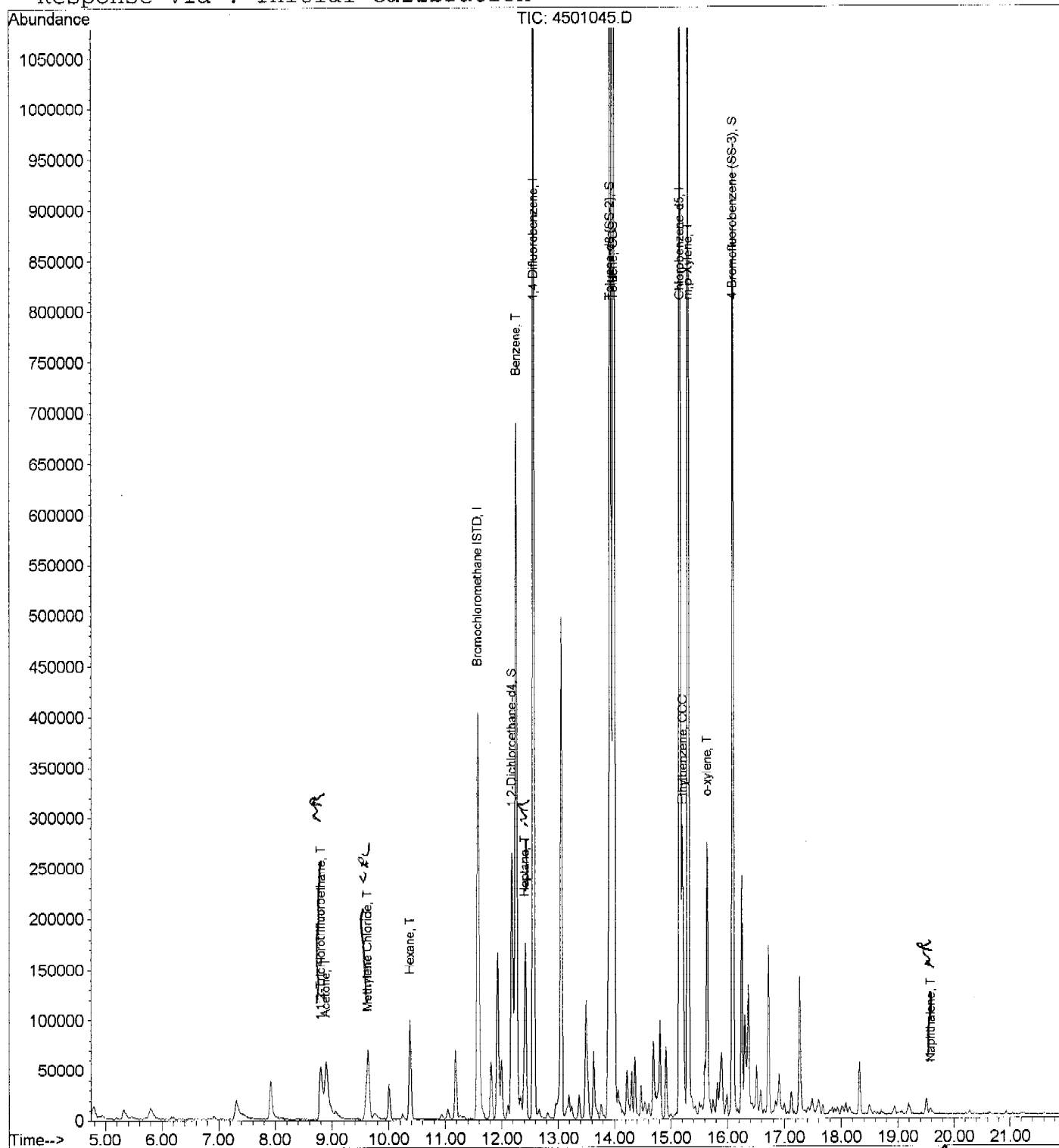
900

Data File : C:\HPCHEM\1\DATA\VOA20409\4501045.D
 Acq On : 10 Apr 2008 5:56 am
 Sample : 08-2245-01A DF=100
 Misc : SAMP 8260_W
 MS Integration Params: rteint.p
 Quant Time: Apr 11 14:09 19108

Vial: 45
 Operator: S. Tyson
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
 Title : 8260 VOA2
 Last Update : Fri Dec 28 07:45:08 2007
 Response via : Initial Calibration



Handwritten: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: PT 33008

Client Project ID:

Date Collected: 3/30/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-02A

Sample Matrix: Water

Lab File ID: VOA20409\4401044.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analtes	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	1300	1000
Benzene	71-43-2	3600	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	360	200


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MDL - Method Detection Limit

Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: PT 33008

Client Project ID:

Date Collected: 3/30/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-02A

Sample Matrix: Water

Lab File ID: VOA20409\4401044.D

Method Blank: MB2040908-2

Prep Factor: 1.000


Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	290 J	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	8100	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	5800	400
TVH-Gasoline	86290-81-5	38000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	104	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	97	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	106	QC Limits: 70-130 %REC


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X - See case narrative

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Definitions: NA - Not Applicable

LQL - Lower Quantitation Limit

MDL - Method Detection Limit

Surr - Surrogate Standard

Print Date: 4/11/08

Quantitation Report

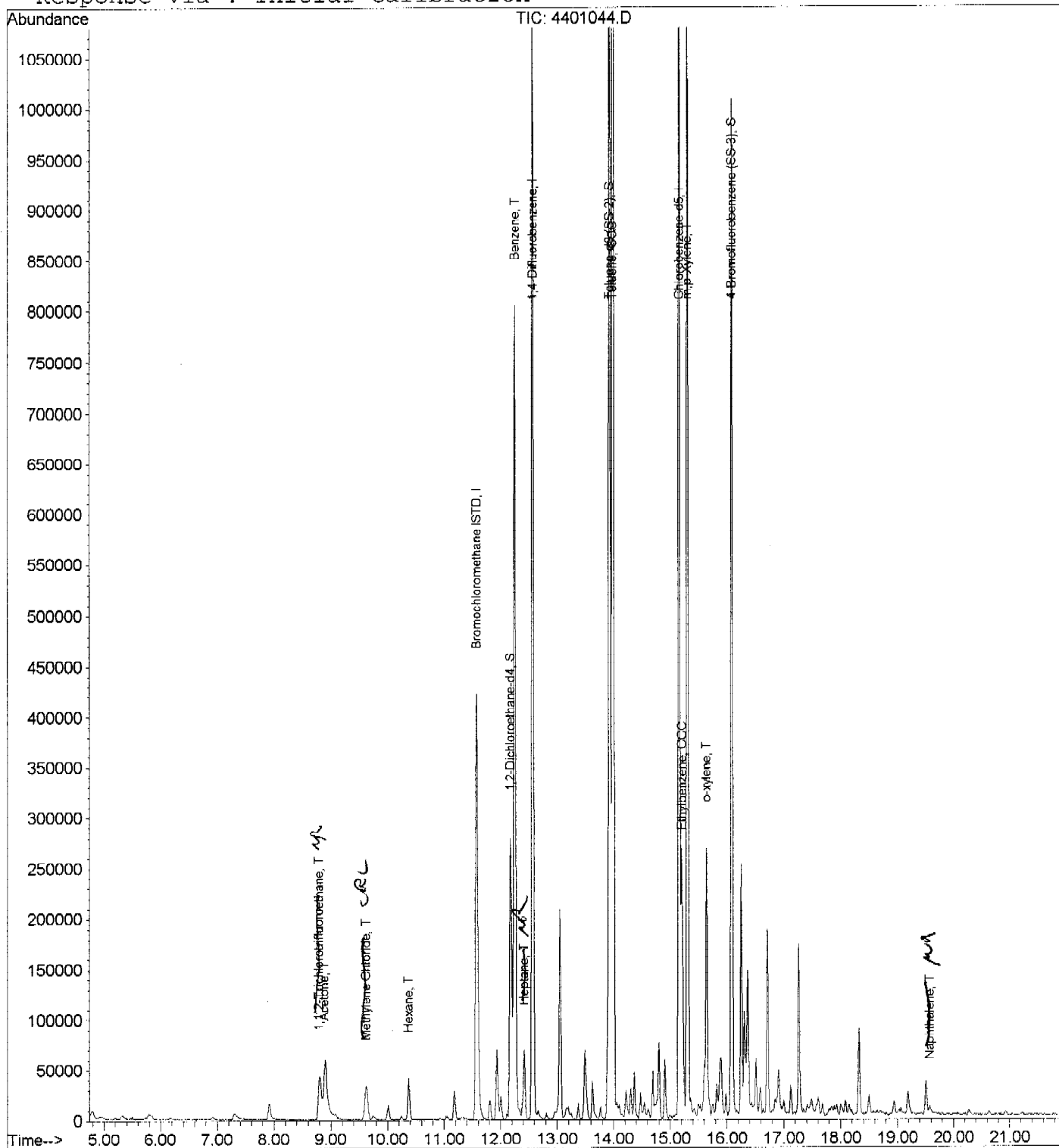
600

Data File : C:\HPCHEM\1\DATA\VOA20409\4401044.D
 Acq On : 10 Apr 2008 5:26 am
 Sample : 08-2245-02A DF=100
 Misc : SAMP 8260_W
 MS Integration Params: rteint.p
 Quant Time: Apr 11 14:03 19108

Vial: 44
 Operator: S. Tyson
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
 Title : 8260 VOA2
 Last Update : Fri Dec 28 07:45:08 2007
 Response via : Initial Calibration



Handwritten signature/initials
 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pond 33008

Client Project ID:

Date Collected: 3/30/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-03A

Sample Matrix: Water

Lab File ID: VOA20409\4301043.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	840 J	1000
Benzene	71-43-2	3000	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	350	200



Analyst



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Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pond 33008

Client Project ID:

Date Collected: 3/30/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-03A

Sample Matrix: Water

Lab File ID: VOA20409\4301043.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	670	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	7100	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	5200	400
TVH-Gasoline	86290-81-5	42000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	101	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	95	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	105	QC Limits: 70-130 %REC


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Print Date: 4/11/08

Quantitation Report

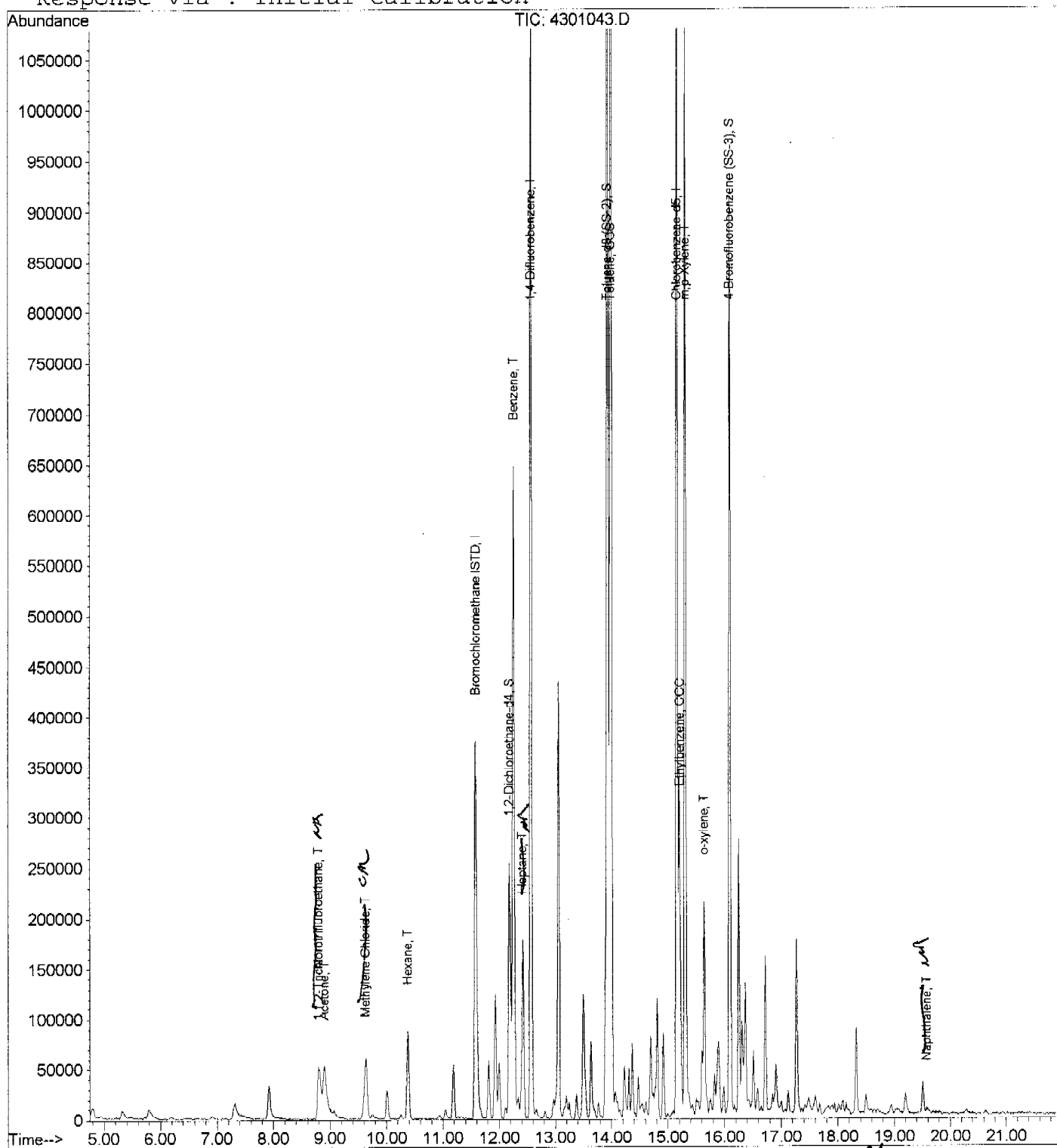
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Data File : C:\HPCHEM\1\DATA\VOA20409\4301043.D
 Acq On : 10 Apr 2008 4:56 am
 Sample : 08-2245-03A DF=100
 Misc : SAMP 8260_W
 MS Integration Params: rteint.p
 Quant Time: Apr 11 14:01 19108

Vial: 43
 Operator: S. Tyson
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
 Title : 8260 VOA2
 Last Update : Fri Dec 28 07:45:08 2007
 Response via : Initial Calibration



Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: FB 33018

Client Project ID:

Date Collected: 3/31/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-04A

Sample Matrix: Water

Lab File ID: VOA20409\4201042.D

Method Blank: MB2040908-2

Prep Factor: 1.000

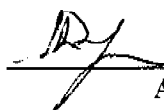
Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analyses	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	1300	1000
Benzene	71-43-2	5700	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	510	200



Analyst



Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result

E - Extrapolated value. Value exceeds calibration range

H - Prep or Analytical holding time exceeded

S - Spike Recovery outside acceptance limits

X - See case narrative

* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable

LQL - Lower Quantitation Limit

MDL - Method Detection Limit

Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: FB 33018

Client Project ID:

Date Collected: 3/31/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-04A

Sample Matrix: Water

Lab File ID: VOA20409\4201042.D

Method Blank: MB2040908-2

Prep Factor: 1.000

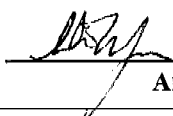
Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	540	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	12000	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	7100	400
TVH-Gasoline	86290-81-5	45000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	101	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	94	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	104	QC Limits: 70-130 %REC



Analyst



Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result

E - Extrapolated value. Value exceeds calibration range

H - Prep or Analytical holding time exceeded

S - Spike Recovery outside acceptance limits

X - See case narrative

* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable

LQL - Lower Quantitation Limit

MDL - Method Detection Limit

Surr - Surrogate Standard

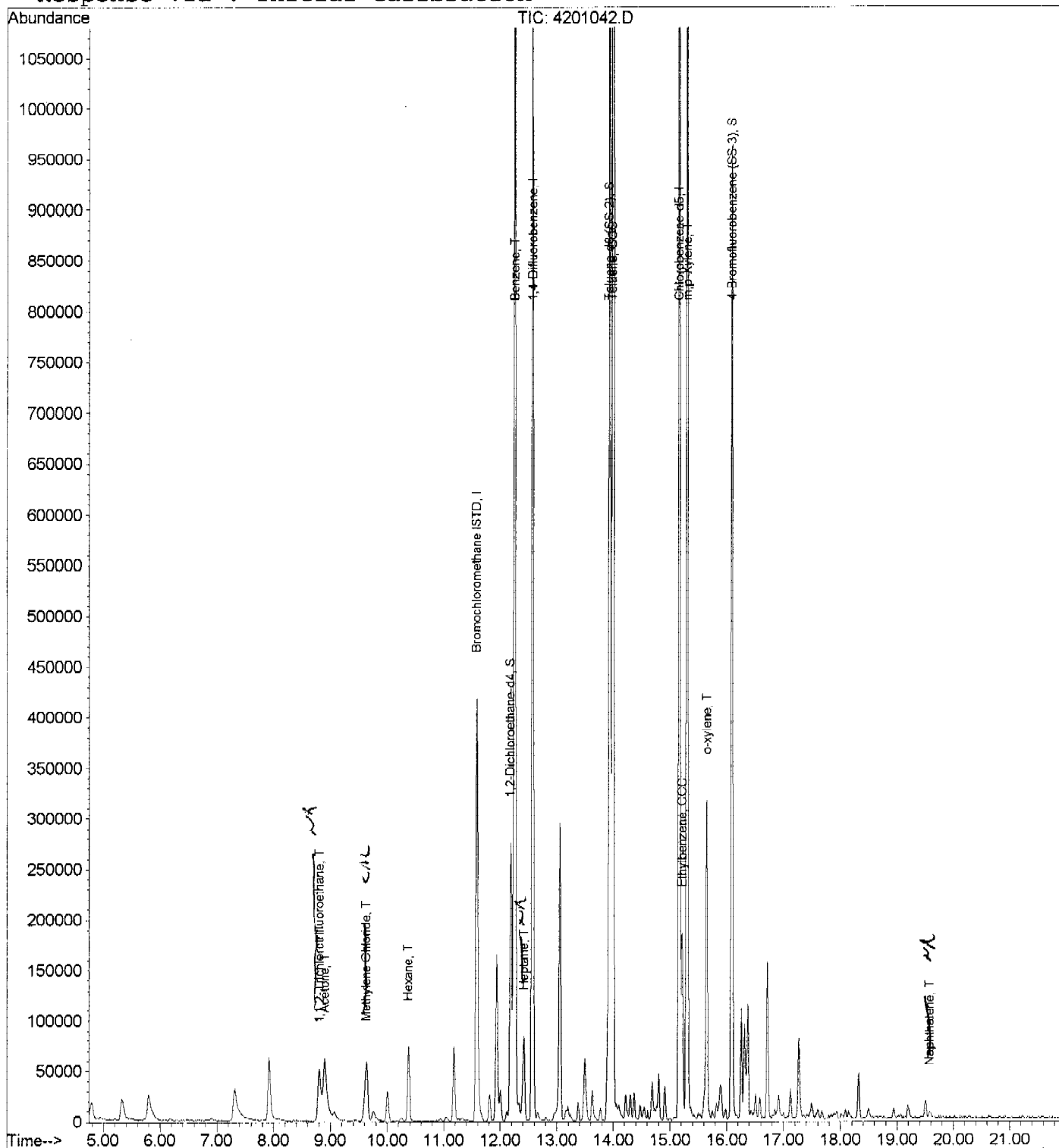
Print Date: 4/11/08

Data File : C:\HPCHEM\1\DATA\VOA20409\4201042.D
Acq On : 10 Apr 2008 4:26 am
Sample : 08-2245-04A DF=100
Misc : SAMP 8260_W
MS Integration Params: rteint.p
Quant Time: Apr 11 13:44 19108

Vial: 42
Operator: S. Tyson
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
Title : 8260 VOA2
Last Update : Fri Dec 28 07:45:08 2007
Response via : Initial Calibration



Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: PT 33018
Client Project ID:
Date Collected: 3/31/08
Date Received: 4/4/08
Date Prepared: 4/9/08
Date Analyzed: 4/10/08
Percent Moisture NA

Lab Work Order 08-2245
Lab Sample ID: 08-2245-05A
Sample Matrix: Water
Lab File ID: VOA20409\4101041.D
Method Blank: MB2040908-2
Prep Factor: 1.000
Dilution Factor: 100.00

Method: SW8260B
Prep Method: SW5030B

VOLATILE ORGANICS

Analtes	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	1300	1000
Benzene	71-43-2	5400	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	450	200



Analyst



Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Prep or Analytical holding time exceeded
S - Spike Recovery outside acceptance limits
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: PT 33018

Client Project ID:

Date Collected: 3/31/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-05A

Sample Matrix: Water

Lab File ID: VOA20409\4101041.D

Method Blank: MB2040908-2

Prep Factor: 1.000

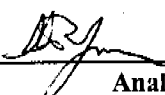
Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	240 J	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	11000	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	6600	400
TVH-Gasoline	86290-81-5	38000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	99	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	95	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	105	QC Limits: 70-130 %REC


Analyst


Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Prep or Analytical holding time exceeded
S - Spike Recovery outside acceptance limits
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 4/11/08

Quantitation Report

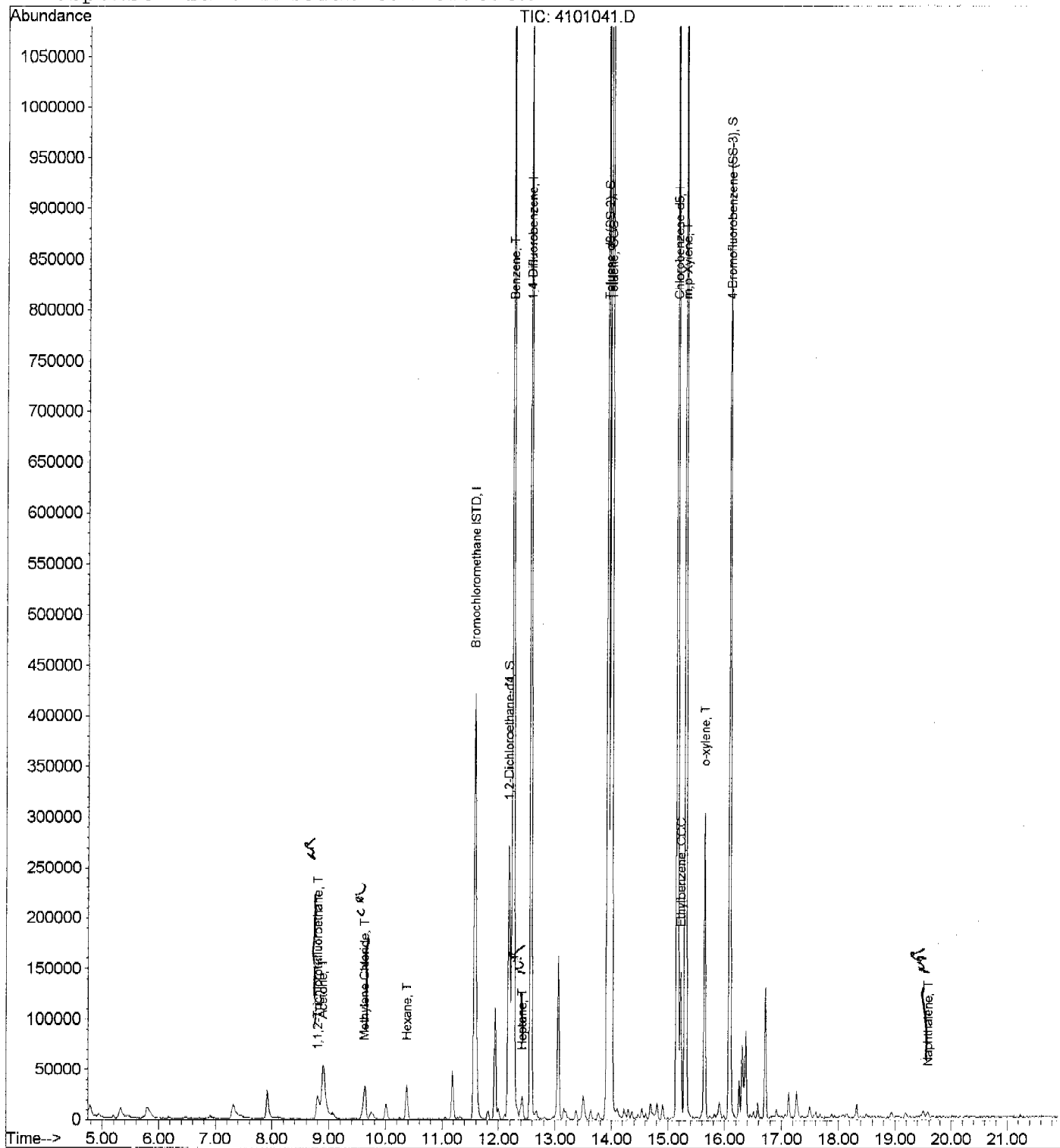
010

Data File : C:\HPCHEM\1\DATA\VOA20409\4101041.D
 Acq On : 10 Apr 2008 3:55 am
 Sample : 08-2245-05A DF=100
 Misc : SAMP 8260_W
 MS Integration Params: rteint.p
 Quant Time: Apr 11 13:27 19108

Vial: 41
 Operator: S. Tyson
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
 Title : 8260 VOA2
 Last Update : Fri Dec 28 07:45:08 2007
 Response via : Initial Calibration



Handwritten signature/initials
 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pond 33018

Client Project ID:

Date Collected: 3/31/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-06A

Sample Matrix: Water

Lab File ID: VOA20409\3601036.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Acetone	67-64-1	770 J	1000
Benzene	71-43-2	2900	100
Bromodichloromethane	75-27-4	U	200
Bromoform	75-25-2	U	400
Bromomethane	74-83-9	U	400
2-Butanone	78-93-3	U	500
Carbon disulfide	75-15-0	U	200
Carbon tetrachloride	56-23-5	U	200
Chlorobenzene	108-90-7	U	200
Chloroethane	75-00-3	U	400
2-Chloroethylvinylether	110-75-8	U	400
Chloroform	67-66-3	U	200
Chloromethane	74-87-3	U	400
Dibromochloromethane	124-48-1	U	200
1,2-Dichlorobenzene	95-50-1	U	200
1,3-Dichlorobenzene	541-73-1	U	200
1,4-Dichlorobenzene	106-46-7	U	200
1,1-Dichloroethane	75-34-3	U	200
1,2-Dichloroethane	107-06-2	U	200
1,1-Dichloroethene	75-35-4	U	200
cis-1,2-Dichloroethene	156-59-2	U	200
trans-1,2-Dichloroethene	156-60-5	U	200
1,2-Dichloropropane	78-87-5	U	200
cis-1,3-Dichloropropene	10061-01-5	U	200
trans-1,3-Dichloropropene	10061-02-6	U	200
Ethylbenzene	100-41-4	330	200



Analyst



Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result

E - Extrapolated value. Value exceeds calibration range

II - Prep or Analytical holding time exceeded

S - Spike Recovery outside acceptance limits

X - See case narrative

* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable

LQL - Lower Quantitation Limit

MDL - Method Detection Limit

Surr - Surrogate Standard

Print Date: 4/11/08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Pond 33018

Client Project ID:

Date Collected: 3/31/08

Date Received: 4/4/08

Date Prepared: 4/9/08

Date Analyzed: 4/10/08

Percent Moisture NA

Lab Work Order 08-2245

Lab Sample ID: 08-2245-06A

Sample Matrix: Water

Lab File ID: VOA20409\3601036.D

Method Blank: MB2040908-2

Prep Factor: 1.000

Dilution Factor: 100.00

Method: SW8260B

VOLATILE ORGANICS

Prep Method: SW5030B

Analytes	CAS Number	Result	Units: µg/L LQL
Hexane	110-54-3	370 J	400
2-Hexanone	591-78-6	U	200
Methylene chloride	75-09-2	U	500
4-Methyl-2-pentanone	108-10-1	U	200
Styrene	100-42-5	U	400
1,1,2,2-Tetrachloroethane	79-34-5	U	200
Tetrachloroethene	127-18-4	U	200
Toluene	108-88-3	7000	200
1,1,1-Trichloroethane	71-55-6	U	200
1,1,2-Trichloroethane	79-00-5	U	200
Trichloroethene	79-01-6	U	200
Vinyl acetate	108-05-4	U	400
Vinyl chloride	75-01-4	U	200
Xylene, Total	1330-20-7	5000	400
TVH-Gasoline	86290-81-5	33000	20000
Surr: 1,2-Dichloroethane-d4	17060-07-0	103	QC Limits: 70-130 %REC
Surr: 4-Bromofluorobenzene	460-00-4	99	QC Limits: 70-130 %REC
Surr: Toluene-d8	2037-26-5	104	QC Limits: 70-130 %REC


Analyst


Approved

Qualifiers: See the case narrative for a discussion

B - Analyte detected in the Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Prep or Analytical holding time exceeded
S - Spike Recovery outside acceptance limits
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Qualifiers: U - Analyte not detected at or above the reporting limit

J - Estimated value below the LQL

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
MDL - Method Detection Limit
Surr - Surrogate Standard

Print Date: 4/11/08

Quantitation Report

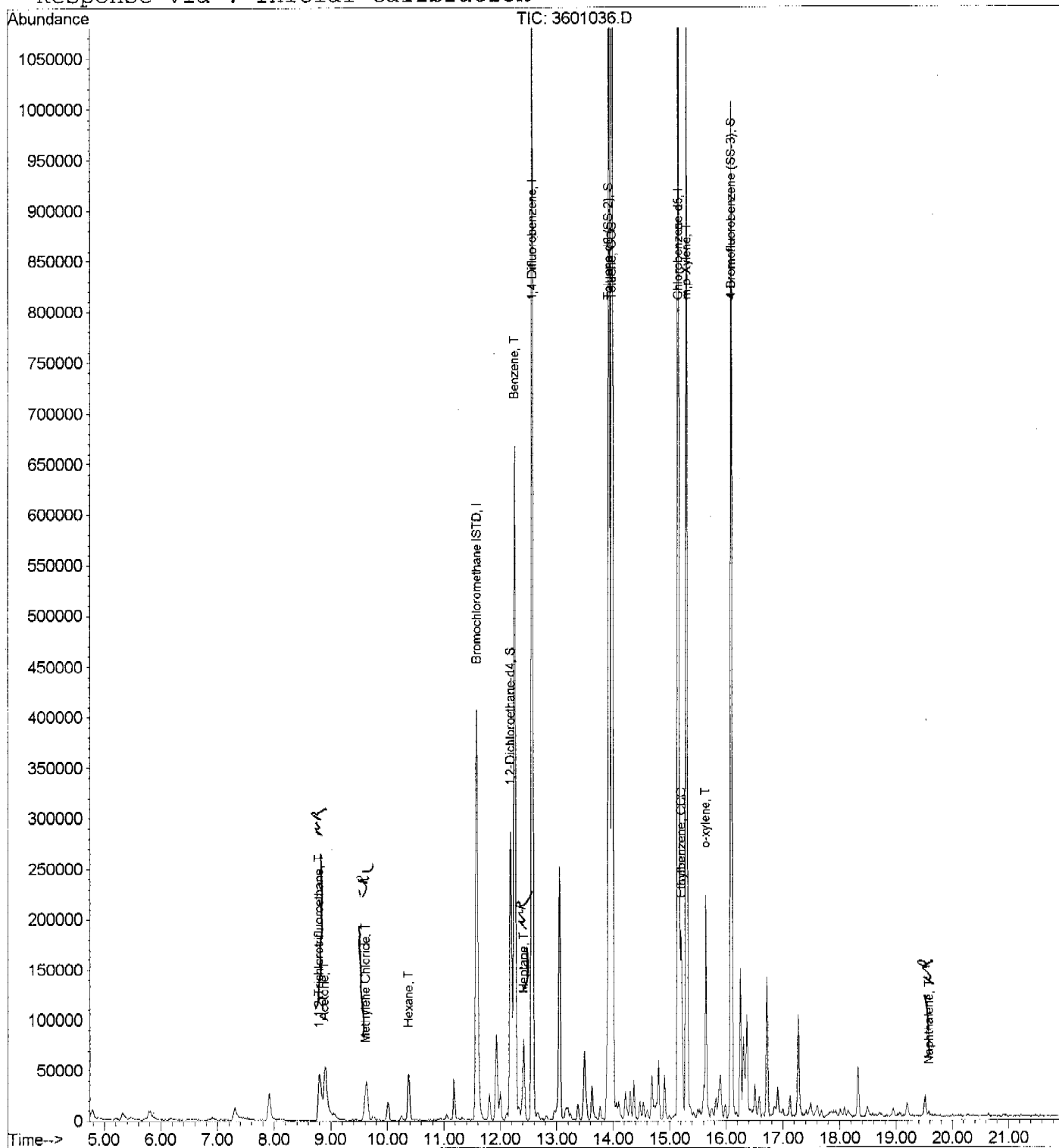
021

Data File : C:\HPCHEM\1\DATA\VOA20409\3601036.D
 Acq On : 10 Apr 2008 1:25 am
 Sample : 08-2245-06A DF=100
 Misc : SAMP 8260_W
 MS Integration Params: rteint.p
 Quant Time: Apr 11 10:53 19108

Vial: 36
 Operator: S. Tyson
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: 82601227.RE

Method : C:\HPCHEM\1\METHODS\82601227.M (RTE Integrator)
 Title : 8260 VOA2
 Last Update : Fri Dec 28 07:45:08 2007
 Response via : Initial Calibration



Handwritten signature/initials

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Project ID
Date Received: 4/4/08

Lab Order: 08-2245
Date Prepared: 4/11/08
Units: mg/L

Total Recoverable Petroleum Hydrocarbons TRPH

Method: E418.1

Prep Method:

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
08-2245-01B	FB 33008	Water	3/30/08	4/11/08	250	5.0	50
08-2245-02B	PT 33008	Water	3/30/08	4/11/08	428	10	100
08-2245-03B	Pond 33008	Water	3/30/08	4/11/08	108	5.0	50
08-2245-04B	FB 33018	Water	3/31/08	4/11/08	766	20	200
08-2245-05B	PT 33018	Water	3/31/08	4/11/08	993	50	500
08-2245-06B	Pond 33018	Water	3/31/08	4/11/08	107	2.5	25



Analyst



Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor
PF - Prep Factor
LQL - Lower Quantitation Limit

Print Date: 4/11/2008

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB, MEB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

***Only included if requested or if performed on this client's samples.**

Evergreen Analytical, Inc.

Date: 15-Apr-08

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R38332

Sample ID: LCS2040908T-2	SampType: LCS1	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\3001030.D	Analysis Date: 4/9/08	SeqNo: 674822						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.08	1.0	25.5	0	102	70	130	0	0		
Ethylbenzene	40.44	2.0	36.8	0	110	70	130	0	0		
Toluene	183.3	2.0	160.4	0	114	70	140	0	0		
TVH-Gasoline	1758	200	2200	0	79.9	70	130	0	0		
Xylene, Total	213.3	4.0	211.6	0	101	55	134	0	0		
Surr: 1,2-Dichloroethane-d4	49.87	0	50	0	99.7	70	130	0	0		
Surr: 4-Bromofluorobenzene	49.23	0	50	0	98.5	70	130	0	0		
Surr: Toluene-d8	54.37	0	50	0	109	70	130	0	0		

Sample ID: MB2040908-2	SampType: MBLK	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\2901029.D	Analysis Date: 4/9/08	SeqNo: 674820						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	U	10									
Benzene	U	1.0									
Bromodichloromethane	U	2.0									
Bromoform	U	4.0									
Bromomethane	U	4.0									
2-Butanone	U	5.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chloroethane	U	4.0									
2-Chloroethylvinylether	U	4.0									
Chloroform	U	2.0									
Chloromethane	U	4.0									
Dibromochloromethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									

Qualifiers:

U - Not detected at or above the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside acceptance limits
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits
 B - Analyte detected in the associated Method Blank
 H - Prep or analytical holding time exceeded
 X - See case narrative

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R38332

Sample ID: MB2040908-2		SampType: MBLK		TestCode: 8260_W		Run ID: VOA-2_080409B		Prep Date: 4/9/08		Units: µg/L	
		Batch ID: R38332		TestNo: SW8260B		FileID: VOA20409\2901029.D		Analysis Date: 4/9/08		SeqNo: 674820	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	U	2.0									
1,1-Dichloroethane	U	2.0									
1,2-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
1,2-Dichloropropane	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Ethylbenzene	U	2.0									
Hexane	U	4.0									
2-Hexanone	U	2.0									
Methylene chloride	U	5.0									
4-Methyl-2-pentanone	U	2.0									
Styrene	U	4.0									
1,1,2,2-Tetrachloroethane	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
Trichloroethene	U	2.0									
Vinyl acetate	U	4.0									
Vinyl chloride	U	2.0									
TVH-Gasoline	U	200									
Xylene, Total	U	4.0									
Sum: 1,2-Dichloroethane-d4	48.9	0	50	0	97.8	70	130	0	0		
Sum: 4-Bromofluorobenzene	47.77	0	50	0	95.5	70	130	0	0		
Sum: Toluene-d8	51.51	0	50	0	103	70	130	0	0		

Qualifiers: U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R38332

Sample ID: LCS2040908H-2		SampType: LCS		TestCode: 8260_W		Run ID: VOA-2_080409B		Prep Date: 4/9/08		Units: µg/L	
Batch ID: R38332		TestNo: SW8260B		FileID: VOA20409\3101031.D		Analysis Date: 4/9/08		SeqNo: 674823			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	25	10	50	0	50	49	130	0	0		
Benzene	49.3	1.0	50	0	98.6	70	130	0	0		
Bromodichloromethane	40.78	2.0	50	0	81.6	70	130	0	0		
Bromoform	37.73	4.0	50	0	75.5	48	138	0	0		
Bromomethane	62.94	4.0	50	0	126	38	170	0	0		
2-Butanone	27.69	5.0	50	0	55.4	37	130	0	0		
Carbon disulfide	49.76	2.0	50	0	99.5	55	130	0	0		
Carbon tetrachloride	45.05	2.0	50	0	90.1	70	130	0	0		
Chlorobenzene	47.12	2.0	50	0	94.2	70	130	0	0		
Chloroethane	60.52	4.0	50	0	121	70	130	0	0		
2-Chloroethylvinylether	114.9	4.0	50	0	230	24	185	0	0		S
Chloroform	49.92	2.0	50	0	99.8	70	130	0	0		
Chloromethane	62.34	4.0	50	0	125	46	138	0	0		
Dibromochloromethane	41.75	2.0	50	0	83.5	64	132	0	0		
1,2-Dichlorobenzene	41.93	2.0	50	0	83.9	53	146	0	0		
1,3-Dichlorobenzene	45.38	2.0	50	0	90.8	52	148	0	0		
1,4-Dichlorobenzene	42.52	2.0	50	0	85	57	136	0	0		
1,1-Dichloroethane	53.53	2.0	50	0	107	70	130	0	0		
1,2-Dichloroethane	36.94	2.0	50	0	73.9	70	130	0	0		
1,1-Dichloroethene	62.06	2.0	50	0	124	70	130	0	0		
cis-1,2-Dichloroethene	53.65	2.0	50	0	107	70	130	0	0		
trans-1,2-Dichloroethene	56.64	2.0	50	0	113	70	130	0	0		
1,2-Dichloropropane	45.17	2.0	50	0	90.3	70	130	0	0		
cis-1,3-Dichloropropene	42.51	2.0	50	0	85	67	130	0	0		
trans-1,3-Dichloropropene	37.93	2.0	50	0	75.9	66	130	0	0		
Ethylbenzene	49.86	2.0	50	0	99.7	70	130	0	0		
2-Hexanone	34.03	2.0	50	0	68.1	39	135	0	0		
Methylene chloride	53.98	5.0	50	0	108	70	130	0	0		
4-Methyl-2-pentanone	36.64	2.0	50	0	73.3	61	130	0	0		
Styrene	45.98	4.0	50	0	92	38	130	0	0		
1,1,2,2-Tetrachloroethane	36.14	2.0	50	0	72.3	70	130	0	0		

Qualifiers: U - Not detected at or above the Reporting Limit
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 E - Extrapolated value, value exceeds calibration range.

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 H - Prep or analytical holding time exceeded
 X - See case narrative

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R38332

Sample ID: LCS2040908H-2		SampType: LCS		TestCode: 8260_W		Run ID: VOA-2_080409B		Prep Date: 4/9/08		Units: µg/L	
Batch ID: R38332		TestNo: SW8260B		FileID: VOA2040913101031.D		Analysis Date: 4/9/08		SeqNo: 674823			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	49.45	2.0	50	0	98.9	66	134	0	0		
Toluene	51.83	2.0	50	0	104	70	140	0	0		
1,1,1-Trichloroethane	45.57	2.0	50	0	91.1	70	130	0	0		
1,1,2-Trichloroethane	42.45	2.0	50	0	84.9	69	130	0	0		
Trichloroethene	48.49	2.0	50	0	97	70	130	0	0		
Vinyl acetate	43.37	4.0	50	0	86.7	50	130	0	0		
Vinyl chloride	64.18	2.0	50	0	128	58	135	0	0		
Xylene, Total	93.94	4.0	100	0	93.9	55	134	0	0		
Surr: 1,2-Dichloroethane-d4	50.18	0	50	0	100	70	130	0	0		
Surr: 4-Bromofluorobenzene	49.85	0	50	0	99.7	70	130	0	0		
Surr: Toluene-d8	53.65	0	50	0	107	70	130	0	0		

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Evergreen Analytical, Inc.

Date: 11-Apr-08

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 08-2245-06AMS	SampType: MS1	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\3701037.D	Analysis Date: 4/10/08	SeqNo: 675399						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4905	100	2550	2943	76.9	70	130	0	0		
Ethylbenzene	2794	200	3680	334	66.8	70	130	0	0		S
Toluene	19670	200	16040	7031	78.8	70	130	0	0		
TVH-Gasoline	151600	20000	220000	32580	54.1	70	130	0	0		S
Xylene, Total	18060	400	21160	4994	61.7	70	130	0	0		S
Surr: 1,2-Dichloroethane-d4	5111	0	5000	0	102	70	130	0	0		
Surr: 4-Bromofluorobenzene	4847	0	5000	0	96.9	70	130	0	0		
Surr: Toluene-d8	5185	0	5000	0	104	70	130	0	0		

Sample ID: 08-2245-06AMSD	SampType: MSD1	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\3801038.D	Analysis Date: 4/10/08	SeqNo: 675400						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	5203	100	2550	2943	88.6	70	130	4905	5.90	30	
Ethylbenzene	3106	200	3680	334	75.3	70	130	2794	10.6	30	
Toluene	21380	200	16040	7031	89.5	70	130	19670	8.32	30	
TVH-Gasoline	160000	20000	220000	32580	57.9	70	130	151600	5.38	30	S
Xylene, Total	19750	400	21160	4994	69.7	70	130	18060	8.92	30	
Surr: 1,2-Dichloroethane-d4	5197	0	5000	0	104	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	5152	0	5000	0	103	70	130	0	0	0	
Surr: Toluene-d8	5536	0	5000	0	111	70	130	0	0	0	

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 X - See case narrative

Evergreen Analytical, Inc.

Date: 11-Apr-08

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 08-2245-06AMS	SampType: MS	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\3901039.D	Analysis Date: 4/10/08	SeqNo: 675451						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	3311	1000	5000	771	66.2	21	130	0	0		
Benzene	7214	100	5000	2943	85.4	59	132	0	0		
Bromodichloromethane	3795	200	5000	0	75.9	58	131	0	0		
Bromoform	3853	400	5000	0	77.1	45	140	0	0		
Bromomethane	5716	400	5000	0	114	53	155	0	0		
2-Butanone	3268	500	5000	0	65.4	37	130	0	0		
Carbon disulfide	4315	200	5000	0	86.3	41	132	0	0		
Carbon tetrachloride	3879	200	5000	0	77.6	70	130	0	0		
Chlorobenzene	4043	200	5000	0	80.9	65	133	0	0		
Chloroethane	5550	400	5000	0	111	55	143	0	0		
2-Chloroethylvinylether	11810	400	5000	0	236	20	168	0	0		S
Chloroform	4510	200	5000	0	90.2	69	130	0	0		
Chloromethane	5767	400	5000	0	115	48	156	0	0		
Dibromochloromethane	4079	200	5000	0	81.6	52	141	0	0		
1,2-Dichlorobenzene	3634	200	5000	0	72.7	40	148	0	0		
1,3-Dichlorobenzene	3698	200	5000	0	74	38	148	0	0		
1,4-Dichlorobenzene	3542	200	5000	0	70.8	43	136	0	0		
1,1-Dichloroethane	4883	200	5000	0	97.7	70	130	0	0		
1,2-Dichloroethane	3654	200	5000	0	73.1	62	130	0	0		
1,1-Dichloroethene	5488	200	5000	0	110	69	137	0	0		
cis-1,2-Dichloroethene	5489	200	5000	0	110	70	130	0	0		
trans-1,2-Dichloroethene	4993	200	5000	0	99.9	69	134	0	0		
1,2-Dichloropropane	4214	200	5000	0	84.3	63	131	0	0		
cis-1,3-Dichloropropene	3981	200	5000	0	79.6	51	134	0	0		
trans-1,3-Dichloropropene	3666	200	5000	0	73.3	50	130	0	0		
Ethylbenzene	4432	200	5000	334	82	68	130	0	0		
2-Hexanone	3311	200	5000	0	66.2	45	132	0	0		
Methylene chloride	5152	500	5000	0	103	58	139	0	0		
4-Methyl-2-pentanone	3540	200	5000	0	70.8	62	130	0	0		

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X - See case narrative

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 08-2245-06AMS	SampType: MS	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\3901039.D	Analysis Date: 4/10/08	SeqNo: 675451						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	3969	400	5000	0	79.4	27	130	0	0		
1,1,2,2-Tetrachloroethane	4000	200	5000	0	80	61	140	0	0		
Tetrachloroethene	4119	200	5000	0	82.4	61	134	0	0		
Toluene	11080	200	5000	7031	80.9	56	142	0	0		
1,1,1-Trichloroethane	3962	200	5000	0	79.2	70	130	0	0		
1,1,2-Trichloroethane	4240	200	5000	0	84.8	52	135	0	0		
Trichloroethene	4234	200	5000	0	84.7	61	132	0	0		
Vinyl acetate	4846	400	5000	0	96.9	40	139	0	0		
Vinyl chloride	5777	200	5000	0	116	54	148	0	0		
Xylene, Total	12890	400	10000	4994	78.9	36	132	0	0		
Surr: 1,2-Dichloroethane-d4	5011	0	5000	0	100	70	130	0	0		
Surr: 4-Bromofluorobenzene	4938	0	5000	0	98.8	70	130	0	0		
Surr: Toluene-d8	5263	0	5000	0	105	70	130	0	0		

Sample ID: 08-2245-06AMSD	SampType: MSD	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\4001040.D	Analysis Date: 4/10/08	SeqNo: 675460						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	3232	1000	5000	771	64.6	21	130	3311	2.41	30	
Benzene	6309	100	5000	2943	67.3	59	132	7214	13.4	30	
Bromodichloromethane	3505	200	5000	0	70.1	58	131	3795	7.95	30	
Bromoform	3644	400	5000	0	72.9	45	140	3853	5.58	30	
Bromomethane	5555	400	5000	0	111	53	155	5716	2.86	30	
2-Butanone	2955	500	5000	0	59.1	37	130	3268	10.1	30	
Carbon disulfide	3828	200	5000	0	76.6	41	132	4315	12.0	30	
Carbon tetrachloride	3900	200	5000	0	78	70	130	3879	0.540	30	
Chlorobenzene	3178	200	5000	0	63.6	65	133	4043	24.0	30	S
Chloroethane	5342	400	5000	0	107	55	143	5550	3.82	30	
2-Chloroethylvinylether	11450	400	5000	0	229	20	168	11810	3.08	30	S
Chloroform	4219	200	5000	0	84.4	69	130	4510	6.67	30	
Chloromethane	5481	400	5000	0	110	48	156	5767	5.09	30	

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Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 08-2245-06AMSD	SampType: MSD	TestCode: 8260_W	Run ID: VOA-2_080409B	Prep Date: 4/9/08	Units: µg/L						
Client ID: Pond 33018	Batch ID: R38332	TestNo: SW8260B	FileID: VOA20409\4001040.D	Analysis Date: 4/10/08	SeqNo: 675460						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	3759	200	5000	0	75.2	52	141	4079	8.17	30	
1,2-Dichlorobenzene	2811	200	5000	0	56.2	40	148	3634	25.5	30	
1,3-Dichlorobenzene	2705	200	5000	0	54.1	38	148	3698	31.0	30	R
1,4-Dichlorobenzene	2556	200	5000	0	51.1	43	136	3542	32.3	30	R
1,1-Dichloroethane	4537	200	5000	0	90.7	70	130	4883	7.35	30	
1,2-Dichloroethane	3511	200	5000	0	70.2	62	130	3654	3.99	30	
1,1-Dichloroethene	5057	200	5000	0	101	69	137	5488	8.17	30	
cis-1,2-Dichloroethene	4913	200	5000	0	98.3	70	130	5489	11.1	30	
trans-1,2-Dichloroethene	4474	200	5000	0	89.5	69	134	4993	11.0	30	
1,2-Dichloropropane	3852	200	5000	0	77	63	131	4214	8.98	30	
cis-1,3-Dichloropropene	3565	200	5000	0	71.3	51	134	3981	11.0	30	
trans-1,3-Dichloropropene	3408	200	5000	0	68.2	50	130	3666	7.29	30	
Ethylbenzene	3055	200	5000	334	54.4	68	130	4432	36.8	30	SR
2-Hexanone	3232	200	5000	0	64.6	45	132	3311	2.41	30	
Methylene chloride	4967	500	5000	0	99.3	58	139	5152	3.66	30	
4-Methyl-2-pentanone	3538	200	5000	0	70.8	62	130	3540	0.0565	30	
Styrene	3018	400	5000	0	60.4	27	130	3969	27.2	30	
1,1,2,2-Tetrachloroethane	3672	200	5000	0	73.4	61	140	4000	8.55	30	
Tetrachloroethene	2737	200	5000	0	54.7	61	134	4119	40.3	30	SR
Toluene	8621	200	5000	7031	31.8	56	142	11080	24.9	30	S
1,1,1-Trichloroethane	3608	200	5000	0	72.2	70	130	3962	9.35	30	
1,1,2-Trichloroethane	3975	200	5000	0	79.5	52	135	4240	6.45	30	
Trichloroethene	3466	200	5000	0	69.3	61	132	4234	19.9	30	
Vinyl acetate	4714	400	5000	0	94.3	40	139	4846	2.76	30	
Vinyl chloride	5395	200	5000	0	108	54	148	5777	6.84	30	
Xylene, Total	8796	400	10000	4994	38	36	132	12890	37.7	30	R
Surr: 1,2-Dichloroethane-d4	5023	0	5000	0	100	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	4876	0	5000	0	97.5	70	130	0	0	0	
Surr: Toluene-d8	5242	0	5000	0	105	70	130	0	0	0	

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Evergreen Analytical, Inc.

Date: 11-Apr-08

Work Order: 08-2245

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

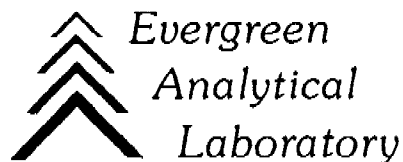
TestCode: 418.1_W

Sample ID: LCS	SampType: LCS	TestCode: 418.1_W	Run ID: FTIR_080411B	Prep Date: 4/11/2008	Units: mg/L						
	Batch ID: R38384	TestNo: E418.1	FileID: 52	Analysis Date: 4/11/2008	SeqNo: 675549						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TRPH	1.618	0.10	1.7	0	95.2	80	120	0	0		

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X - See case narrative



April 17, 2008

Jerry Alberts
Antero Resources
1625 17th Street Suite 300
Denver, CO 80202

Lab Work Order: 08-2245
Client Project ID:

Dear Jerry Alberts:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script that reads "Carl Smits".

Carl Smits / Kaprie Hollman
Technical Director of Chemical Analysis