

NOAV# 1175528
PIT# 101099, 101100, 101101
Doc# 2303224
Date: 09/08/2005

September 08, 2005

James Warner
Magpie Operating Inc
2707 S. County Road 11
Loveland, CO 80537

Lab Work Order: 05-6159
Client Project ID:

Dear James Warner:

Enclosed are the analytical results and invoice for the samples shown in the Laboratory Work Order Summary.

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,


Carl Smits
Technical Director of Chemical Analysis

• cc: *Randall Ferguson, COGCC*

WORK ORDER Summary

Evergreen Analytical, Inc.

05-6159

Rpt To: James Warner

Magpie Operating Inc
2707 S. County Road 11
Loveland, CO 80537
(970) 669-6308

8/22/05 11:40:30 AM

Client Project ID SEP 12 2005

QC Level: Level 1

COGCC

Comments:

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold MS	Date Due	Hold Time
05-6159-01A	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	8021_W *	8021: BTEX	<input type="checkbox"/>	8/25/05	9/01/05
05-6159-01B	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	6010_D * ^	6010 Dissolved Metals	<input type="checkbox"/>	9/06/05	2/14/06
05-6159-01C	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	COND_W ^	Specific Conductance @ 25°C	<input type="checkbox"/>	9/06/05	9/15/05
05-6159-01C	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	PH_W ^	pH	<input type="checkbox"/>	9/06/05	8/19/05
05-6159-01C	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	9/06/05	8/25/05
05-6159-01D	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	ANIONS_W *	Anions by IC	<input type="checkbox"/>	9/06/05	8/20/05
05-6159-01E	Redeiss Produced Water	Groundwater	8/18/05 1210	8/22/05	ALK_WGRP * ^	Alkalinity	<input type="checkbox"/>	9/06/05	9/01/05
05-6159-02A	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	8021_W *	8021: BTEX	<input type="checkbox"/>	8/25/05	9/01/05
05-6159-02B	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	6010_D *	6010 Dissolved Metals	<input type="checkbox"/>	9/06/05	2/14/06
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	9/06/05	9/15/05
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	PH_W	pH	<input type="checkbox"/>	9/06/05	8/19/05
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	9/06/05	8/25/05
05-6159-02D	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	ANIONS_W *	Anions by IC	<input type="checkbox"/>	9/06/05	8/20/05
05-6159-02E	Redeiss Produced Treated Water	Groundwater	8/18/05 1115	8/22/05	ALK_WGRP *	Alkalinity	<input type="checkbox"/>	9/06/05	9/01/05
05-6159-03A	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	8021_W *	8021: BTEX	<input type="checkbox"/>	8/25/05	9/01/05
05-6159-03B	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	6010_D *	6010 Dissolved Metals	<input type="checkbox"/>	9/06/05	2/14/06
05-6159-03C	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	9/06/05	9/15/05
05-6159-03C	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	PH_W	pH	<input type="checkbox"/>	9/06/05	8/19/05
05-6159-03C	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	9/06/05	8/25/05

Definitions: * - Test Code has a Select List

WORK ORDER Summary Evergreen Analytical, Inc. RECEIVED 05-6159

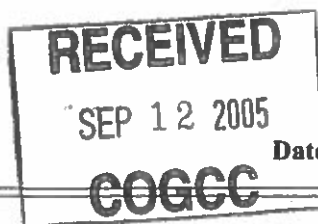
Rpt To: James Warner
 Magpic Operating Inc
 2707 S. County Road 11
 Loveland, CO 80537
 (970) 669-6308

Client Project ID: SEP 12 2005
QC Level: Level **COGCC**

8/22/05 11:40:30 AM

05-6159-03D	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	ANIONS_W *	<input type="checkbox"/>	<input type="checkbox"/>	9/06/05	8/20/05
05-6159-03E	Rouse Water Well	Groundwater	8/18/05 1145	8/22/05	ALK_WGRP *	<input type="checkbox"/>	<input type="checkbox"/>	9/06/05	9/01/05

Evergreen Analytical, Inc.



Date: 08-Sep-05

Client Project ID:

Lab Order: 05-6159

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 14 °C.

Sample(s) were received in good condition, in the proper container.

Nitrate, nitrite, and pH were received out of hold. The client was notified.

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

VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE

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

CLIENT SERVICES

There are no anomalies to report. PM

GENERAL CHEMISTRY

Samples were received and analyzed out of holding time for pH and nitrite & nitrate.

The detection limit was raised 5X for Nitrate on samples 05-6159-01 and 05-6159-02 due to high conductance of the samples. The detection limit was also raised 50X for Nitrite on samples 05-6159-01 and 05-6159-02, and 5X for sample 05-6159-03 due to high chloride concentrations in the samples, which interfere with the nitrite peak.

The sample 05-6159-02 alkalinity is mostly from hydroxide.

There were no other anomalies to report. MM/CMS

METALS ANALYSIS

The matrix spike recovery for sodium is out of limits due to the high concentration of sodium in the sample versus the low concentration of the spike. There are no other anomalies to report. WKH

GAS CHROMATOGRAPHY

Method 8021_W: There are no anomalies to report. JK

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

RECEIVED

SEP 12 2005

COGCC

Client Sample ID: Redeiss Produced Water

Lab Work Order 05-6159

Client Project ID:

Lab Sample ID: 05-6159-01A

Date Collected: 8/18/05

Sample Matrix: Groundwater

Date Received: 8/22/05

AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030A

Date Prepared: 8/23/05

Lab File ID: TVB40823\010R

Dilution Factor: 5

Date Analyzed: 8/23/05

Method Blank: MB4082305

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	380	5.0	µg/L
Toluene	108-88-3	72	10	µg/L
Ethylbenzene	100-41-4	U	10	µg/L
m,p-Xylene	1330-20-7	210	10	µg/L
o-Xylene	95-47-6	140	10	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	94	QC Limits: 44-166	%REC



Analyst



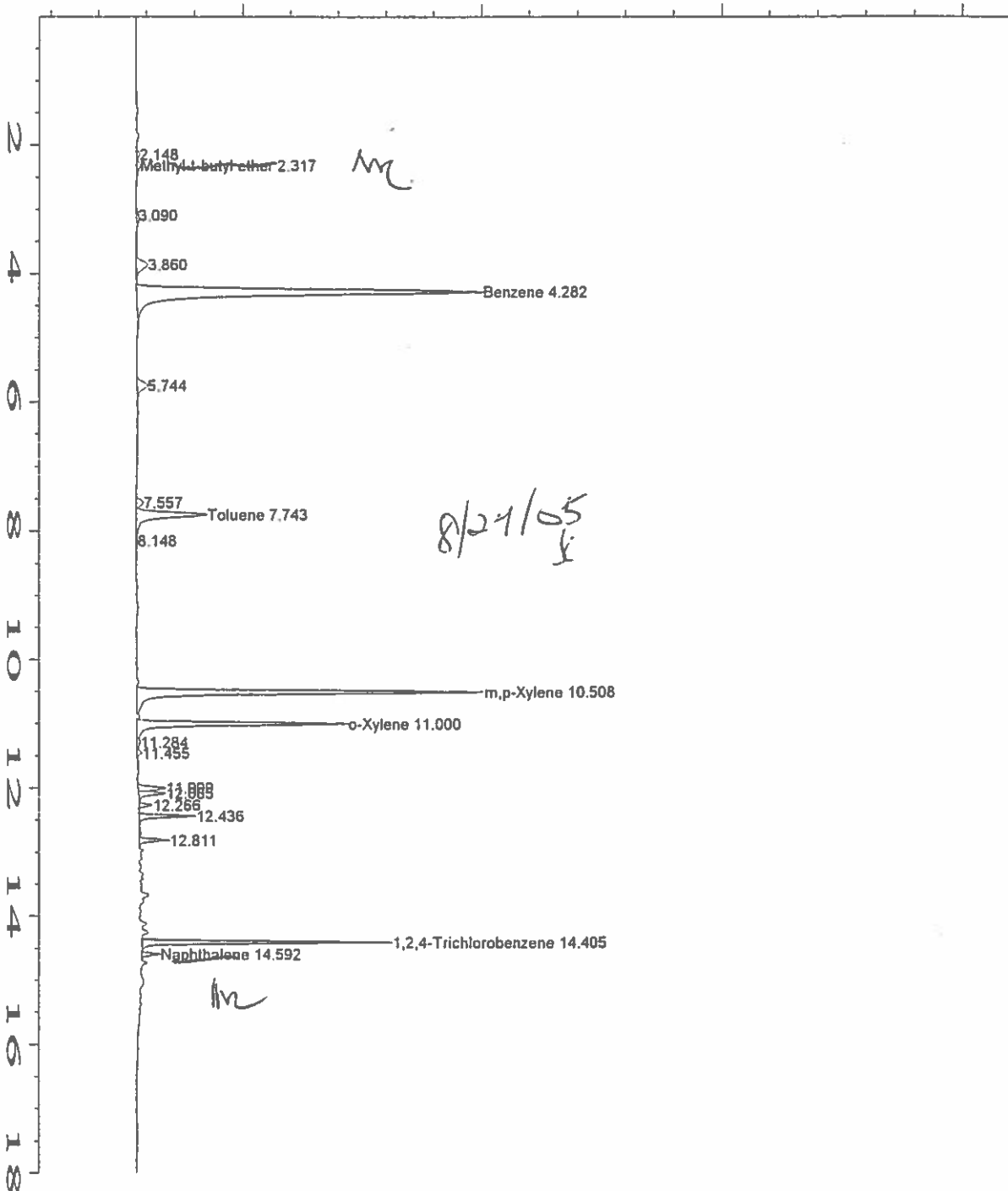
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample 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)

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05



Data File Name	: C:\HPCHEM\1\DATA\TVB40823\010R0101.D	Page Number	: 1
Operator	: JKLUGE	Vial Number	: 10
Instrument	: TVHBTEX4	Injection Number	: 1
Sample Name	: 05-6159-01A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TS40519B.MTH
Acquired on	: 23 Aug 05 09:51 PM	Analysis Method	: BS40819.MTH
Report Created on:	23 Aug 05 10:09 PM	Sample Amount	: 0
Last Recalib on	: 22 AUG 05 09:29 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=5		

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Redeiss Produced Treated Water

Lab Work Order 05-6159

Client Project ID:

Lab Sample ID: 05-6159-02A

Date Collected: 8/18/05

Sample Matrix: Groundwater

Date Received: 8/22/05

AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030A

Date Prepared: 8/24/05

Lab File ID: TVB40823\029R

Dilution Factor: 5

Date Analyzed: 8/24/05

Method Blank: MB4082305

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	210	5.0	µg/L
Toluene	108-88-3	230	10	µg/L
Ethylbenzene	100-41-4	25	10	µg/L
m,p-Xylene	1330-20-7	140	10	µg/L
o-Xylene	95-47-6	69	10	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	97	QC Limits: 44-166	%REC



Analyst



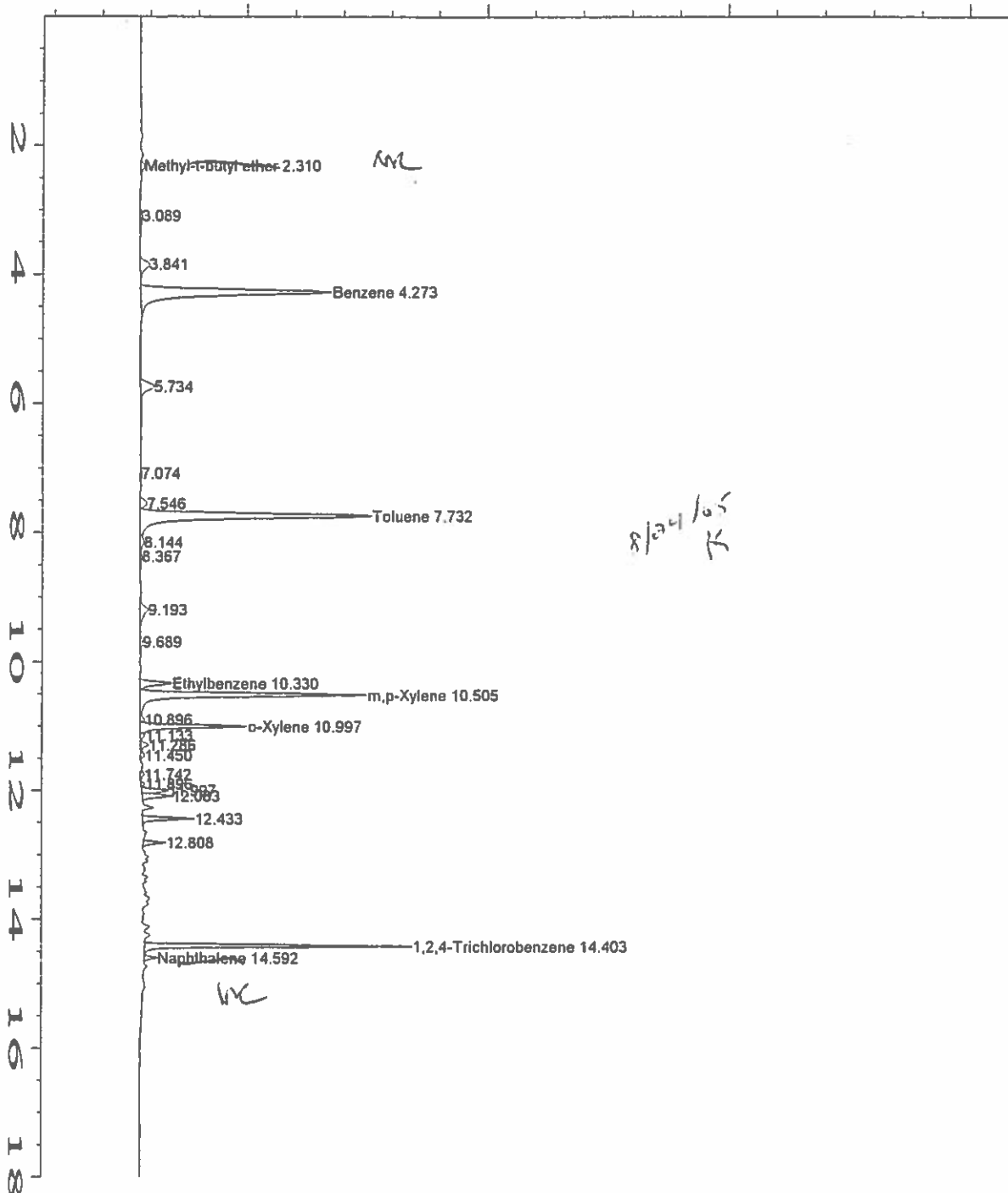
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample 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)

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05



Data File Name	: C:\HPCHEM\1\DATA\TVB40823\029R0101.D	Page Number	: 1
Operator	: JKLUGE	Vial Number	: 29
Instrument	: TVHBTEX4	Injection Number	: 1
Sample Name	: 05-6159-02A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TS40519B.MTH
Acquired on	: 24 Aug 05 10:29 AM	Analysis Method	: BS40819.MTH
Report Created on:	24 Aug 05 10:47 AM	Sample Amount	: 0
Last Recalib on	: 22 AUG 05 09:29 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=5		

Evergreen Analytical, Inc.


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

Client Sample ID: Rouse Water Well
Client Project ID:
Date Collected: 8/18/05
Date Received: 8/22/05

Lab Work Order 05-6159
Lab Sample ID: 05-6159-03A
Sample Matrix: Groundwater

AROMATIC VOLATILE ORGANICS**Method: SW8021B****Prep Method: SW5030A****Date Prepared:** 8/23/05**Lab File ID:** TVB40823\012R**Dilution Factor:** 1**Date Analyzed:** 8/23/05**Method Blank:** MB4082305

Analytes	CAS Number	Result	LQL	Units
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	72	QC Limits: 44-166	%REC

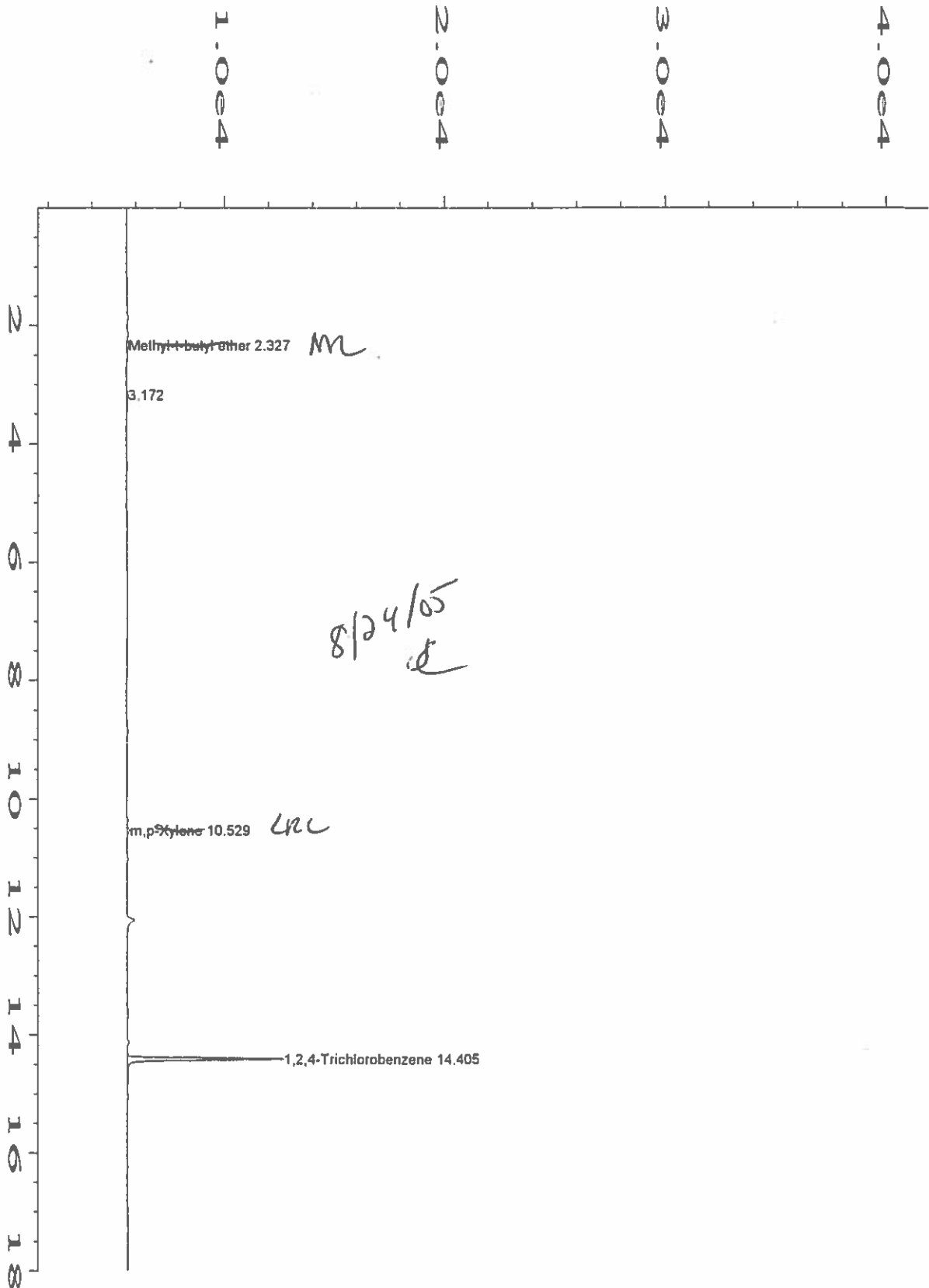
**Analyst****Approved**

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample 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)

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05



Data File Name	: C:\HPCHEM\1\DATA\TVB40823\012R0101.D	Page Number	: 1
Operator	: JKLUGE	Vial Number	: 12
Instrument	: TVHBTEX4	Injection Number	: 1
Sample Name	: 05-6159-03A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TS40519B.MTH
Acquired on	: 23 Aug 05 11:04 PM	Analysis Method	: BS40819.MTH
Report Created on:	23 Aug 05 11:22 PM	Sample Amount	: 0
Last Recalib on	: 22 AUG 05 09:29 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R19000

Sample ID: MB4082306	SampType: MBLK	TestCode: 8021_W	Run ID: TVHBTEX4_050823A	Prep Date: 8/23/05	Units: µg/L						
	Batch ID: R19000	TestNo: SW8021B	FileID: TVB408231001R	Analysis Date: 8/23/05	SeqNo: 351457						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS4082306	SampType: LCS	TestCode: 8021_W	Run ID: TVHBTEX4_050823A	Prep Date: 8/23/05	Units: µg/L						
Batch ID: R19000		TestNo: SW8021B	FileID: TVB408231002R	Analysis Date: 8/23/05	SeqNo: 351458						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS4082306	SampType: LCSD	TestCode: 8021_W	Run ID: TVHBTEX4_050823A	Prep Date: 8/23/05	Units: µg/L						
Batch ID: R19000	TestNo: SW8021B	FileID: TVB408231003R	Analysis Date: 8/23/05	SeqNo: 351459							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.23	1.0	27.2	0	107	70	130	28.85	1.32	30	
Toluene	165	2.0	153.2	0	108	70	130	164.8	0.116	30	
Ethylbenzene	40.03	2.0	36.8	0	109	70	138	41.14	2.74	39	
m,p-Xylene	138.9	2.0	127.2	0	109	70	130	139.9	0.735	30	
o-Xylene	57.17	2.0	50.8	0	113	70	137	58.52	2.34	30	
Surr: 1,2,4-Trichlorobenzene (S)	114	0	100	0	114	44	166	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

H - Sample exceeded analytical holding time

Print Date: 8/24/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: R19000

Sample ID: 05-6158-01AMS	SampType: MS	TestCode: 8021_W	Run ID: TVHBTEx4_050823A	Prep Date: 8/23/05	Units: µg/L
Batch ID: R19000	TestNo: SW8021B	LQL	SPK value	SPK Ref Val	SeqNo: 351461
Analyte	Result	LQL	SPK value	SPK Ref Val	RPDLimit Qual
Benzene	24.77	1.0	27.2	0	0
Toluene	140.9	2.0	153.2	0	0
Ethylbenzene	34.87	2.0	36.8	0	0
m,p-Xylene	113.2	2.0	127.2	0	0
o-Xylene	48.66	2.0	50.8	0	0
Surr: 1,2,4-Trichlorobenzene (S)	110	0	100	0	0

Sample ID: 05-6158-01AMS	SampType: MSD	TestCode: 8021_W	Run ID: TVHBTEx4_050823A	Prep Date: 8/23/05	Units: µg/L
Batch ID: R19000	TestNo: SW8021B	LQL	SPK value	SPK Ref Val	SeqNo: 351462
Analyte	Result	LQL	SPK value	SPK Ref Val	RPDLimit Qual
Benzene	25.88	1.0	27.2	0	30
Toluene	147.2	2.0	153.2	0	30
Ethylbenzene	36.68	2.0	36.8	0	30
m,p-Xylene	119.2	2.0	127.2	0	30
o-Xylene	52.28	2.0	50.8	0	30
Surr: 1,2,4-Trichlorobenzene (S)	113.8	0	100	0	0

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 8/24/05

Evergreen Analytical, Inc.

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

Client Sample ID: Redeiss Produced Water
Client Project ID:
Date Collected: 8/18/05
Date Received: 8/22/05

Lab Work Order: 05-6159
Lab Sample ID: 05-6159-01
Sample Matrix: Groundwater

DISSOLVED METALS**Method: SW6010****Prep Method: E200.7/SW3010**

Date Prepared: 8/26/05
Date Analyzed: 8/30/05

Lab File ID: 083005PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-01B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	6.3	0.39	mg/L
Iron	7439-89-6	U	0.070	mg/L
Manganese	7439-96-5	0.035	0.0050	mg/L
Potassium	7440-09-7	11	0.34	mg/L
Sodium	7440-23-5	2000	0.40	mg/L

Date Prepared: 8/26/05
Date Analyzed: 9/1/05

Lab File ID: 083105PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-01B

Analytes	CAS Number	Result	LQL	Units
Magnesium	7439-95-4	2.3	0.15	mg/L

**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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 9/1/05

Evergreen Analytical, Inc.

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

Client Sample ID: Redeiss Produced Treated Water
Client Project ID:
Date Collected: 8/18/05
Date Received: 8/22/05

Lab Work Order: 05-6159
Lab Sample ID: 05-6159-02
Sample Matrix: Groundwater

DISSOLVED METALS**Method: SW6010****Prep Method: E200.7/SW3010**

Date Prepared: 8/26/05
Date Analyzed: 8/30/05

Lab File ID: 083005PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-02B

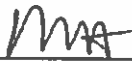
Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	5.3	0.39	mg/L
Iron	7439-89-6	U	0.070	mg/L
Manganese	7439-96-5	0.0097	0.0050	mg/L
Potassium	7440-09-7	13	0.34	mg/L
Sodium	7440-23-5	2300	0.40	mg/L

Date Prepared: 8/26/05
Date Analyzed: 9/1/05

Lab File ID: 083105PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-02B

Analytes	CAS Number	Result	LQL	Units
Magnesium	7439-95-4	2.3	0.15	mg/L



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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 9/1/05

Evergreen Analytical, Inc.

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

Client Sample ID: Rouse Water Well
Client Project ID:
Date Collected: 8/18/05
Date Received: 8/22/05

Lab Work Order: 05-6159
Lab Sample ID: 05-6159-03
Sample Matrix: Groundwater

DISSOLVED METALS**Method: SW6010****Prep Method: E200.7/SW3010**

Date Prepared: 8/26/05
Date Analyzed: 8/30/05

Lab File ID: 083005PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-03B

Analytes	CAS Number	Result	LQL	Units
Calcium	7440-70-2	480	0.39	mg/L
Iron	7439-89-6	U	0.070	mg/L
Manganese	7439-96-5	U	0.0050	mg/L
Potassium	7440-09-7	19	0.34	mg/L
Sodium	7440-23-5	660	0.40	mg/L

Date Prepared: 8/26/05
Date Analyzed: 9/1/05

Lab File ID: 083105PM
Method Blank: MB-8057

Dilution Factor: 1
Lab Fraction ID: 05-6159-03B

Analytes	CAS Number	Result	LQL	Units
Magnesium	7439-95-4	210	0.15	mg/L



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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 9/1/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: 8057

Sample ID: MB-8057	SampType: MBLK	TestCode: 200.7_D	Run ID: ICP_050830A	Prep Date: 8/26/05	Units: mg/L						
	Batch ID: 8057	TestNo: E200.7	FileID: 083005PM	Analysis Date: 8/30/05	SeqNo: 354150						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-8057	SampType: MBLK	TestCode: 200.7_D	Run ID: ICP_050831A	Prep Date: 8/26/05	Units: mg/L						
	Batch ID: 8057	TestNo: E200.7	FileID: 083105PM	Analysis Date: 9/1/05	SeqNo: 354588						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-8057	SampType: LCS	TestCode: 200.7_D	Run ID: ICP_050830A	Prep Date: 8/26/05	Units: mg/L						
	Batch ID: 8057	TestNo: E200.7	FileID: 083005PM	Analysis Date: 8/30/05	SeqNo: 354151						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-8057	SampType: LCS	TestCode: 200.7_D	Run ID: ICP_050831A	Prep Date: 8/26/05	Units: mg/L						
	Batch ID: 8057	TestNo: E200.7	FileID: 083105PM	Analysis Date: 9/1/05	SeqNo: 354593						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

BatchID: 8057

Sample ID: 05-6159-01BMS	SampType: MS	TestCode: 6010_D	Run ID: ICP_050830A	Prep Date: 8/26/05	Units: mg/L						
Client ID: Redeiss Produced	Batch ID: 8057	TestNo: SW6010	FileID: 083005PM	Analysis Date: 8/30/05	SeqNo: 354153						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	19.33	0.48	12.14	6.318	107	75	125	0	0		
Iron	5.802	0.088	6.068	0.04289	95.6	75	125	0	0		
Manganese	2.182	0.0063	2.428	0.0352	88.4	75	125	0	0		
Potassium	22.91	0.43	12.14	11.05	97.7	75	125	0	0		
Sodium	2032	0.50	12.14	2025	55.2	75	125	0	0		S

Sample ID: 05-6159-01BMS	SampType: MS	TestCode: 6010_D	Run ID: ICP_050831A	Prep Date: 8/26/05	Units: mg/L						
Client ID: Redeiss Produced	Batch ID: 8057	TestNo: SW6010	FileID: 083105PM	Analysis Date: 9/1/05	SeqNo: 354595						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	15.26	0.19	12.14	2.304	107	75	125	0	0		
-----------	-------	------	-------	-------	-----	----	-----	---	---	--	--

Sample ID: 05-6159-01BMSD	SampType: MSD	TestCode: 6010_D	Run ID: ICP_050830A	Prep Date: 8/26/05	Units: mg/L						
Client ID: Redeiss Produced	Batch ID: 8057	TestNo: SW6010	FileID: 083005PM	Analysis Date: 8/30/05	SeqNo: 354154						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	19.63	0.48	12.14	6.318	110	75	125	19.33	1.56	0	
Iron	5.848	0.088	6.068	0.04289	96.4	75	125	5.802	0.792	0	
Manganese	2.198	0.0063	2.428	0.0352	89.1	75	125	2.182	0.722	0	
Potassium	23.36	0.43	12.14	11.05	101	75	125	22.91	1.97	0	
Sodium	2039	0.50	12.14	2025	119	75	125	2032	0.380	0	

Sample ID: 05-6159-01BMSD	SampType: MSD	TestCode: 6010_D	Run ID: ICP_050831A	Prep Date: 8/26/05	Units: mg/L						
Client ID: Redeiss Produced	Batch ID: 8057	TestNo: SW6010	FileID: 083105PM	Analysis Date: 9/1/05	SeqNo: 354596						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	15.32	0.19	12.14	2.304	107	75	125	15.26	0.354		0

Magnesium	15.32	0.19	12.14	2.304	107	75	125	15.26	0.354	0	
-----------	-------	------	-------	-------	-----	----	-----	-------	-------	---	--

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 9/2/05

Evergreen Analytical, Inc.

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

Client Project ID
Collection Date: 8/18/05

Lab Order: 05-6159
Date Received: 8/22/05
Units: $\mu\text{mhos/cm}$

Specific Conductance @ 25°C Specific Conductance

Method: SM2510 B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01C	Redeiss Produced Water	Groundwater	8/23/05	8/23/05	8080	1.00	1
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/23/05	8/23/05	9350	1.00	1
05-6159-03C	Rouse Water Well	Groundwater	8/23/05	8/23/05	5350	1.00	1

Comments


Analyst


Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL.
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: COND_W

Sample ID: LCS	SampType: LCS	TestCode: COND_W	Run ID: COND_050823A	Prep Date: 8/23/05	Units: µmhos/cm						
	Batch ID: R18974	TestNo: SM2510 B	FileID: 10	Analysis Date: 8/23/05	SeqNo: 351066						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	98.3	1.00	98.4	0	99.9	90	110	0	0	0	

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 8/31/05

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID
Collection Date: 8/18/05 1210

Lab Order: 05-6159
Date Received: 8/22/05
Units: pH Units

pH

Method: E150.1

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01C	Redeiss Produced Water	Groundwater	8/22/05	8/22/05 0000	7.93	1.00	1
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/22/05	8/22/05 0000	8.91	1.00	1
05-6159-03C	Rouse Water Well	Groundwater	8/22/05	8/22/05 0000	7.29	1.00	1

Comments



Analyst



Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_W

Sample ID: LCS-R18960	SampType: LCS	TestCode: PH_W	Run ID: PH_050822A	Prep Date: 8/22/05	Units: pH Units						
Batch ID: R18960	TestNo: E150.1	FileID:		Analysis Date: 8/22/05	SeqNo: 350623						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8	1.00	8	0	100	99.5	100.5	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 8/31/05

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID

Collection Date: 8/18/05 1210

Lab Order: 05-6159

Date Received: 8/22/05

Units: mg/L

Total Dissolved Solids (TDS)

Total Dissolved Solids

Method: SM 2540C

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01C	Redeiss Produced Water	Groundwater	8/24/05	8/25/05 0000	5560	10.0	1
05-6159-02C	Redeiss Produced Treated Water	Groundwater	8/24/05	8/25/05 0000	6480	10.0	1
05-6159-03C	Rouse Water Well	Groundwater	8/24/05	8/25/05 0000	5280	10.0	1

Comments



Analyst



Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: TDS_W

Sample ID: MBLK	SampType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_050825A	Prep Date: 8/24/05	Units: mg/L
Batch ID: R19034	TestNo: SM 2540C	FileID: 1	Analysis Date: 8/25/05	SeqNo: 352059	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids U 10.0

Sample ID: LCS	SampType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_050825A	Prep Date: 8/24/05	Units: mg/L
Batch ID: R19034	TestNo: SM 2540C	FileID: 2	Analysis Date: 8/25/05	SeqNo: 352060	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids 400 10.0 400 0 100 90 110 0 0

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 8/31/05

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Redeiss Produced Water
Client Project ID:
Date Collected: 8/18/05 1210
Date Received: 8/22/05

Lab Work Order 05-6159
Lab Sample ID: 05-6159-01
Sample Matrix: Groundwater

ANIONS BY IC

Method: E300

Prep Method:

Date Prepared: 8/22/05
Date Analyzed: 8/22/05 1324

Method Blank: METHOD BLANK

Dilution Factor: 5
Lab Fraction ID: 05-6159-01D

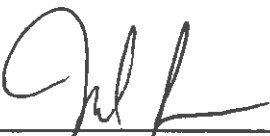
Analytes	CAS Number	Result	LQL	Units
Bromide	24959-67-9	11.9	0.25	mg/L
Nitrate		U H	1.3	mg/L

Date Prepared: 8/22/05
Date Analyzed: 8/22/05 1427

Method Blank: METHOD BLANK

Dilution Factor: 50
Lab Fraction ID: 05-6159-01D

Analytes	CAS Number	Result	LQL	Units
Chloride	16887-00-6	1630	25	mg/L
Nitrite		U H	13	mg/L
Sulfate	14808-79-8	341	25	mg/L



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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: Redeiss Produced Treated Water
Client Project ID:
Date Collected: 8/18/05 1115
Date Received: 8/22/05

Lab Work Order 05-6159
Lab Sample ID: 05-6159-02
Sample Matrix: Groundwater

ANIONS BY IC

Method: E300

Prep Method:

Date Prepared: 8/22/05
Date Analyzed: 8/22/05 1336

Method Blank: METHOD BLANK

Dilution Factor: 5
Lab Fraction ID: 05-6159-02D

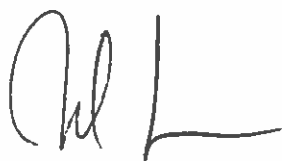
Analytes	CAS Number	Result	LQL	Units
Bromide	24959-67-9	13.0	0.25	mg/L
Nitrate		U H	1.3	mg/L

Date Prepared: 8/22/05
Date Analyzed: 8/22/05 1439

Method Blank: METHOD BLANK

Dilution Factor: 50
Lab Fraction ID: 05-6159-02D

Analytes	CAS Number	Result	LQL	Units
Chloride	16887-00-6	2000	25	mg/L
Nitrite		U H	13	mg/L
Sulfate	14808-79-8	368	25	mg/L



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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05

Evergreen Analytical, Inc.4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021**Client Sample ID:** Rouse Water Well**Lab Work Order** 05-6159**Client Project ID:****Lab Sample ID:** 05-6159-03**Date Collected:** 8/18/05 1145**Sample Matrix:** Groundwater**Date Received:** 8/22/05**ANIONS BY IC****Method:** E300**Prep Method:****Date Prepared:** 8/22/05**Dilution Factor:** 5**Date Analyzed:** 8/22/05 1349**Method Blank:** METHOD BLANK**Lab Fraction ID:** 05-6159-03D

Analytes	CAS Number	Result	LQL	Units
Nitrite		U H	1.3	mg/L
Bromide	24959-67-9	6.79	0.25	mg/L
Nitrate		207 H	1.3	mg/L

Date Prepared: 8/22/05**Dilution Factor:** 100**Date Analyzed:** 8/22/05 1452**Method Blank:** METHOD BLANK**Lab Fraction ID:** 05-6159-03D

Analytes	CAS Number	Result	LQL	Units
Chloride	16887-00-6	436	50	mg/L
Sulfate	14808-79-8	2600	50	mg/L

**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 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)

Definitions: NA - Not Applicable
LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 8/24/05

Work Order: 05-6159

Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS_W

Sample ID: METHOD BLANK	SampType: MBLK	TestCode: ANIONS_W	Run ID: IC-DX300_050822A	Prep Date: 8/22/05	Units: mg/L
Batch ID: R19014	TestNo: E300	FileID:	Analysis Date: 8/22/05	SeqNo: 351752	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Chloride	U	0.50			
Nitrite	U	0.25			
Bromide	U	0.050			
Nitrate	U	0.25			
Sulfate	U	0.50			
			LowLimit	HighLimit	RPD Ref Val
			%RPD	RPDLimit	Qual

Sample ID: LCS	SampType: LCS	TestCode: ANIONS_W	Run ID: IC-DX300_050822A	Prep Date: 8/22/05	Units: mg/L
Batch ID: R19014	TestNo: E300	FileID:	Analysis Date: 8/22/05	SeqNo: 351751	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC
Chloride	18.81	0.50	20	0	94
Nitrite	20.01	0.25	20	0	100
Bromide	19.9	0.050	20	0	99.5
Nitrate	19.69	0.25	20	0	98.4
Sulfate	30.29	0.50	30	0	101
			LowLimit	HighLimit	RPD Ref Val
			%RPD	RPDLimit	Qual

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time

Print Date: 8/24/05

Evergreen Analytical, Inc.

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

Client Project ID
Collection Date: 8/18/05

Lab Order: 05-6159
Date Received: 8/22/05
Units: mg/L CaCO₃

Alkalinity Total Alkalinity

Method: SM2320B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01E	Redeiss Produced Water	Groundwater	8/29/05	8/29/05	2250	5.0	1
05-6159-02E	Redeiss Produced Treated Water	Groundwater	8/26/05	8/26/05	191	5.0	1
05-6159-03E	Rouse Water Well	Groundwater	8/26/05	8/26/05	223	5.0	1

Comments



Analyst



Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID
Collection Date: 8/18/05

Lab Order: 05-6159
Date Received: 8/22/05
Units: mg/L CaCO₃

Alkalinity Bicarbonate

Method: SM2320B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01E	Redeiss Produced Water	Groundwater	8/29/05	8/29/05	2250	5.0	1
05-6159-02E	Redeiss Produced Treated Water	Groundwater	8/26/05	8/26/05	U	5.0	1
05-6159-03E	Rouse Water Well	Groundwater	8/26/05	8/26/05	223	5.0	1

Comments



Analyst



Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID
Collection Date: 8/18/05

Lab Order: 05-6159
Date Received: 8/22/05
Units: mg/L CaCO₃

Alkalinity Carbonate

Method: SM2320B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
05-6159-01E	Redeiss Produced Water	Groundwater	8/29/05	8/29/05	U	5.0	1
05-6159-02E	Redeiss Produced Treated Water	Groundwater	8/26/05	8/26/05	U	5.0	1
05-6159-03E	Rouse Water Well	Groundwater	8/26/05	8/26/05	U	5.0	1

Comments


Analyst


Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL
H - Sample exceeded analytical holding time
U - Compound analyzed for but not detected
X - See case narrative

Definitions: DF - Dilution Factor
LQL - Lower Quantitation Limit

Print Date: 8/31/05

Work Order: 05-6159
Client Project ID:

ANALYTICAL QC SUMMARY REPORT

TestCode: ALK_WGRP

Sample ID: MBLK	SampType: MBLK	TestCode: ALK_WGRP	Run ID: ALK_050826A	Prep Date: 8/26/05	Units: mg/L CaCO3
	Batch ID: R19078	TestNo: SM2320B	FieldID: 65	Analysis Date: 8/26/05	SeqNo: 352847
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Alkalinity U 5.0
Bicarbonate U 5.0
Carbonate U 5.0
Hydroxide U 5.0

Sample ID: MB-R19112	SampType: MBLK	TestCode: ALK_WGRP	Run ID: ALK_050829A	Prep Date: 8/29/05	Units: mg/L CaCO3
	Batch ID: R19112	TestNo: SM2320B	FieldID:	Analysis Date: 8/29/05	SeqNo: 353423
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Alkalinity U 5.0
Bicarbonate U 5.0
Carbonate U 5.0
Hydroxide U 5.0

Sample ID: LCS	SampType: LCS	TestCode: ALK_WGRP	Run ID: ALK_050826A	Prep Date: 8/26/05	Units: mg/L CaCO3
	Batch ID: R19078	TestNo: SM2320B	FieldID: 66	Analysis Date: 8/26/05	SeqNo: 352848
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Alkalinity 107.5 5.0 109 0.7407 98.7 90 110 0 0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
H - Sample exceeded analytical holding time
Print Date: 8/31/05