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## **Appendix A**

### **Sample Location Well Information and Field Photographs**

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**Name:** Marjorie Alessandro  
**Unique ID:** ALLESSANDRO-6S93W-1  
**Address:** 3445 CR 214, Silt, CO  
**Phone:** 970-876-2274

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Ed and Sheila Allen  
**Unique ID:** ALLEN-5S92W-30  
**Address:** 488 CR 251, Rifle, CO  
**Phone:** 970-625-0537

**Date Sampled:** August 4, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



FORM NO.  
GWS-31  
11/90WELL CONSTRUCTION AND TEST REPORT  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

WATER

RECEIVED

JUN 10 '92

WATER RESOURCES  
STATE ENGINEER  
C.D.O.

1. WELL PERMIT NUMBER 038005-F

2. OWNER NAME(S) Frederick J. Kuester  
Mailing Address P.O. Box 1452  
City, St. Zip Rifle, CO 81650  
Phone (303) 625-04293. WELL LOCATION AS DRILLED: NW 1/4 NE 1/4, Sec. 30 Twp. 5, Range 92  
DISTANCES FROM SEC. LINES:  
600 ft. from N Sec. line. and 2320 ft. from E Sec. line. OR  
(north or south) Reception  
SUBDIVISION: Robinson SB 35 exemption LOT 5 BLOCK FILING(UNIT) 356200  
STREET ADDRESS AT WELL LOCATION: 0488 Cty Rd 251, Rifle, CO 816504. GROUND SURFACE ELEVATION 5834 ft. DRILLING METHOD Rotary - air  
DATE COMPLETED May 1, 1991 TOTAL DEPTH 100 ft. DEPTH COMPLETED 100 ft.

## 5. GEOLOGIC LOG:

Depth Description of Material (Type, Size, Color, Water Location)

Top soil - 3 feet

Grey clay - 3 - 12 feet

Grey sandstone - 12 - 100 feet

Water first present in hole at 40 feet

REMARKS:

6. HOLE DIAM. (in.) From (ft) To (ft)  
6" 0 100

## 7. PLAIN CASING

OD (in) Kind Wall Size From (ft) To (ft)  
6 steel 3/16 0 20

PERF. CASING: Screen Slot Size:

6 steel 3/16 20 100

## 8. FILTER PACK:

Material  
Size  
Interval

## 9. PACKER PLACEMENT:

Type  
Depth

## 10. GROUTING RECORD:

Material Amount Density Interval Placement

Portland  
type 1 8 bags 15 min around casing

11. DISINFECTION: Type Amt. Used

12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.

TESTING METHOD submersible pump to tank

Static Level 39' ft. Date/Time measured April 20 10:00 am Production Rate 8 gpm.

Pumping level 70' ft. Date/Time measured Test length (hrs.) .5 hour

Remarks

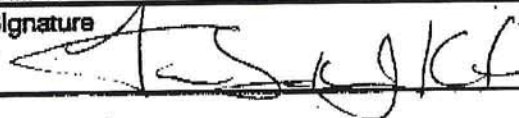
13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR self Phone (303) 625-0429 Lic. No. n/a  
Mailing Address

Name/Title (Please type or print)

Frederick J. Kuester / owner

Signature



Date

5-23-92

**Name:** Susan and Harvey Armstrong  
**Unique ID:** ARMSTRONG-5S91W-30  
**Address:** 413 Ingersoll Lane, Silt, CO  
**Phone:** 970-876-5757

**Date Sampled:** August 7, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



**Name:** Asgard Water Systems (Dennis Webb)  
**Unique ID:** ASG-5S92W-26  
**Address:** 2237 CR 456, Silt, CO  
**Phone:** 970-876-0768

**Date Sampled:** August 16, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Phil Bain

**Unique ID:** BAIN-6S93W-10

**Address:** 1983 CR 293, Rifle, CO

**Phone:**

**Date Sampled:** August 1, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



# WELL CONSTRUCTION AND TEST REPORT

STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

FOR OFFICE USE ONLY

RECEIVED

JAN 21 2003

WATER RESOURCES  
STATE ENGINEER  
COLO.

7500973

APPROVAL # GWS31-91-03

1. WELL PERMIT NUMBER 225447-A

2. Owner Name(s): Phillip Bain  
Mailing Address: 1983 County Road 293  
City, State, Zip : Rifle, Co. 81650  
Phone # : (970) 625-5550

3. WELL LOCATION AS DRILLED SW 1/4 NW 1/4 Sec: 11 Twp: 6 S Range: 93 W  
DISTANCES FROM SEC. LINES 1400 ft. from North Sec. line and 150 ft. from West Sec. line OR Northing: Easting:  
SUBDIVISION: LOT: BLOCK: FILING (UNIT):  
STREET ADDRESS AT LOCATION

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Rotary  
DATE COMPLETED: 12/3/2002 TOTAL DEPTH: 200 DEPTH COMPLETION: 200

5. GEOLOGIC LOG		6. HOLE DIAMETER (in)	FROM (ft)	TO (ft)
Depth	Type of Material (Size, Color, and Type)	9.0	0	40
000-200	Wasatch Formation	6.5	40	200
7. PLAIN CASING				
		OD (in)	Kind	Wall Size
		7.0	Steel	0.240
		5.5	PVC	0.250
		5.5	PVC	0.250
PERF. CASING : Screen Slot Size				
		5.5	PVC	.250

Water Located: 60

Remarks :

8. Filter Pack  
Material :  
Size :  
Interval :

9. Packer Placement  
Type :  
Depth :

## 10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
cement	5 sks	16 gal	10-40	poured

11. DISINFECTION : Type : HTH Amt. Used : 5 oz.

12. WELL TEST DATA : ( ) Check Box If Test Data Is Submitted On Supplemental

TESTING METHOD : Air Compressor

Static Level : 25 ft. Date/Time Measured 12/3/2002 Production Rate 1 gpm

Pumping Level : Total ft. Date/Time Measured 12/3/2002 Test Length : 2

Test Remarks :

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-1-4 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR : Shelton Drilling Corp.

Mailing Address : P.O. Box 1059 Basalt, Co. 81621

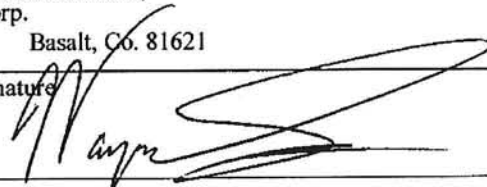
Phone : (970) 927-4182

Lic. No. 1095

Name / Title (Please Type or Print)

Wayne Shelton / President

Signature



Date

12/23/2002

ORIGINAL

FORM NO.  
GWS-32  
10/84

**PUMP INSTALLATION AND TEST REPORT**  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

225447

RECEIVED

0463537

SEP 06 2000

WATCH RE SUBMITTED  
STATE ENGINEER  
COLO.

1. WELL PERMIT NUMBER 22547 225447

2. OWNER NAME(S) Philip Bain  
Mailing Address 1983 Co Rd 293  
City, St. Zip Rifle, Co 81650  
Phone ( 970 ) 625-5550

3. WELL LOCATION AS DRILLED: SW 1/4 NW 1/4, Sec. 11 Twp. 6 S, Range 93W 6th  
DISTANCES FROM SEC. LINES:  
1550 ft. from North Sec. line. and 125 ft. from West Sec. line.  
(North or South) (East or West)  
SUBDIVISION: \_\_\_\_\_ LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING(UNIT) \_\_\_\_\_  
STREET ADDRESS AT WELL LOCATION: \_\_\_\_\_

4. PUMP DATA: Type Submersible Installation Completed 8/16/00  
Pump Manufacturer Goulds Pump Model No. 7GS07412L  
Design GPM 7 at RPM 3450, HP 3/4, Volts 230, Full Load Amps 6.8  
Pump Intake Depth 220' Feet, Drop/Column Pipe Size 1" Inches, Kind Sch 80 PVC

**ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM:**

TURBINE DRIVER TYPE: ☐ Electric ☐ Engine ☐ Other \_\_\_\_\_  
Design Head \_\_\_\_\_ feet, Number of Stages \_\_\_\_\_, Shaft size \_\_\_\_\_ inches.

5. OTHER EQUIPMENT:  
Airline Installed ☐ Yes ☐ No, Orifice Depth ft. \_\_\_\_\_ Monitor Tube Installed ☐ Yes ☐ No, Depth ft. \_\_\_\_\_  
Flow Meter Mfg. \_\_\_\_\_ Meter Serial No. \_\_\_\_\_  
Meter Readout ☐ Gallons, ☐ Thousand Gallons, ☐ Acre feet, ☐ Beginning Reading \_\_\_\_\_

6. TEST DATA: ☐ Check box if Test data is submitted on Supplemental Form.  
Date 8/16/00  
Total Well Depth 230' Time 2 HR  
Static Level 166'4" Rate (GPM) 6 GPM  
Date Measured 8/16/00 Pumping Lvl. 193'2"

7. DISINFECTION: Type Chlorox Amt. Used 1/4 Cup

8. Water Quality analysis available. ☐ Yes ☐ No

9. Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.  
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR J & M Pump Co Phone ( 970 ) 945-6159 Lic. No. 1196  
Mailing Address 8611 Co Rd 117 Glen Spgs Co 81601

Name/Title (Please type or print)

Richard A. Holub Owner

Signature

Richard A. Holub

Date

8/31/00

# Shelton Drilling Corp.

P.O. Box 1059  
Basalt, Colo. 81621  
(970) 927-4182  
Lic. # 1095

RECEIVED

FEB 18 2002

WATER RESOURCES  
STATE ENGINEER  
COLO

FEB 11 '02

Invoice # SC-1607  
WATER RESOURCES  
STATE ENGINEER  
GLENWOOD

Name : Phillip Bain  
c/o : \_\_\_\_\_  
Address : P.O. Box 533  
City, St, Zip : Silt, Co. 81652  
Phone # : (970) 625-5550

Date : 08/16/00  
Permit # : \_\_\_\_\_  
Location : Rifle

Hole Size	Depth	Type	Casing ID	Casing OD	From-To
9.0	40	Steel	6.5	7.0	0-40
6.5	232	PVC	5.0	5.5	32-232

Perforated Ft : 30 ft \*  
Estimated : 3 gpm  
Static Level : 173 ft  
Total Drilled : 232 ft

**Recommended Pump Set Depth 225 Ft. Pumping 3 GPM.**

For Pump Installation We Recommend : Aqua Tec Pump 984-0311 (Tom Platzer)  
Samuelson Pump 945-6309 (Raun Samuelson)  
J & M Pump Co 945-6159 (Rick Holub)

Special Instructions :

Price Per Foot : 200 Feet @ \$ 23.00 Per Foot = \$ 4,600.00  
0 Feet @ \$ 0.00 Per Foot = \$ 0.00

**Total Invoice. . . . . \$ 4,600.00**

Conditions Of Payment : \_\_\_\_\_ pay \$4,600.00

## PLEASE READ THE FOLLOWING RECOMMENDATIONS

- \* WE STRONGLY RECOMMEND A VALID PUMP TEST BE CONDUCTED BY A LICENSED PUMP INSTALLER TO DETERMINE THE ACTUAL WELL PRODUCTION AND WATER QUALITY. THIS SHOULD ESTABLISH THE ACTUAL WELL PRODUCTION PARAMETERS WHICH WE CANNOT DETERMINE WHILE DRILLING.**
- OUR GUARANTEE IS VALID ONLY IF A LICENSED PUMP INSTALLER INSTALLS THE PUMPING SYSTEM !!**
- 3. On Monitoring/Observation Holes (test holes) it is the customer's responsibility to obtain the proper permit before the well is put to beneficial use (within one year) or the State may require the hole be plugged and abandoned. We will be happy to assist you whenever possible in filling out the appropriate well application.**
- 4. The landowner is ultimately responsible for the plugging and abandoning of dry holes or replaced wells, according to State Rules and Regulations. Please contact us for details and/or prices.**
- 5. ALL INVOICES DUE AND PAYABLE WITHIN 10 DAYS OF INVOICE DATE, UNLESS PRIOR ARRANGEMENTS ARE MADE. A 1.5% HANDLING CHARGE PER MONTH MAY BE ADDED 15 DAYS FROM FIRST BILLING.**

Please call us if you have any questions .

**THANK YOU**

**Name:** Tony Barrie  
**Unique ID:** BARRIE-5S92W-25  
**Address:** 5721 CR 233, Silt, CO  
**Phone:** 970-876-2677

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Jim Becker  
**Unique ID:** BECKER-6S91W-6  
**Address:** 4520 CR 214, Silt, CO  
**Phone:** 970-309-2713

**Date Sampled:** August 8, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



THIS FORM MUST BE  
SUBMITTED PRIOR TO  
THE EXPIRATION OF THE  
PERMIT: TYPE OR  
PRINT IN BLACK INK.  
COPY OF ACCEPTED  
STATEMENT MAILED  
ON REQUEST.

# COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203

STATE OF COLORADO

COUNTY OF GARFIELD } SS.

1 STATEMENT OF BENEFICIAL USE OF GROUND WATER  
AMENDMENT OF EXISTING RECORD

PERMIT NUMBER 77160

LOCATION OF WELL

THE AFFIANT(S) JOHN & PAULINE BECKER  
whose mailing  
address is 4520 COUNTY RD 214  
City NEW CASTLE COLO 81647  
(STATE) (ZIP)

County GARFIELD  
SW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$ , Section 6  
Twp. 6 S, Rng. 91 W, 6 P.M.  
(N OR S) (E OR W)

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon; the well is located as described above, at distances of 2400 feet from the NORTH section line and 761 feet from the West section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 3rd day of August, 1976; the maximum sustained pumping rate of the well is 38 gallons per minute, the pumping rate claimed hereby is 38 15 <sup>JB</sup> gallons per minute; the total depth of the well is 115 feet; the average annual amount of water to be diverted is 3 <sup>JB</sup> acre-feet; for which claim is hereby made for DOMESTIC & LIVESTOCK purpose(s); the legal description of the land on which the water from this well is used is Lot 5, SE  $\frac{1}{4}$ , NW  $\frac{1}{4}$  of Sec 6, T. 6 South, R. 91 W of 6th P.R. which totals 14.80 acres and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

Signature(s) Pauline Becker John BeckerSubscribed and sworn to before me on this 21 day of October, 1976My Commission expires: June 1, 1980  
(SEAL)

Harold P. Pendergast  
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO  
PURSUANT TO THE FOLLOWING CONDITIONS:

## FOR OFFICE USE ONLY

Court Case No. \_\_\_\_\_

Prior. \_\_\_\_\_ Mo. \_\_\_\_\_ Day \_\_\_\_\_ Yr. \_\_\_\_\_

Div. 5 Cty. 23Sec. \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$ .Well Use 3Dist. 39 Basin \_\_\_\_\_ Mon. Dis. \_\_\_\_\_

DEC 15 1976

DATE

Bruce E. DeBrune  
DEPUTY STATE ENGINEER

R. A. Stallman  
BY

**COLORADO DIVISION OF WATER RESOURCES**  
300 Columbine Bldg., 1845 Sherman St., Denver, Colorado 80203

RECEIVED

OCT 17 77

WATER RESOURCES  
STATE ENGINEER  
COLO.**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed. Proper fee must be submitted with the application.

( ) A PERMIT TO USE GROUND WATER  
(X) A PERMIT TO CONSTRUCT A WELL  
FOR: (X) A PERMIT TO INSTALL A PUMP *CM*

( ) REPLACEMENT FOR NO. \_\_\_\_\_

( ) OTHER \_\_\_\_\_

**(1) APPLICANT - mailing address**

NAME JOHN BECKER  
STREET 0345 Rd 262  
CITY NEW CASTLE Colo 81647  
(State) (Zip)  
TELEPHONE NO. \_\_\_\_\_

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 56508 / \_\_\_\_\_

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action. *AW*

**(2) LOCATION OF PROPOSED WELL**

County GARFIELD  
SW 1/4 of the NW 1/4, Section 6  
Twp. 6 S, Rng. 91 W, 6 P.M.

**(3) WATER USE AND WELL DATA**

Proposed maximum pumping rate (gpm) 15  
Average annual amount of ground water to be appropriated (acre-feet): 3  
Number of acres to be irrigated: NONE  
Proposed total depth (feet): 125'  
Aquifer ground water is to be obtained from:  
GRAVELS OR SANDSTONE  
Owner's well designation \_\_\_\_\_

**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
(X) DOMESTIC (1) ( ) INDUSTRIAL (5)  
(X) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)  
( ) OTHER (9) NONE

**(4) DRILLER**

Name Mountain Drilling Co.  
Street 5062 Co Rd 113  
City Carbondale Colo 81623  
(State) (Zip)  
Telephone No. 945-5148 Lic. No. 697

**APPLICATION APPROVED**I.D. 5 W.D. 39 COUNTY 23PERMIT NUMBER 77160DATE ISSUED OCT 23 1974EXPIRATION DATE OCT 23 1976

A. W. Erker  
DEPUTY (STATE ENGINEER)  
BY Bruce E. DeBono

**Name:** John Bellio  
**Unique ID:** BELLIO1-5S92W-2  
**Address:** 2980 CR 214, Silt, CO  
**Phone:** 970-876-5016

**Date Sampled:** August 9, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



ORIGINAL

**Name:** John Bellio  
**Unique ID:** BELLIO2-5S91W-32  
**Address:** 2543 CR 214, Silt, CO  
**Phone:** 970-876-5016

**Date Sampled:** August 9, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Belio-5591w-32  
Permit=105767

WJR-26-77

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 105767

RECEIVED  
OCT 31 1979

WATER RESOURCES  
STATE ENGINEER  
AND

WELL OWNER H. John Bellio

SE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of Sec. 32

ADDRESS 2490 So. Harlan St.  
Lakewood, Co. 80227

T. 5 S. R. 91 W. 6th P.M.

DATE COMPLETED 9 - 24, 19 79

HOLE DIAMETER

8 in. from 0 to 200 ft.

       in. from        to        ft.

       in. from        to        ft.

DRILLING METHOD Cable tools

CASING RECORD: Plain Casing

Size 5" & kind plastic from 0 to 58 ft.

Size 5" & kind plastic from 78 to 180 ft.

Size        & kind        from        to        ft.

Perforated Casing

Size 5" & kind plastic from 58 to 78 ft.

Size 5" & kind plastic from 180 to 200 ft.

Size        & kind        from        to        ft.

GROUTING RECORD

Material cement & gravel

Intervals one

Placement Method 0 - 10'

GRAVEL PACK: Size none

Interval       

TEST DATA

Date Tested 9 - 23, 19 79

Static Water Level Prior to Test 192 ft.

Type of Test Pump Bailer

Length of Test 2 hrs.

Sustained Yield (Metered)       

Final Pumping Water Level 15'

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	20	Top soil	58'
20	30	Brown Clay	
30	40	Brown clay & bentonite	
40	58	Brown shale	
58	70	Sand & gravel	
70	200	Brown shale	
TOTAL DEPTH <u>200'</u>			

Use additional pages necessary to complete log.

**Name:** John Bellio  
**Unique ID:** BELLIO3-5S92W-2  
**Address:** 3204 CR 214, Silt, CO  
**Phone:** 970-876-5016

**Date Sampled:** August 9, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Deena and John Blair  
**Unique ID:** BLAIR-5S92W-36  
**Address:** 407 CR 261, Silt, CO  
**Phone:** 970-876-5091

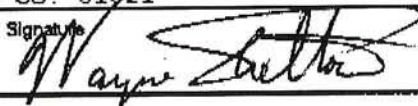
**Date Sampled:** August 1, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

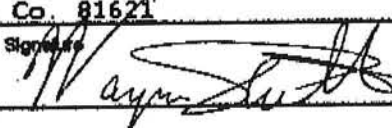
**Photos**



FORM NO. GWS-3 11/90		WELL CONSTRUCTION AND TEST REPORT		For Office Use only	
		STATE OF COLORADO, OFFICE OF THE STATE ENGINEER		RECEIVED	
1. WELL PERMIT NUMBER		042426-F		AUG 23 1993	
2. OWNER NAME(S)		Linda Graviett		WATER RESOURCES STATE ENGINEER COLO.	
Mailing Address		0407 CO RD 261			
City, St, Zip		Silt, CO 81652			
Phone ( 303 )		876-2358			
3. WELL LOCATION AS DRILLED:		NE 1/4 SE 1/4, Sec. 36 Twp. 5 S, Range 92 W			
DISTANCES FROM SEC. LINES:		2550 ft. from South Sec. line. and 280 ft. from East Sec. line. OR (north or south) (east or west)			
SUBDIVISION:		LOT BLOCK FILING(UNIT)			
STREET ADDRESS AT WELL LOCATION:					
4. GROUND SURFACE ELEVATION		+1 ft. DRILLING METHOD cabletool			
DATE COMPLETED		08/06/93 TOTAL DEPTH 120 ft. DEPTH COMPLETED 120 ft.			
5. GEOLOGIC LOG:		6. HOLE DIAM. (in.)		From (ft) To (ft)	
Depth Description of Material (Type, Size, Color, Water Location)		9"		0 30	
0-75' clay		7"		30 81	
75-120' wasatch formation		6 1/2"		81 120	
water located 100-110'		7. PLAIN CASING			
		OD (in) Kind Wall Size From(ft) To(ft)			
		7" steel .250 0 81			
		5" PVC .250 72 80			
		5" PVC .250 110 120			
		PERF. CASING: Screen Slot Size:			
		5" PVC .250 80 110			
REMARKS:		8. FILTER PACK:		9. PACKER PLACEMENT:	
		Material		Type	
		Size		Depth	
		Interval			
		10. GROUTING RECORD:			
		Material Amount Density Interval Placement			
		cement 20 gal 5-1 5-15' gravity			
11. DISINFECTION: Type HTH Amt. Used 4 TBS					
12. WELL TEST DATA:		<input type="checkbox"/> Check box if Test Data is submitted on Supplemental Form.			
TESTING METHOD		bailer			
Static Level 17 ft. Date/Time measured 08/06/93		Production Rate 15 gpm.			
Pumping level 30 ft. Date/Time measured 08/06/93		Test length (hrs.) 1.5 hrs.			
Remarks					
13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]					
CONTRACTOR Steve Shelton Drilling Inc.		Phone (303) 927-3893		Lic. No. 894	
Mailing Address PO BOX 1070 Basalt CO 81621					
Name/Title (Please type or print)		Signature		Date	
Steve Shelton/owner		STEVE SHELTON		08/09/93	

WELL COMPLETION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER				RECEIVED FOR OFFICE USE ONLY Div 5	
1. WELL PERMIT NUMBER 42426-F 94357VE				APR 21 '94 Comp 8-6-93	
2. OWNER'S NAME(S) Linda Graviett Mailing Address 0407 County Road 261 City, St Zip Silt, Co. 81652 Phone (303) 876-2358				RECEIPT # 0374958 WATER RESOURCES STATE ENGINEER COLO. AU 11/10/94 APPROVAL # GWS81-91-03 A	
3. WELL LOCATION AS DRILLED: NE 1/4 SE 1/4 Sec. 36 Twp. 5S Range 92W DISTANCE FROM SEC. LINES: 2550 Ft. From South Sec. Line. And 280 Ft. From East Sec. Line. OF SUBDIVISION: LOT BLOCK FILING (UNIT) STREET ADDRESS AT WELL LOCATION:					
4. GROUND SURFACE ELEVATION ft. DRILLING METHOD: Air Rotary DATE COMPLETED 04/04/94 TOTAL DEPTH 200 ft. COMPLETED DEPTH 180 ft.					
5. GEOLOGIC LOG:			6. HOLE DIAM. (in) FROM (ft) TO (ft)		
Depth Type of Material (Size, Color, Type and Water Located)					
120-200	Wasatch Formation		9.0	0.0	81
			6.5	81	180
			5	180	200
			7. PLAIN CASING		
			OD(in)	Kind	Wall Size From (ft) To (ft)
			7.0	Steel	0.240 0.0 81
			5.5	PVC	0.250 50 150
			PERF. CASING: Screen Slot Size:		
			5.5	PVC	0.250 150 170
WATER LOCATED: 160			8. Filter Pack		9. Packer Placement
			Material	Type	
REMARKS: Drilled under Verbal # 94-VE-077			Size		Depth
			Interval		
			10. GROUTING RECORD:		
			Material	Amount	Density
			Interval	Placement	
			cement ?	6 gal/sk	poured
11. DISINFECTION: Type HTH			Amt. Used 4 oz.		
12. WELL TEST DATA: <input type="checkbox"/> Check Box if Test Data is Submitted On Supplemental Form.					
TESTING METHOD: Air compressor					
Static Level:		ft.	Date/Time Measured	04/04/94	Production Rate 8 gpm
Pumping Level: Total		ft.	Date/Time Measured	04/04/94	Test Length (hrs) 2
Remarks:					
I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) CRS, the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)					
CONTRACTOR: Shelton Drilling Co. Phone: 303-927-4182 Lic. No. 1095					
Mailing Address: PO Box 1059 Basalt, Co. 81621					
Name / Title (Please Type or Print) Wayne Shelton / Owner			Signature 		Date 04/19/94

ORIGINAL

WELL COMPLETION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER		FOR OFFICE USE ONLY <b>RECEIVED</b>  NOV 02 '94  WATER RESOURCES STATE ENGINEER C.O.D.  APPROVAL # GWS31-91-03	
1. WELL PERMIT NUMBER 42426-F			
2. OWNER'S NAME(S) Linda Graviett Mailing Address 0407 County Road 261 City, St Zip Silt, Co. 81652 Phone (303) 876-2358			
3. WELL LOCATION AS DRILLED: NE 1/4 SE 1/4 Sec. 36 Twp. 5S , Range 92W DISTANCE FROM SEC. LINES: 2550 Ft. From South Sec. Line. And 280 Ft. From East Sec. Line. Or SUBDIVISION: LOT BLOCK FILING (UNIT) STREET ADDRESS AT WELL LOCATION:			
4. GROUND SURFACE ELEVATION ft. DRILLING METHOD: Air Rotary DATE COMPLETED 08/25/94 . TOTAL DEPTH 190 ft. COMPLETED DEPTH 180 ft.			
5. GEOLOGIC LOG:		6. HOLE DIAM. (in) FROM (ft) TO (ft)	
Depth	Type of Material (Size, Color, Type and Water Located)		
120-190	Wasatch Formation	9.0	0.0 80
		6.5	80 180
		5.	180 190
		7. PLAIN CASING	
		OD(in)	Kind Wall Size From (ft) To (ft)
		7.0	Steel 0.240 0.0 80
		5.5	PVC 0.250 10 140
		PERF. CASING: Screen Slot Size:	
		5.5	PVC 0.250 140 160
WATER LOCATED: 140+		8. Filter Pack	
		9. Packer Placement	
REMARKS: Drilled under Verbal # 94-VE-357. drilled a new well		Material Size Interval	
		Type Formation Depth 120, 140	
		10. GROUTING RECORD:	
		Material	Amount Density Interval Placement
		cement	5 sks 6 gal/sk 10-40 poured
11. DISINFECTION: Type HTH Amt. Used 4 oz			
12. WELL TEST DATA: [ ] Check Box If Test Data Is Submitted On Supplemental Form.			
TESTING METHOD: Air compressor			
Static Level: 20 ft		Date/Time Measured 08/25/94 Production Rate 10 gpm	
Pumping Level: Total ft		Date/Time Measured 08/25/94 Test Length (hrs) 2	
Remarks:			
I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(e) CRS, the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)			
CONTRACTOR: Shelton Drilling Co. Phone: 303-927-4182		Lic. No. 1095	
Mailing Address: PO Box 1059 Basalt, Co. 81621			
Name / Title (Please Type or Print) Wayne Shelton / Owner		Signature 	Date 09/06/94

ORIGINAL

**Name:** Big R Enterprises (Bob Regulski)  
**Unique ID:** BRE-6S93W-11  
**Address:** 28485 Hwy 6124, Rifle, CO  
**Phone:**

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



COLORADO DIVISION OF WATER RESOURCES  
DEPARTMENT OF NATURAL RESOURCES  
1313 SHERMAN ST., RM 818, DENVER, CO 80203  
phone - info: (303) 866-3587 main: (303) 866-3581  
fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only

Form GWS-45 (1/200

## GENERAL PURPOSE

## Water Well Permit Application

Review instructions on reverse side prior to completing form.  
The form must be completed in black ink.

## 1. Applicant Information

Name of applicant

Robert M. Regulski, Peth Holdings, L.P. & Richard N.  
Casey

Mailing address

c/o P.O. Box 9

City

Rifle

State

CO

Zip code

81650

Telephone #

970-625-2410

## 2. Type Of Application (check applicable boxes)

- ☐ Construct new well ☒ Use existing well  
☐ Replace existing well ☐ Change or increase use  
☐ Change source (aquifer) ☐ Reapplication (expired permit)  
☒ Other: amend permit to comply with decree

## 3. Refer To (if applicable)

Well permit #

051461-F

Water Court case #

00CW104/94CW003

Designated Basin Determination #

Well name or #

Regulski Well No. 2

## 4. Location Of Proposed Well

County

Garfield

SE

1/4 of the

NE

1/4

Section

11

Township

6

N or S

☐ N ☒ S

Range

93

E or W

☐ E ☒ W

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

2290

Ft. from ☒ N ☐ S

1215

Ft. from ☒ E ☐ W

For replacement wells only - distance and direction from old well to new well

feet

direction

Well location address (if applicable)

28485 Highway 6 &amp; 24, Rifle, CO

Optional: GPS well location information in UTM format

Required settings for GPS units are as follows:

Format must be UTM

Zone must be 13

Units must be Meters

Datum must be NAD27 (CONUS)

Unit must be set to true north

Were points averaged? ☐ YES ☐ NO

Northing

Easting

## 5. Parcel On Which Well Will Be Located

A. Legal Description (may be provided as an attachment):

See attached Exhibit A

B. # of acres in parcel

10.313

C. Owner

Peth Holdings, L.P.

D. Will this be the only well on this parcel? ☒ YES ☐ NO (if no - list other wells)

E. State Parcel ID# (optional):

2177-111-00-474

## 6. Use Of Well (check applicable boxes)

Attach a detailed description of uses applied for.

- ☐ Industrial ☐ Other (describe): Irrigation of 0.50  
☐ Municipal acres of landscaping; commercial; vehicle  
☒ Irrigation washing not to exceed 12 hours per day  
☒ Commercial

## 7. Well Data (proposed)

Maximum pumping rate

20

gpm

Annual amount to be withdrawn

11,046

acre-feet

Total depth

57

Aquifer

Colorado River Alluvium

## 8. Land On Which Ground Water Will Be Used

Legal Description (may be provided as an attachment):

Exhibit B

See attached

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

A. # Acres

0.50

B. Owner

Applicants

C. List any other wells or water rights used on this land:

Grand River Ditch Shares

## 9. Proposed Well Driller License #(optional):

## 10. Signature Of Applicant(s) Or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign here (Must be original signature)

See attached signature page

Date

Print name &amp; title

## Office Use Only

USGS map name

DWR map no.

Surface elev.

04/21/04

Barb w. 11

Add 155

600 Ft spacing

X-Ref

#51461-F

46041-F

Receipt area only

WE RECEIPT # 9501796

WR PERMIT # 61899-F

CWCB Tax # R005065

TOPO

MYLAR

SB5

DIV 5 WD 39 BA MD

REPORT DATE  
Thu Jul 22 10:36:41 MDT 2004

COLORADO WELL APPLICATIONS AND PERMITS  
COLORADO DIVISION OF WATER RESOURCES

Receipt 9113507  
Permit 4601

Div 5 Wd 39  
Basin Md  
Engineer User

NOV 01 2004  
Water Resources  
State of Colorado  
CDD

Full Name  
CHAMBERS GLEN  
Address

City RIFLE State CO Zip 81650  
Telephone ( ) -

Case  
Permit XRef  
Well Name  
County GARFIELD  
Q10  
Q40 NE  
Q160 SE  
Sec 11  
Ts 6 South  
Rng 93 West  
Pm Sixth

Subdivision Filing Block Lot  
Parcel Size PIN  
0.00

Uses

DOMESTIC

	Pump Rate	Ann Amt	Depth
Proposed	0.00	0.00	0
Actual	20.00	0.00	68

Irrigated Area 0.00 acres

Elevation 0

Perf Casing Top 0

Perf Casing Bottom 0

Water Level 40

Aquifer1 ALL UNNAMED AQUIFERS

Aquifer2

Driller

Pump Installer

Statute	Meter Log	Qual	AbReq
No	No	No	No

Comment

Main Activity  
Interim Status  
Last Action  
Permit Issued  
Permit Expires  
Expire Notice Sent  
Well Const Report  
Well Const Complete  
Well Report (Non-trib)  
Pump Install Report  
Pump Install Complete  
1st Beneficial Use 10-08-1959  
Statement Benef. Use  
Benef Use (Non-trib)  
Abandonment Report  
Well Plugged

**Name:** Jim and Jackie Brownson  
**Unique ID:** BROW-5S92W-32  
**Address:** 3181 CR 233, Rifle, CO  
**Phone:**

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

**Photos**

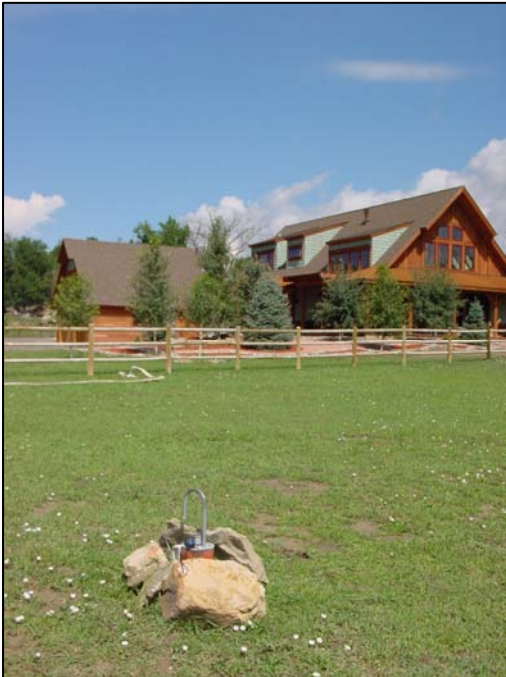


**Name:** Cedar Hills Ranch (Kent Lohse)  
**Unique ID:** CHR-6S91W-1  
**Address:** 4073 CR 214, Silt, CO  
**Phone:** 970-618-1667

**Date Sampled:** August 1, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Jim Chenowetch  
**Unique ID:** CHENO-6S91W-5  
**Address:** 6411 CR 214, Silt, CO  
**Phone:** 970-984-3161

**Date Sampled:** August 4, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Marvin Coller  
**Unique ID:** COLLER-5S91W-4  
**Address:** 7000 CR 214, New Castle, CO  
**Phone:** 970-984-2807

**Date Sampled:** August 10, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Well head under bucket



Coller - 5591W-4

WJR-26-77

WAEAD

RECEIVED

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

MAR 24 1986

WATER RESOURCES  
STATE ENGINEER  
BMO

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 119031

WELL OWNER Marvin Coller SE 1/4 of the NW 1/4 of Sec. 4  
ADDRESS P.O. Box 258, New Castle, CO T. 6 S. R. 91 W. 6th P.M.  
DATE COMPLETED February 8, 19 86

HOLE DIAMETER

7 in. from 0 to 99 ft.

6 1/2 in. from 99 to 102 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

DRILLING METHOD Cabletool

CASING RECORD: Plain Casing

Size 7" & kind Steel from 0 to 84 ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Perforated Casing

Size 7" & kind Steel from 84 to 99 ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

GROUTING RECORD

Material Cement

Intervals 5 - 15'

Placement Method Gravity

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

TEST DATA

Date Tested February 8, 19 86

Static Water Level Prior to Test 73 ft.

Type of Test Pump Bailer

Length of Test 2 Hrs.

Sustained Yield (Metered) 12 GPM

Final Pumping Water Level 79'

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	52'	Clay & Fill	
52	98'	Sand & Gravel	73'
98	102'	Wasatch Bedrock	98'
TOTAL DEPTH <u>102'</u>			

Use additional pages necessary to complete log.

**Name:** Tim Copeland (Copeland Concrete)  
**Unique ID:** COPE-6S93W-11  
**Address:** 28803 Hwy 6, Rifle, CO  
**Phone:** 970-625-8977

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Iris Copeland

**Unique ID:** COPE-6S92W-2

**Address:** 925 CR 218, Silt, CO

**Phone:** 970-876-5535

**Date Sampled:** August 4, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



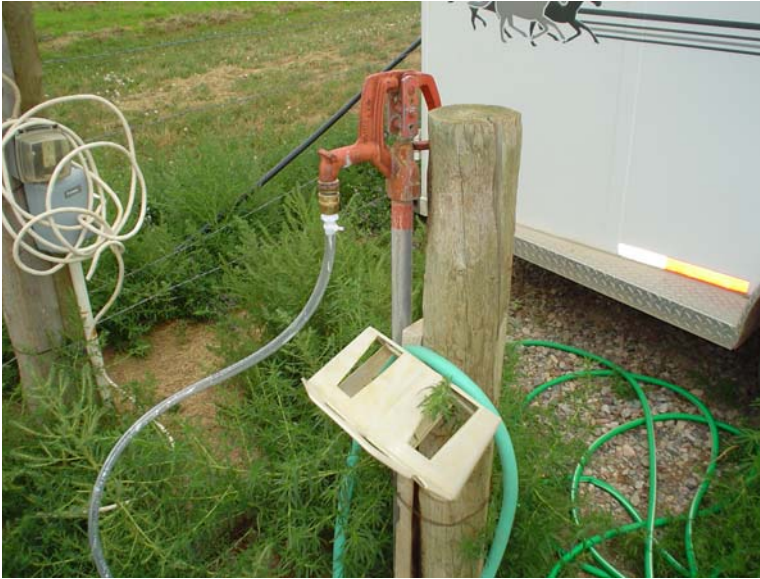
FORM NO. GWS-31 01/93		<input checked="" type="checkbox"/> <b>WELL CONSTRUCTION AND TEST REPORT</b> STATE OF COLORADO, OFFICE OF THE STATE ENGINEER		For Office Use only	
1. WELL PERMIT NUMBER <u>181155</u> <u>MH# 23983</u>		<div>RECEIVED</div> <div>NOV 25 '94</div> <div>WATER RESOURCES STATE ENGINEER GOLD</div>			
2. OWNER NAME(S) <u>Iris V Copeland</u> Mailing Address <u>1057 Dunbarby Ct RDB# 742</u> City, St. Zip <u>Siltco 81622</u> Phone ( <u>1 876-5535</u> )					
3. WELL LOCATION AS DRILLED: <u>SW</u> 1/4 <u>SW</u> 1/4, Sec. <u>2</u> Twp. <u>6</u> <u>S</u> , Range <u>92</u> <u>W</u> DISTANCES FROM SEC. LINES: <u>690</u> ft. from <u>South</u> Sec. line. and <u>1168</u> ft. from <u>West</u> Sec. line. OR (north or south) (east or west) SUBDIVISION: LOT BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION: <u>18223 124 Rd</u>					
4. GROUND SURFACE ELEVATION _____ ft. DRILLING METHOD <u>Rotary</u> DATE COMPLETED <u>9/11/94</u> TOTAL DEPTH <u>124</u> ft. DEPTH COMPLETED <u>124</u> ft.		5. GEOLOGIC LOG: Depth Description of Material (Type, Size, Color, Water Location) <u>0 - 34</u> <u>Unconsolidated sand</u> <u>34 - 92</u> <u>Boulders</u> <u>92 - 124</u> <u>Red to brown clay</u> <u>Red shale w/ fractures</u>			
		6. HOLE DIAM. (in.) From (ft) To (ft) <u>10</u> <u>0</u> <u>25</u> <u>77/8</u> <u>25</u> <u>124</u>			
		7. PLAIN CASING OD (in) Kind Wall Size From(ft) To(ft) <u>65/8</u> <u>Steel</u> <u>.203</u> <u>0+1</u> <u>25</u> <u>6</u> <u>PVC</u> <u>58440</u> <u>23</u> <u>99</u> PERF. CASING: Screen Slot Size: <u>1/2 x 6</u> <u>6</u> <u>PVC</u> <u>58440</u> <u>99</u> <u>124</u>			
		8. FILTER PACK: Material _____ Size _____ Interval _____		9. PACKER PLACEMENT: Type _____ Depth _____	
REMARKS:		10. GROUTING RECORD: Material Amount Density Interval Placement <u>Cement 5 bags</u> <u>5-1</u> <u>6-18</u> <u>Mix</u>			
11. DISINFECTION: Type <u>City Water + Chlorox</u> Amt. Used <u>1/2 Gal.</u>					
12. WELL TEST DATA: <input type="checkbox"/> Check box if Test Data is submitted on Form No. GWS 39 Supplemental Well Test. TESTING METHOD <u>Air</u> Static Level <u>86</u> ft. Date/Time measured <u>9/11</u> <u>10: AM</u> , Production Rate <u>10</u> gpm. Pumping level <u>105</u> ft. Date/Time measured <u>9/11</u> <u>5:00 PM</u> , Test length (hrs.) <u>3</u> Remarks _____					
13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.] CONTRACTOR <u>Collins Drilling Inc.</u> Phone ( ) <u>945-4079</u> Lic. No. <u>634</u> Mailing Address <u>P.O. Box 0516 Carbonate CO 81623</u> Name/Title (Please type or print) <u>F.E Collins V. Pres.</u> Signature <u>[Signature]</u> Date <u>11/15/94</u>					

**Name:** Kevin Costanzo  
**Unique ID:** COSTANZ-6S92W-6  
**Address:** 514 CR 225, Rifle, CO  
**Phone:** 970-625-2481

**Date Sampled:** August 1, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photo**



# WELL CONSTRUCTION AND TEST REPORT

## STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

FOR OFFICE USE ONLY

RECEIVED

AUG 04 2000

WELL CONSTRUCTION  
STATE ENGINEER  
COLO.

APPROVAL # GWS31-91-03

1. WELL PERMIT NUMBER 053597-F

2. Owner Name(s) : Kevin & Lynda Costanzo  
Mailing Address : 0188 County Road 226  
City, St. Zip : Rifle, Co. 81650  
Phone : (970) 625-2481

3. WELL LOCATION AS DRILLED: NW 1/4 SE 1/4 Sec. 6 Twp. 06S Range 92W  
DISTANCES FROM SEC. LINES:  
1350 ft. from South Sec. line. and 1550 ft. from East Sec. line. OR  
SUBDIVISION : Cose exemption LOT 2 BLOCK FILING(UNIT)  
STREET ADDRESS AT WELL LOCATION :

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Rotary  
DATE COMPLETED 06/15/00 TOTAL DEPTH 80 ft. DEPTH COMPLETED 80 ft.

5. GEOLOGIC LOG :		6. HOLE DIAM. (in)		FROM (ft)		TO (ft)	
Depth	Type of Material (Size, Color, and Type)	9.0		0		50	
000-033	Clays, Sand	6.5		50		80	
033-050	Gravels, Sands						
050-080	Clays, Sands	7. PLAIN CASING					
		OD (in)	Kind	Wall Size	From (ft)	To (ft)	
		7.0	Steel	0.240	-1	38	
		5.5	PVC	.250	60	80	
		PERF. CASING : Screen Slot Size :					
		7.0	Steel	.240	38	48	
		5.5	PVC	.250	40	60	
WATER LOCATED : 33 - 50  REMARKS :		8. Filter Pack			9. Packer Placement		
		Material :			Type :		
		Size :			Depth :		
		Interval :					
		10. GROUTING RECORD :					
		Material	Amount	Density	Interval	Placement	
		cement	3 sks	16 gal	10-25	poured	

WATER LOCATED : 33 - 50

REMARKS :

11. DISINFECTION : Type : HTH

Amt. Used : 3 oz.

12. WELL TEST DATA : [ ] Check Box If Test Data is Submitted On Supplemental Form.

TESTING METHOD : Air Compressor

Static Level : 18 ft. Date/Time Measured : 06/15/2000 Production Rate : 15 gpm.

Pumping Level : Total ft. Date/Time Measured : 06/15/2000 Test Length : 2 hrs.

Remarks :

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR : Shelton Drilling Corp.  
Mailing Address : P.O. Box 1059 Basalt, CO. 81621

Phone : (970) 927-4182  
Lic. No. 1085

Name / Title (Please Type or Print)  
Wayne Shelton / President

Signature

Date 06/16/00

ORIGINAL

**Name:** Frances Coulter  
**Unique ID:** COULTER-5S92W-34  
**Address:** 4487 CR 233, Rifle, CO  
**Phone:** 970-625-2664

**Date Sampled:** August 7, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Bob Elderkin  
**Unique ID:** ELDERKIN-5S91W-30  
**Address:** 1513 CR 250, Silt, CO  
**Phone:** 970-876-2295

**Date Sampled:** August 1, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



*WAE MW*

2-9-87

**COLORADO DIVISION OF WATER RESOURCES**

1313 Sherman Street - Room 818  
Denver, Colorado 80203

**RECEIVED**

MAR 12 1987

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

**WELL COMPLETION AND PUMP INSTALLATION REPORT**PERMIT NUMBER 118740-A

**WATER RESOURCES**  
**STATE ENGINEER**  
**COLORADO**

WELL OWNER Bob ElderkinSW 1/4 of the SE 30 of Sec.ADDRESS 1513 Road 250 Silt, Co. 81652T. 5 S. 91 W. 6 P.M.DATE COMPLETED 1/7, 19 87

HOLE DIAMETER

9 in. from 0 to 45 ft.6 1/2 in. from 45 to 400 ft.       in. from        to        ft.DRILLING METHOD Air RotaryCASING RECORD: Plain CasingSize 7 & kind Steel from 0 to 45 ft.Size 5 1/2 & kind PVC from 40 to 340 ft.Size        & kind        from        to        ft.Perforated CasingSize 5 1/2 & kind PVC from 340 to 400 ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## GROUTING RECORD

Material cementIntervals 10-20Placement Method GravityGRAVEL PACK: Size       Interval       

## TEST DATA

Date Tested 1/7, 19 87Static Water Level Prior to Test 40 ft.Type of Test Pump Air compressorLength of Test 2 hoursSustained Yield (Metered) 10+Final Pumping Water Level total**WELL LOG**

From	To	Type and Color of Material	Water Loc.
00	40	topsoil	
40	400	wasatch Formation	360
TOTAL DEPTH <u>400</u>			

Use additional pages necessary to complete log.

**Name:** Richard and Ester Fazzi  
**Unique ID:** FAZZI-5S91W-32  
**Address:** 1740 CR 214, Silt, CO  
**Phone:** 970-876-2258

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Scott Fields

**Unique ID:** FIELDS-6S93W-1

**Address:** 2492 CR 210, Rifle, CO

**Phone:** 970-625-3244

**Date Sampled:** August 14, 2006

**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Ardis Green

**Unique ID:** GREEN-6S93W-11

**Address:** 603 CR 221, Rifle, CO

**Phone:** 970-625-1922

**Date Sampled:** August 2, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Green-6573W-11

40-0

W.R.J.S. Rev. 76

COLORADO DIVISION OF WATER RESOURCES  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

## PERMIT APPLICATION FORM

RECEIVED

RECEIVED

MAR 08 '93

JUN 09 '93

WATER RESOURCES  
STATE ENGINEER  
COLO.WATER RESOURCES  
STATE ENGINEER  
COLO.

Application must  
be complete where  
applicable. Type or  
print in **BLACK**  
**INK**. No overstrikes  
or erasures unless  
initialed.

( ) PERMIT TO USE GROUND WATER  
( ) PERMIT TO CONSTRUCT A WELL  
FOR: ( ) PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. \_\_\_\_\_

( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

170888

## (1) APPLICANT - mailing address

NAME George D. & Ardis A. Green  
STREET 0603 County Road 221  
CITY Rifle, CO 81650  
(State) (Zip)  
TELEPHONE NO. (303) 625-1922

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 349922

Basin \_\_\_\_\_

Dist. \_\_\_\_\_

## CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause  
no material injury to existing water rights. The  
issuance of the permit does not assure the applicant  
that no injury will occur to another vested water  
right or preclude another owner of a vested water  
right from seeking relief in a civil court action.

2800 South  
1100 East

A. H. 5/25/93

plotted ✓

(40-0)

103408 - L.R.

1150 N  
575 E

## APPLICATION APPROVED

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 5COUNTY 23

39

## (2) LOCATION OF PROPOSED WELL

County Garfield  
SE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$ , Section 11  
Twp. 6 S., Rng. R3 W., 6th P.M.  
(N.S.) (E.W.)

## (3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 15Average annual amount of ground water  
to be appropriated (acre-feet): 3.0Number of acres to be irrigated: oneProposed total depth (feet): 150

Aquifer ground water is to be obtained from:

Alluvium Trib to Colorado River

Owner's well designation \_\_\_\_\_

## GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)

( ) DOMESTIC (1)

( ) LIVESTOCK (2)

( ) COMMERCIAL (4)

( ) INDUSTRIAL (5)

( ) IRRIGATION (6)

( ) MUNICIPAL (8)

( ) OTHER (9) \_\_\_\_\_

DETAIL THE USE ON BACK IN (11)

## (4) DRILLER

Name Colorado LicensedStreet DrillerCity \_\_\_\_\_  
(State) (Zip)

Telephone No. \_\_\_\_\_ Lic. No. \_\_\_\_\_

**Name:** Judy and Darrell Green  
**Unique ID:** GREEN-6S93W-1  
**Address:** 1009 CR 223, Rifle, CO  
**Phone:** 970-625-3852

**Date Sampled:** July 31, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** Yes

#### Photos



FORM NO.  
GWS-31  
11/90

WELL CONSTRUCTION AND TEST REPORT  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

RECEIVED

OCT 10 1995

WATER RESOURCES  
STATE ENGINEER  
C.O.D.

1. WELL PERMIT NUMBER 115082

2. OWNER NAME(S) Darrell Green  
Mailing Address 1009 County Rd. 223  
City, St. Zip Rifle, Colo 81650  
Phone (970) 625-3582

3. WELL LOCATION AS DRILLED: SW 1/4 NW 1/4, Sec. 1 Twp. 6 S, Range 93 West 64  
DISTANCES FROM SEC. LINES:  
3600 ft. from South Sec. line, and 1100 ft. from West Sec. line. OR  
(north or south) (east or west)  
SUBDIVISION: LOT BLOCK FILING(UNIT)  
STREET ADDRESS AT WELL LOCATION: 1009 County Rd 223

4. GROUND SURFACE ELEVATION 5550 ft. DRILLING METHOD Cable Tool  
DATE COMPLETED 8-28-80 TOTAL DEPTH 95 ft. DEPTH COMPLETED 98 ft.

5. GEOLOGIC LOG:  
Depth Description of Material (Type, Size, Color, Water Location)

0-5 Black Topsoil  
5-11 Quicksand  
11-18 Soft Sandy Clay  
18-24 Clay & Gravel  
24-40 "  
40-43 Hard Clay & Gravel  
43-50 Clay, Gravel & Sand  
50-54 Red Clay  
54-58 Gray Clay  
58-70 Gray Clay & gravels - packed  
70-98 Clay sand & gravels -

Water located at 70-95'

98' Wasatch Formation

REMARKS:

6. HOLE DIAM. (in.) From (ft) To (ft)  
70" 0 30  
70" 30 98

7. PLAIN CASING  
OD (in) Kind Wall Size From (ft) To (ft)  
7 Steel .250 0 35  
6" PVC .250 40 55  
.250 55 75  
PERF. CASING: Screen Slot Size: .125 slots  
7 Steel .250 35 49'9"  
PVC .250 40 45  
5" PVC .125 75 95

8. FILTER PACK:

Material none  
Size  
Interval

9. PACKER PLACEMENT:

Type none  
Depth

10. GROUTING RECORD:

Material Amount Density Interval Placement  
Neat 1 gal. 14 7-30 Tremie  
Cement

11. DISINFECTION: Type 70% GTH Amt. Used 3 ounces

12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.

TESTING METHOD Bailer

Static Level 45 ft. Date/Time measured August 1980 Production Rate 9 gpm.

Pumping level 75 ft. Date/Time measured August 1980 Test length (hrs.) 2 hrs

Remarks

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR Darrell Sorensen Phone (970) 876-5469 Lic. No. 1027

Mailing Address P.O. Box 382 Silt Colo

Name/Title (Please type or print)

Signature

Darrell Sorensen - Contractor

Darrell Sorensen

Date 2nd Comp.  
Report  
9-27-95

**Name:** T.J. Guccini  
**Unique ID:** GUCCINI-6S91W-5  
**Address:** 6070 CR 214, Silt, CO  
**Phone:** 970-984-3444

**Date Sampled:** August 7, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Gully Ventures (Joyce Hulslander)  
**Unique ID:** GULLYVENTURES-6S92W-9  
**Address:** 32339 Hwy 6, Silt, CO  
**Phone:** 970-945-8314

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Amber and Phil Hinkle  
**Unique ID:** HINKLE-6S92W-4  
**Address:** 573 CR 229, Silt, CO  
**Phone:** 970-640-0154

**Date Sampled:** August 8, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Well head in well house

**Name:** Richard Holsan  
**Unique ID:** HOLSAN-6S91W-6  
**Address:** 4773 CR 214, Silt, CO  
**Phone:** 970-379-1460

**Date Sampled:** August 10, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Holsan-6592w-6

## COLORADO DIVISION OF WATER RESOURCES

101 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 72678

RECEIVED

JUL 08 74

WATER RESOURCES  
STATE ENGINEER  
COLO.

WELL OWNER GORDEN E. + LINDA M. HOY SE 1/4 of the NW 1/4 of Sec. 6  
Rt. 1 Rifle Colo. T. 6 S, R. 91 W, 6TH P.M.  
 DATE COMPLETED MAY 31, 1974

## HOLE DIAMETER

6 3/4 in. from 0 to 100 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

## WELL LOG

From	To	Type and Color of Material	Water Loc.
<u>0</u>	<u>30</u>	<u>OVER BURDEN + SANDSTONE Boulders</u>	
<u>30</u>	<u>100</u>	<u>SANDSTONE</u>	<u>80'</u>
TOTAL DEPTH <u>100'</u>			

Use additional pages necessary to complete log.

## CASING RECORD: Plain Casing

Size 5 1/2 & kind 0250 from 0 to 80 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 5 1/2 & kind 0250 from 80 to 100 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material CEMENTIntervals 6' - 35'Placement Method POUR

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

## TEST DATA

Date Tested MAY 31, 1974Static Water Level Prior to Test 50' ft.Type of Test Pump BAILERLength of Test 2 HRSSustained Yield (Metered) 20 GPMFinal Pumping Water Level 75'

**Name:** Norma Hughes  
**Unique ID:** HUGHES-6S91W-4  
**Address:** 6599 CR 214, Silt, CO  
**Phone:** 970-984-3780

**Date Sampled:** August 3, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Ken Kriz  
**Unique ID:** KRIZ-6S93W-10  
**Address:** Rifle  
**Phone:** 970-945-8149

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



FORM NO.  
GWS-32  
10/84

**PUMP INSTALLATION AND TEST REPORT**  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use Only

OCT 24 2004

1. WELL PERMIT NUMBER 60288 F

2. OWNER NAME(S) KEN KRIZ  
Mailing Address 0483 Co Rd 167  
City, St. Zip Glenwood Spgs Co 81601  
Phone (970) 945-8149

3. WELL LOCATION AS DRILLED: S1/4 1/4 SE 1/4, Sec. 10 Twp. 6 S, Range 93W 6 Tb  
DISTANCES FROM SEC. LINES:  
150 ft. from South Sec. line. and 1380 ft. from EAST Sec. line.  
(North or South) (East or West)  
SUBDIVISION: \_\_\_\_\_ LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING(UNIT) \_\_\_\_\_  
STREET ADDRESS AT WELL LOCATION: \_\_\_\_\_

4. PUMP DATA: Type SUBMERSIBLE Installation Completed 7/26/04  
Pump Manufacturer GOULDs Pump Model No. 106305422  
Design GPM 10 at RPM 3450, HP 1/2, Volts 230, Full Load Amps 4.6  
Pump Intake Depth 135 Feet, Drop/Column Pipe Size 1" inches, Kind Sch 80 PVC

ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM:

TURBINE DRIVER TYPE: ☐ Electric ☐ Engine ☐ Other \_\_\_\_\_  
Design Head \_\_\_\_\_ feet, Number of Stages \_\_\_\_\_, Shaft size \_\_\_\_\_ inches.

5. OTHER EQUIPMENT:

Airline Installed ☐ Yes ☐ No, Orifice Depth ft. \_\_\_\_\_, Monitor Tube Installed ☐ Yes ☐ No, Depth ft. \_\_\_\_\_  
Flow Meter Mfg. HAYS Meter Serial No. 40306324  
Meter Readout ☒ Gallons, ☐ Thousand Gallons, ☐ Acre feet, ☐ Beginning Reading 0

6. TEST DATA:

☐ Check box if Test data is submitted on Supplemental Form.

Date 3/10/04  
Total Well Depth 140 Time 3 HR  
Static Level 5' 4" Rate (GPM) 3.5  
Date Measured 3/10/04 Pumping Lvl. 130'

7. DISINFECTION: Type CHLOROX Amt. Used 1/2 cup

8. Water Quality analysis available. ☐ Yes ☐ No

9. Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.  
[Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Jdm Pump Inc Phone 970 945-6159 Lic. No. 1196  
Mailing Address 8611-117 Rd Glenwood spgs Co 81601

Name/Title (Please type or print)

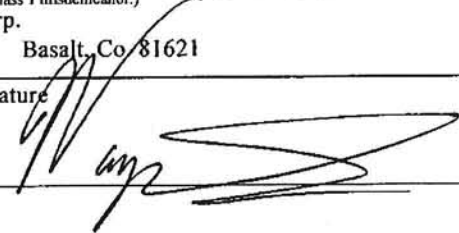
Signature

Date

RICHARD A Holub President

Richard A Holub

9/20/04

WELL CONSTRUCTION AND TEST REPORT				FOR OFFICE USE ONLY				
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER								
1.	<b>WELL PERMIT NUMBER</b>			60288-F				
2.	Owner Name(s): Ken Kriz Mailing Address: 0483 County Road 167 City, State, Zip : Glenwood Springs, Co. 81601 Phone # : 970-945-8149			<div style="font-size: 1.2em;">RECEIVED</div> <div style="font-size: 1.2em;">FEB 02 2004</div> <div style="font-size: 0.8em;">WATER RESOURCES STATE ENGINEER COLORADO</div> <div style="font-size: 1.5em; margin-top: 10px;">95 01591</div> <div style="font-size: 0.8em;">APPROVAL # GWS31-91-03</div>				
3.	<b>WELL LOCATION AS DRILLED</b> DISTANCES FROM SEC. LINES      SW 1/4      SE 1/4      Sec: 10      Twp: 6 S      Range: 93 W 150 ft. from South Sec. line and 1380 ft. from East Sec. line OR      Northing:      Easting: SUBDIVISION:      LOT:      BLOCK:      FILING (UNIT): STREET ADDRESS AT LOCATION							
4.	GROUND SURFACE ELEVATION      ft.			DRILLING METHOD Air Rotary				
	DATE COMPLETED: 10/22/2003			TOTAL DEPTH: 140		DEPTH COMPLETION: 140		
5.	<b>GEOLOGIC LOG</b>			6. HOLE DIAMETER (in)	FROM (ft)		TO (ft)	
	Depth	Type of Material (Size, Color, and Type)		9.0	0		40	
	000-011	Gravels, Cobbles		6.5	40		140	
	011-140	Wasatch Formation						
				<b>7. PLAIN CASING</b>				
				OD (in)	Kind	Wall Size	From (ft)      To (ft)	
				7.0	Steel	0.240	-1      40	
				5.5	PVC	0.250	20      40	
				5.5	PVC	0.250	80      140	
				<b>PERF. CASING : Screen Slot Size</b>				
				5.5	PVC	0.250	40      80	
	Water Located: 40 - 80  Remarks :			<b>8. Filter Pack</b> Material : Size : Interval :		<b>9. Packer Placement</b> Type : Depth :		
				<b>10. GROUTING RECORD</b>				
				Material	Amount	Density	Interval	Placement
				Cement	5 sks	6 gal/sk	10-40	poured
11. DISINFECTION :      Type :      HTH				Amt. Used :      4      oz.				
12. WELL TEST DATA : ( ) Check Box If Test Data Is Submitted On Supplemental								
TESTING METHOD :      Air Compressor								
Static Level :      15      ft.		Date/Time Measured      10/22/2003		Production Rate      3      gpm				
Pumping Level :      Total      ft.		Date/Time Measured      10/22/2003		Test Length :      2 hours				
Test Remarks :								
13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-1-4 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.) <b>CONTRACTOR : Shelton Drilling Corp.</b> Mailing Address :      P.O. Box 1059      Basalt, Co. 81621 <div style="text-align: right;">Phone : (970) 927-4182 Lic. No. 1095</div>								
Name / Title (Please Type or Print)			Signature			Date		
Wayne Shelton / President						10/30/2003		

ORIGINAL

**Name:** Mary and Robert Layman  
**Unique ID:** LAYMAN-5S92W-25  
**Address:** 403 CR 250, Silt, CO  
**Phone:** 970-876-0906

**Date Sampled:** August 9, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Well house



**Name:** Darrell Lowdermilk  
**Unique ID:** LOWD-5S92W-33  
**Address:** 313 Roundtree Road, Rifle, CO  
**Phone:** 970-625-2680

**Date Sampled:** August 4, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



Well inside wishing well

# WELL CONSTRUCTION AND TEST REPORT

## STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

FOR OFFICE USE ONLY

RECEIVED

NOV 14 2005

WATER RESOURCES  
STATE ENGINEER  
COLO.

APPROVAL # GWS31-91-03

1. WELL PERMIT NUMBER 107876-A

2. Owner Name(s): Darrell Lowdermilk  
Mailing Address: P.O. Box 945  
City, State, Zip : Rifle, Co. 81650  
Phone # :

3. WELL LOCATION AS DRILLED NW 1/4 SE 1/4 Sec: 33 Twp: 5 S Range: 92 W  
DISTANCES FROM SEC. LINES  
1702 ft. from South Sec. line and 1591 ft. from East Sec. line OR Northing: Easting:  
SUBDIVISION: Antlers Orchard LOT: 46 BLOCK: FILING (UNIT):

4. STREET ADDRESS AT LOCATION  
GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Rotary  
DATE COMPLETED: 10/11/2005 TOTAL DEPTH: 123 DEPTH COMPLETION: 123

5.	GEOLOGIC LOG		6. HOLE DIAMETER (in)		FROM (ft)		TO (ft)	
Depth	Type of Material (Size, Color, and Type)		9.0		0		50	
000-032	Dddirt, Clays		6.5		50		123	
032-123	Wasatch Formation							
			7. PLAIN CASING					
			OD (in)	Kind	Wall Size	From (ft)	To (ft)	
			7.0	Steel	0.240	-1	50	
			5.5	PVC	0.250	40	60	
			5.5	PVC	0.250	100	123	
			PERF. CASING : Screen Slot Size					
			5.5	PVC	0.250	60	100	

Water Located: 60+

Remarks :

8. Filter Pack  
Material :  
Size :  
Interval :

9. Packer Placement  
Type :  
Depth :

### 10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
Cement	5 sks	6 gal/sk	10-40	poured

11. DISINFECTION : Type : HTH

Amt. Used : 4 oz.

12. WELL TEST DATA : ( ) Check Box If Test Data Is Submitted On Supplemental

TESTING METHOD : Air Compressor

Static Level : 25 ft.

Date/Time Measured 10/11/2005

Production Rate 15 gpm

Pumping Level : Total ft.

Date/Time Measured 10/11/2005

Test Length : 2 hours

Test Remarks :

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-1-4 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR : Shelton Drilling Corp.

Phone : (970) 927-4182

Mailing Address : P.O. Box 1059

Basalt, Co. 81621

Lic. No. 1095

Name / Title (Please Type or Print)

Signature

Date

Wayne Shelton / President

10/13/2005

ORIGINAL

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

# COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 107876

RECEIVED

JUL 17 1981

WATER RESOURCES  
STATE ENGINEER  
COLO.

WELL OWNER Darrell L. Lowdermilk

#23 Anvil Points

ADDRESS Rifle, Colorado 81650

DATE COMPLETED June 15, , 1981

E 1/2 SE 1/4 of the E 1/2 SW 1/4 of Sec. 33

T. 5 S. , R. 92 W. , 6th P.M.

### HOLE DIAMETER

8 in. from 0 to 60 ft.

6 in. from 60 to 125 ft.

       in. from        to        ft.

DRILLING METHOD Air Rotary

CASING RECORD: Plain Casing

Size 6" & kind PVC from 0 to 60 ft

Size 4" & kind PVC from 0 to 105 ft

Size        & kind        from        to        ft

### Perforated Casing

Size 4" & kind PVC from 105 to 125 ft

Size        & kind        from        to        ft

Size        & kind        from        to        ft

### GROUTING RECORD

Material Cement

Intervals 5' to 60'

Placement Method Tremie

GRAVEL PACK: Size       

Interval       

### TEST DATA

Date Tested June 15, , 1981

Static Water Level Prior to Test        ft

Type of Test Pump Drill Stem Recovery

Length of Test 2 hr.

Sustained Yield (Metered) + 10 gpm

Final Pumping Water Level 105'

### WELL LOG

From	To	Type and Color of Material	Water Loc.
0	10'	Soil Clay & Sand	
10	15	Clay, Sand & Gravel	
15	50	Clay & Sand/Some Gravel	
50	60	Soft SS/Some Clay	
60	80	S.S. Gray Med. Grain	
80	90	Brn. Shaley Siltstone	
90	120	Brn. S.S./Shaley Seams	
120	125	S.S. Med. Gray	
TOTAL DEPTH <u>      </u>			

Use additional pages necessary to complete log.

RECEIVED

Form No. GWS-09 6/2003  
**STATE OF COLORADO**  
**OFFICE OF THE STATE ENGINEER**  
 821 Centennial Bldg., 1313 Sherman St., Denver, CO 80203  
 (303) 866-3581 Fax (303) 866-3589

For Office Use Only

JAN 09 '06

RECEIVED

WATER RESOURCES  
 STATE ENGINEER  
 GLENWOOD

JAN 12 2006

WATER RESOURCES  
 STATE ENGINEER  
 COLO.

# WELL ABANDONMENT REPORT

Type or print in black ink.

Well Permit Number of the well being plugged 107876

Individual/Company responsible for plugging and sealing the well:

NAME(S) Darrell Lowdermilk  
 Mailing Address P.O. Box 945  
 City, St. Zip Rifle CO. 81650  
 Phone (970) 625-2680

ACTUAL WELL LOCATION:

County GARFIELD

Property Address 0313 Round Tree Rd. Rifle CO. 81650 (City) (State) (Zip)  
 (Address)

NW 1/4 of the SE 1/4, Sec. 33, Twp. 5 ☐ N. or ☒ S., Range 92 ☐ E. or ☒ W., 6<sup>th</sup> P.M.

Distance from Section Lines 210 Ft. From ☐ N. or ☒ S., 280 Ft. From ☒ E. or ☐ W. Line.

Subdivision Name ANTLERS Development Corp. Lot 46, Block \_\_\_\_\_, Filing/Unit \_\_\_\_\_

I (we) report that an existing well was plugged and sealed for the following reason(s):

- ☒ The well was plugged and sealed as required under Well Permit Number 107876-A
- ☐ The well was not in use and was plugged and sealed.
- ☒ Other (please explain) This well quit producing and another one was drilled.

The date the well was plugged according to the Water Well Construction Rules was 11-15-05

The well was plugged with the following materials placed at the indicated intervals:

Amount and Type of Material	Method of Placement	Interval
<u>1.2 cu/ft Concrete</u>	<u>by hand</u>	from <u>0</u> feet to <u>6</u> feet
<u>3/8" Gravel</u>	<u>by hand</u>	from <u>6</u> feet to <u>56</u> feet
<u>3/4" Gravel</u>	<u>by hand</u>	from <u>56</u> feet to <u>125</u> feet
		from _____ feet to _____ feet
		from _____ feet to _____ feet

Intervals of casing removed/ripped in feet

I (we) have read the statements made herein, know the contents thereof, and that they are true to my (our) knowledge.

Please print the Signer's Name & Title

Darrell Lowdermilk owner

Signature(s)

Darrell Lowdermilk

Date

11/29/05

It is the responsibility of the well owner to have the well properly plugged and sealed. The Well Construction Contractor is responsible for notifying the owner of this requirement.

**Name:** Doug and Sue Lyons  
**Unique ID:** LYONS-5S91W-31  
**Address:** 2160 CR 250, Silt, CO  
**Phone:** 970-876-5803

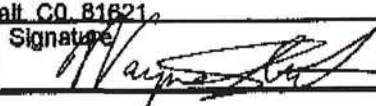
**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Lyons - 5891W-31

WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER				FOR OFFICE USE ONLY RECEIVED		
1. WELL PERMIT NUMBER <b>MM-20024-47094-F</b>				<b>JUN 05 1996</b>  WATER RESOURCES STATE ENGINEER COLORADO  APPROVAL # GWS31-91-03		
2. Owner Name(s) : Russell Rauman Mailing Address : 2158 County Road 250 City, St. Zip : Silt, Co. 81652 Phone : (970) 878-2991						
3. WELL LOCATION AS DRILLED: NE 1/4 NE 1/4 Sec. 31 Twp. 05S Range 91W DISTANCES FROM SEC. LINES: ft. from Sec. line. and ft. from asa Sec. line. OR SUBDIVISION : Rauman Exemption LOT BLOCK FILING(UNIT) STREET ADDRESS AT WELL LOCATION :						
4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Rotary DATE COMPLETED 05/15/96 TOTAL DEPTH 155 ft. DEPTH COMPLETED 155 ft.						
5. GEOLOGIC LOG :		6. HOLE DIAM. (in)		FROM (ft) TO (ft)		
Depth	Type of Material (Size, Color, and Type)	9.0		0 59		
000-010	Topsoil	6.5		59 155		
010-029	Clays, Shales					
029-155	Wasatch Formation					
		7. PLAIN CASING				
		OD (in)	Kind	Wall Size	From (ft) To (ft)	
		7.0	Steel	0.240	-1 50	
		5.5	PVC	0.240	55 115	
		PERF. CASING : Screen Slot Size :				
		7.0	Steel	.240	50 59	
		5.5	PVC	.250	115 155	
WATER LOCATED : 50, 125  REMARKS :		8. Filter Pack		9. Packer Placement		
		Material :		Type :		
		Size :		Depth :		
		Interval :				
		10. GROUTING RECORD :				
		Material	Amount	Density	Interval	Placement
		cement	3 sks	16 gal	10-30	poured
11. DISINFECTION : Type : HTH				Amt. Used : 3 oz.		
12. WELL TEST DATA : <input type="checkbox"/> Check Box If Test Data is Submitted On Supplemental Form.						
TESTING METHOD : Air Compressor						
Static Level : 40 ft.		Date/Time Measured : 05/15/96		Production Rate : 15 gpm.		
Pumping Level : Total ft.		Date/Time Measured : 05/15/96		Test Length : 2 hrs.		
Remarks :						
13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)						
CONTRACTOR : Shelton Drilling Corp.				Phone : (970) 927-4182		
Mailing Address : P.O. Box 1059 Basalt, CO. 81621				Lic. No. 1095		
Name / Title (Please Type or Print)		Signature		Date		
Wayne Shelton / President				05/29/96		

ORIGINAL

**Name:** David Martin

**Unique ID:** MARTIN-6S91W-5

**Address:** 5818 CR 214, New Castle, CO

**Phone:** 970-984-0548

**Date Sampled:** August 7, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Craig Peterson (Meadow Gold Dairy)  
**Unique ID:** MGD-6S93W-1  
**Address:** 836 CR 210, Rifle, CO  
**Phone:** 970-625-3756

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Mike Mello  
**Unique ID:** MELLO-5S92W-25  
**Address:** 896 CR 266, Silt, CO  
**Phone:** 970-876-2148

**Date Sampled:** August 8, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

RECEIVED

SEP 02 1982

WATER RESOURCES  
STATE - ENGINEER  
COLD.THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 126342WELL OWNER MIKE MELLOW SE ¼ of the SE ¼ of Sec. 26ADDRESS 2777 CROSSROADS BLVD, GRAND JUNCTION 5 S, R. 92 W, 6 P.M.DATE COMPLETED 7/25, 19 82 HOLE DIAMETER7 in. from 0 to 200 ft.       in. from        to        ft.       in. from        to        ft.DRILLING METHOD CABLE TOOLCASING RECORD: Plain CasingSize 7" & kind STEEL from 0 to 65' ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## Perforated Casing

Size 7" & kind STEEL from 65 to 92 ft.Size 5" & kind PLASTIC from 80 to 200 ft.Size        & kind        from        to        ft.

## GROUTING RECORD

Material CEMENTIntervals 5' TO 15'Placement Method GRAVITYGRAVEL PACK: Size       Interval       

## TEST DATA

Date Tested 7/25, 19 82Static Water Level Prior to Test 55' ft.Type of Test Pump BAILERLength of Test 3 HOURSSustained Yield (Metered) 5 G.P.M.Final Pumping Water Level 105'

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	90	OVERBURDEN	90
90	200	CLAY WITH SANDSTONE STRINGS	1 200
TOTAL DEPTH <u>200</u>			

Use additional pages necessary to complete log.

**Name:** Robert and Karen Miller  
**Unique ID:** MILLER-5S92W-34  
**Address:** 520 CR 259, Rifle, CO  
**Phone:** 970-625-0545

**Date Sampled:** August 7, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

#### Photos



Well head in back pasture

Miller - 5592w-34

WJR-26-77

WAE MW

RECEIVED

MAR 16 1987

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WITHIN 30 DAYS OF COMPLETION  
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## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER ~~29788-F~~ 36072-F

WATER RESOURCES  
STATE - COLORADO  
2010

WELL OWNER BARK, Ltd. Partnership SW 1/4 of the NW 1/4 of Sec. 34  
ADDRESS PO Box 1360, Rifle, Co., 81650 T. 5 S. R. 92 W. 6 P.M.  
DATE COMPLETED Jan. 23, 1987

## HOLE DIAMETER

8" in. from 0 to 20 ft.6" in. from 20 to 300 ft.

in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

DRILLING METHOD Air Rotary

CASING RECORD: Plain Casing

Size 6" & kind Steel from +1 to 20 ft.Size 4" & kind PVC from 6' to 260 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 4" & kind PVC from 260 to 300 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material CementIntervals 6' to 20'Placement Method TremieGRAVEL PACK: Size None

Interval \_\_\_\_\_

## TEST DATA

Date Tested Jan. 23, 1987Static Water Level Prior to Test 28 ft.Type of Test Pump Elec. SubmersibleLength of Test 4 hrsSustained Yield (Metered) 7.5 G.P.M.Final Pumping Water Level 250

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	8'	Dirt, Clay, + Rock Fragments	Trace
8'	15'	Brown S.S.	60'
15'	35'	Gray S.S., Fine Gr.	25'
35'	100'	Shaley S.S., Reddish Shale	20'
100'	145'	Gray S.S.	Water Make
145'	180'	Gray + Reddish S.S.	260'
180'	255'	Gray S.S.	270'
255'	300'	Gray + Brn. S.S.	
TOTAL DEPTH <u>300'</u>			

Use additional pages necessary to complete log.

**Name:** Nathan Moen

**Unique ID:** MOEN-6S92W-6

**Address:** 1101 CR 227, Rifle, CO

**Phone:** 970-625-0776

**Date Sampled:** August 10, 2006

**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Steve Murphy  
**Unique ID:** MURPH-6S92W-6  
**Address:** 854 Antlers Lane, Rifle, CO  
**Phone:** 970-625-4067

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Dale and Julie Nesbit  
**Unique ID:** NESBIT-6S92W-5  
**Address:** 594 CR 216, Rifle, CO  
**Phone:** 970-625-9246

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Well head in pasture

nesbid-6592w-5

JUL 22 1970

WRJ-25-69

Index No. 2116  
 IDWD I-64  
 Use 2  
 Registered \_\_\_\_\_

STATE OF COLORADO  
 DIVISION OF WATER RESOURCES  
 OFFICE OF THE STATE ENGINEER

MAP AND STATEMENT FOR WATER WELL FILING

PERMIT NUMBER 41511

JUN 23 1970  
 GROUND WATER SECT.  
 COLORADO  
 STATE ENGINEER

STATE OF COLORADO )  
 COUNTY OF \_\_\_\_\_ ) SS

Know all men by these presents: That the undersigned

Geo. Hettinger

claimant(s), whose address is \_\_\_\_\_

City Merino, Colorado, states:

Claimant(s) is (are) the owner(s) of the well described hereon; the

total number of acres of land irrigated from this well is \_\_\_\_\_;

work was commenced on this well by actual construction 10th

day of June, 19 70;

the yield from said well is 25 (gpm), for

which claim is hereby made for Stockwell purposes;

that the average annual amount of water to be diverted is

\_\_\_\_\_ acre-feet; and that the aforementioned

statements are made and this map and statement are filed in

compliance with the law.

X  
 Claimant(s)

Subscribed before me on this \_\_\_\_\_ day of

\_\_\_\_\_, 19 \_\_\_\_\_

My commission expires \_\_\_\_\_

Notary Public \_\_\_\_\_

WELL DATA

Date Completed June 10, 1970

Static Water Level 5'

Total Depth 57'

WELL LOCATION

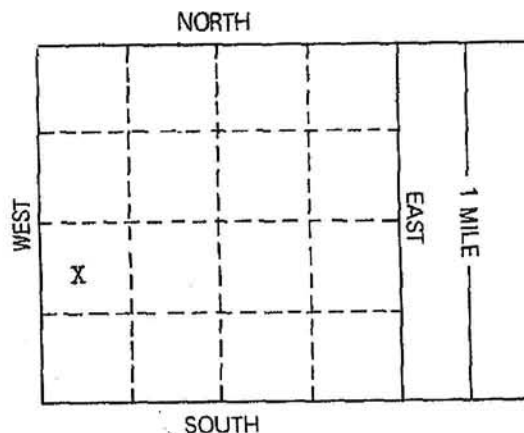
38

Logan County

NW  $\frac{1}{4}$  of SW  $\frac{1}{4}$ , sec. 17

T. 6N R. 53W 6th P.M.

INDICATE WELL LOCATION ON DIAGRAM



WELL SHALL BE LOCATED WITH REFERENCE TO  
 GOVERNMENT SURVEY CORNERS OR MONUMENTS,  
 OR SECTION LINES BY DISTANCE AND BEARING.

\_\_\_\_\_ ft. from \_\_\_\_\_ section line.  
 (North or South)

\_\_\_\_\_ ft. from \_\_\_\_\_ section line.  
 (East or West)

Ground Water Basin \_\_\_\_\_

Water Management  
 District \_\_\_\_\_

Domestic wells may be located by the following:

LOT \_\_\_\_\_, BLOCK \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

FILING # \_\_\_\_\_

ACCEPTED FOR FILING IN THE OFFICE OF THE STATE ENGINEER OF COLORADO ON THIS

\_\_\_\_\_ DAY OF \_\_\_\_\_, 19 \_\_\_\_\_.

State Engineer

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM MUST BE AN ORIGINAL COPY ON BOTH SIDES AND SIGNED.  
 WHITE copy & GREEN copy must be filed with the State Engineer within 30 days after well is completed: PINK copy  
 is for the Driller

41511

WELL LOG

From	To	Type of Material	Water Loc.
0	2½	Top	
2½	40	Gravel & sand	
40	57½	Gravel	
57½		Gravel & sand	

Use additional paper if necessary to complete log.

WELL DATA

Type Drilling Standard Rotary

HOLE DIAMETER:

7 in. from 0 ft. to 57 ft.  
 \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

CASING RECORD

Plain Casing

Size 5, kind plas from 0 ft. to 47 ft.  
 Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated Casing

Size 5, kind plas from 47 ft. to 57 ft.  
 Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

GROUTING RECORD

Material cement  
 Intervals 0-10'  
 Placement Method spill tube

GRAVEL PACK RECORD

Size \_\_\_\_\_ Interval 10' to bottom

TEST DATA

Date Tested June 10, 1970  
 Type of Pump bailed  
 Length of Test 2 hrs.  
 Constant Yield 25 gpm  
 Drawdown 1'

WELL DRILLERS STATEMENT

The undersigned, being duly sworn, deposes and says: he is the driller of the well hereon described; he has read the statement made hereon; knows the content thereof; and the same is true of his own knowledge. Canfield Drig. Co.

X Harold E. Canfield  
 License No. 7

State of Colorado, County of \_\_\_\_\_ ss

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

My Commission expires \_\_\_\_\_, 19\_\_\_\_.

Notary Public

**Name:** Lyle Oliver

**Unique ID:** OLIVER-5S92W-26

**Address:** 435 Odin Drive, Silt, CO

**Phone:** 970-876-2612

**Date Sampled:** August 8, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Oliver-5592w-26

WJR-26-77

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
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COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 155391

RECEIVED

OCT 25 1989

WATER RESOURCES  
ENGINEERS  
P.C.

WELL OWNER Robert & April Davis SE % of the SE % of Sec. 26  
ADDRESS P.O. Box 86, New Castle, CO 81647 T. 5 S. 92 W. 6th P.M.  
DATE COMPLETED October 22, 1989

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	66'	Valley Fill	66'
66	88'	Weathered Wasatch with Strings of Sand & Gravel	185'
88	200'	Wasatch	
TOTAL DEPTH <u>200'</u>			

Use additional pages necessary to complete log.

HOLE DIAMETER

10 in. from 0 to 30 ft.

7 in. from 30 to 88 ft.

6 1/2 in. from 88 to 200 ft.

DRILLING METHOD Cable tool

CASING RECORD: Plain Casing

Size 7" & kind Steel from 0 to 73 ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Perforated Casing

Size 7" & kind Steel from 73 to 88 ft.

Size 5" & kind PVC from 80 to 200 ft.

Size \_\_\_\_\_ & kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

GROUTING RECORD

Material Cement 5 to 1

Intervals 10 - 20'

Placement Method Gravity

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

TEST DATA

Date Tested October 22, 1989

Static Water Level Prior to Test 60 ft.

Type of Test Pump Bedler

Length of Test 1 Hour

Sustained Yield (Metered) 15 GPM

Final Pumping Water Level 60'

**Name:** Rich Orton  
**Unique ID:** ORTON-5S91W-31  
**Address:** 966 CR 228, Silt, CO  
**Phone:** 970-876-2733

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



Well and pumphouse

**Name:** Terry Patrick  
**Unique ID:** PATR-5S92W-28  
**Address:** 1175 CR 259, Rifle  
**Phone:** 970-625-2534

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



# WELL CONSTRUCTION AND TEST REPORT

## STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

FOR OFFICE USE ONLY

RECEIVED

DEC 15 2003

WATER RESOURCES  
STATE ENGINEER  
COLO.

9561393

APPROVAL # GWS31-91-03

1. WELL PERMIT NUMBER 210911-A

2. Owner Name(s): Terri Patrick  
Mailing Address: 1175 County Road 259  
City, State, Zip : Rifle, Co. 81650  
Phone # : 970-625-2534

3. WELL LOCATION AS DRILLED NE 1/4 SE 1/4 Sec: 28 Twp: 5 S Range: 92 W  
DISTANCES FROM SEC. LINES  
1430 ft. from South Sec. line and 360 ft. from East Sec. line OR Northing: Easting:  
SUBDIVISION: LOT: BLOCK: FILING (UNIT):  
STREET ADDRESS AT LOCATION

4. GROUND SURFACE ELEVATION ft. DRILLING METHOD Air Rotary  
DATE COMPLETED: 4/10/2003 TOTAL DEPTH: 85 DEPTH COMPLETION: 85

5.	GEOLOGIC LOG		6. HOLE DIAMETER (in)		FROM (ft)		TO (ft)	
	Depth	Type of Material (Size, Color, and Type)	6.5		0		85	
	000-057	Dirt, Silts, Clays			85			
	057-062	Cobbles, Gravels						
	062-082	Clays, Silts	7. PLAIN CASING					
	082-085	Wasatch Formation	OD (in)	Kind	Wall Size	From (ft)	To (ft)	
			5.5	Steel	0.188	-1	57	
			5.5	Steel	0.188	62	85	
			PERF. CASING : Screen Slot Size					
			5.5	Steel	0.188		57	62

Water Located: 57-62

Remarks :

8. Filter Pack

Material :

Size :

Interval :

9. Packer Placement

Type :

Depth :

10. GROUTING RECORD

Material	Amount	Density	Interval	Placement
Cement	5 sks	6 gal/sk	10-40	poured

11. DISINFECTION : Type : HTH

Amt. Used : 2 oz.

12. WELL TEST DATA : ( ) Check Box If Test Data Is Submitted On Supplemental

TESTING METHOD : Air Compressor

Static Level : 42 ft.

Date/Time Measured 4/10/2003

Production Rate 7.5 gpm

Pumping Level : Total ft.

Date/Time Measured 4/10/2003

Test Length : 2 hours

Test Remarks :

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-1-4 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR : Shelton Drilling Corp.

Phone : (970) 927-4182

Mailing Address : P.O. Box 1059

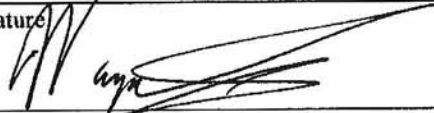
Basalt, Co. 81621

Lic. No. 1095

Name / Title (Please Type or Print)

Wayne Shelton / President

Signature



Date

4/21/2003

12/12/03

ORIGINAL

**Name:** Max and Leota Patton  
**Unique ID:** PATTON-5S92W-36  
**Address:** 7393 CR 233, Silt, CO  
**Phone:** 970-876-0283

**Date Sampled:** July 31, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



1

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APR 14 1997

STATE ENGINEER  
COLD

APPROVAL # GWS31-91-03

ORIGINAL

FORM NO. SWS-32 10/94	<b>PUMP INSTALLATION AND TEST REPORT</b> STATE OF COLORADO, OFFICE OF THE STATE ENGINEER	For Office Use only  <div style="text-align: center;"> <b>RECEIVED</b>  <b>MAY 07 1997</b>  <small>WATER RESOURCES STATE ENGINEER COLORADO</small> </div>
1. WELL PERMIT NUMBER <u>201045</u>		
2. OWNER NAME(S) <u>Tim &amp; Kathi CRAMER</u> Mailing Address <u>PO Box 23</u> City, St. Zip <u>Rifle, CO 81650</u> Phone (970) <u>625-3136</u>		
3. WELL LOCATION AS DRILLED: <u>SE 1/4 SE 1/4, Sec. 36 Twp. 5S</u> , Range <u>92 41</u> DISTANCES FROM SEC. LINES: <u>400</u> ft. from <u>South</u> Sec. line. and <u>918</u> ft. from <u>East</u> Sec. line. <small>(north or south) (east or west)</small> SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____ STREET ADDRESS AT WELL LOCATION: <u>7393 Ctr Rd 233, Silt, Co 81652</u>		
4. PUMP DATA: Type <u>4" Submersible</u> Installation Completed <u>5/1/97</u> Pump Manufacturer <u>Sta Rite</u> Pump Model No. <u>10P4D24-03</u> Design GPM <u>10</u> at RPM <u>3450</u> , HP <u>3/4</u> , Volts <u>230</u> , Full Load Amps <u>8.6</u> Pump Intake Depth <u>100'</u> Feet, Drop/Column Pipe Size <u>1"</u> Inches, Kind <u>PVC</u>		
ADDITIONAL INFORMATION FOR PUMPS GREATER THAN 50 GPM: TURBINE DRIVER TYPE: <input type="checkbox"/> Electric <input type="checkbox"/> Engine <input type="checkbox"/> Other _____ Design Head _____ feet, Number of Stages _____, Shaft size _____ inches.		
5. OTHER EQUIPMENT: Airline Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Orifice Depth ft. _____, Monitor Tube Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Depth ft. _____ Flow Meter Mfg. _____ Meter Serial No. _____ Meter Readout <input type="checkbox"/> Gallons, <input type="checkbox"/> Thousand Gallons, <input type="checkbox"/> Acre feet, <input type="checkbox"/> Beginning Reading _____		
6. TEST DATA: <input type="checkbox"/> Check box if Test data is submitted on Supplemental Form. <div style="display: flex; justify-content: space-between;"> <div>           Total Well Depth <u>110'</u>            Static Level <u>25'</u>            Date Measured <u>4/23/97</u> </div> <div>           Date <u>4/23/97</u>            Time <u>2 P.M.</u>            Rate (GPM) <u>9 GPM</u>            Pumping Lvl. <u>35'</u> </div> </div>		
7. DISINFECTION: Type <u>Chlorine bleach</u> Amt. Used <u>30 cups</u>		
8. Water Quality analysis available. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
9. Remarks _____ _____ _____ _____ _____		
10. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]		
CONTRACTOR <u>Owner Tim Cramer</u> Phone <u>(970) 876-5109</u> Lic. No. <u>N/A</u> Mailing Address <u>7393 Ctr Rd 233 Silt Co. 81652</u>		
Name/Title (Please type or print) <u>Owner Timothy K. Cramer</u>		Signature <u>Timothy K. Cramer</u> Date <u>5/4/97</u>

**Name:** John Pennington  
**Unique ID:** PENN-5S92W-31  
**Address:** 318 CR 297, Rifle, CO  
**Phone:** 970-625-2029

**Date Sampled:** August 1, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Wayne Pollard  
**Unique ID:** POLLARD-6S92W-4  
**Address:** 6448 CR 233, Silt, CO  
**Phone:** 970-876-2255

**Date Sampled:** August 1, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Well house



[illegible]

**Name:** Jesus Prado

**Unique ID:** PRADO-6S93W-2

**Address:** 1743 CR 210, Rifle, CO

**Phone:**

**Date Sampled:** August 14, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Rifle Creek Estates (Mike Brown)  
**Unique ID:** RCE-5S92W-30  
**Address:** 1046 SR 325, Rifle, CO  
**Phone:**

**Date Sampled:** August 16, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Jerry Rusch  
**Unique ID:** RUSCH-6S92W-3  
**Address:** 353 East Vista, Silt, CO  
**Phone:** 970-989-0330

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Ramon Salbidres  
**Unique ID:** SALB-6S93W-12  
**Address:** 51 CR 223, Rifle, CO  
**Phone:** 970-379-4136

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Terri Samuelson

**Unique ID:** SAM-5S91W-31

**Address:** 381 CR 228, Silt, CO

**Phone:** 970-876-2720

**Date Sampled:** August 9, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### **Photos**



**Name:** Roger and Kathryn Schouten  
**Unique ID:** SCHOUTEN-6S92W-5  
**Address:** 394 Fox Run, Rifle, CO  
**Phone:** 970-625-3610

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818  
Denver, Colorado 80203

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 126574

RECEIVED

OCT 07 1982

WATER RESOURCES  
STATE - ENGINEER  
COLD.

WELL OWNER ELIZABETH PRITZKAU SE 1/4 of the SW 1/4 of Sec. 5ADDRESS 0592 216 RD RIFLE, COLO T. 6 S. R. 92 W. 6 P.M.DATE COMPLETED 7/5, 19 82 HOLE DIAMETER7" in. from 0 to 52 ft.6 1/2" in. from 52 to 110 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

DRILLING METHOD CABLE TOOLCASING RECORD: Plain CasingSize 7" & kind STEEL from 0 to 28 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 7" & kind STEEL from 28 to 52 ft.Size 5" & kind PLASTIC from 50 to 110 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material CEMENTIntervals 5' TO 15'Placement Method GRAVITY

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

## TEST DATA

Date Tested 7/5, 19 82Static Water Level Prior to Test 35' ft.Type of Test Pump BAILERLength of Test 2 HOURSSustained Yield (Metered) 10 G. P.M.Final Pumping Water Level 100'

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	35	Brown Fill	35
35	51	SAND + GRAVEL	1
51	110	SANDSTONE	110
TOTAL DEPTH <u>110'</u>			

Use additional pages necessary to complete log.

**Name:** Richard Shoup  
**Unique ID:** SHOUP-6S93W-10  
**Address:** 1318 CR 294, Rifle, CO  
**Phone:** 970-625-1798

**Date Sampled:** August 2, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

**Photos**



**Name:** Maria and Newby Sills  
**Unique ID:** SILLS-5S93W-36  
**Address:** 273 Hwy 13, Rifle, CO  
**Phone:** 970-379-8871

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos

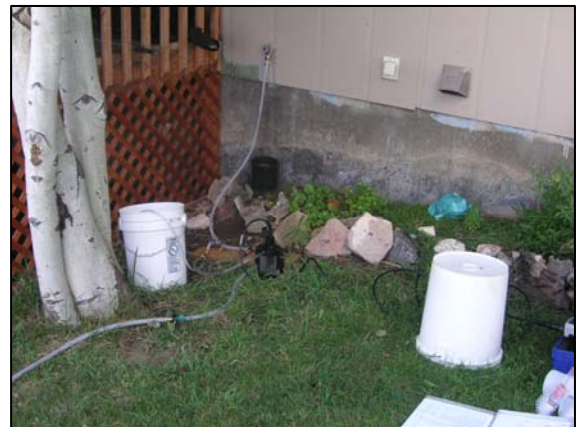


**Name:** Larry Spaulding  
**Unique ID:** SPAULDING-5S92W-34  
**Address:** 531 CR 260, Silt, CO  
**Phone:** 970-876-2832

**Date Sampled:** August 14, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



FORM NO. 7816  
GWS-31  
11/90

**WELL CONSTRUCTION AND TEST REPORT**  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use Only  
**RECEIVED**

NOV 29 '91

WATER RESOURCES  
STATE ENGINEER  
COLO.

1. WELL PERMIT NUMBER 161380  
2. OWNER NAME(S) Larry Spaulding  
Mailing Address 0531 Co. Rd. 260  
City, St. Zip Silt, Colo. 81652  
Phone ( 303 ) 876-2832

3. WELL LOCATION AS DRILLED: NE 1/4 SE 1/4, Sec. 34 Twp. 5 S Range 92 W  
DISTANCES FROM SEC. LINES:  
2440 ft. from south Sec. line. and 1170 ft. from east Sec. line. OR  
(north or south) (east or west)  
SUBDIVISION: LOT BLOCK FILING(UNIT)  
STREET ADDRESS AT WELL LOCATION:

4. GROUND SURFACE ELEVATION 5350 ft. DRILLING METHOD Rotary-Air (D.H.D.)  
DATE COMPLETED Sept. 30, 1991 TOTAL DEPTH 148 ft. DEPTH COMPLETED 148 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
0-10'	overburned-brown
10-30'	sandstone-gray-fine
30-50'	sandstone-gray-fine
50-80'	shale-blue-minus
80-100'	sandstone-blue-gray-fine
100-148'	shale-blue-minus

water at 120 Ft.

REMARKS: overburden=soft  
sandstone- hard  
shale-moderate to hard

6. HOLE DIAM. (in.)	From (ft)	To (ft)
9"	0	27
6 1/2"	27	148

7. PLAIN CASING

OD (in)	Kind	Wall Size	From(ft)	To(ft)
7	steel	231	+1	27
5 1/2	PVC	231	8	148

PERF. CASING: Screen Slot Size: 6' x 1/8  
5 1/2 PVC 70' 138'

8. FILTER PACK:

Material none  
Size  
Interval

9. PACKER PLACEMENT:

Type none  
Depth

10. GROUTING RECORD:

Material	Amount	Density	Interval	Placement
grout	400 LB.	2 gal.	0'-27'	hand
		50 Lb.		

11. DISINFECTION: Type Liquid Bleach Amt. Used 8 cups

12. WELL TEST DATA: ☒ Check box if Test Data is submitted on Supplemental Form.  
TESTING METHOD Drill pipe- air  
Static Level 20ft. ft. Date/Time measured Sept. 30, 1991 Production Rate 2 gpm.  
Pumping level ft. Date/Time measured Test length (hrs.) 1 hour  
Remarks

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Blue Sky Drilling Inc. Phone (303) 876-2814 Lic. No. 1235  
Mailing Address P.O. Box 136 Silt, Colo. 81652

Name/Title (Please type or print) FRANK GAASCH PRES. Signature Frank Gaasch Date Nov. 25. 91

WATER RESOURCES  
STATE ENGINEER  
COLD

4/2/98

State Engineer

By

CHFDK9

TR#438849 120498

20.63

## ~~TYPE OF WATER RESOURCES~~

Data

Court Case No.

Div.

Co.

WD

Basin

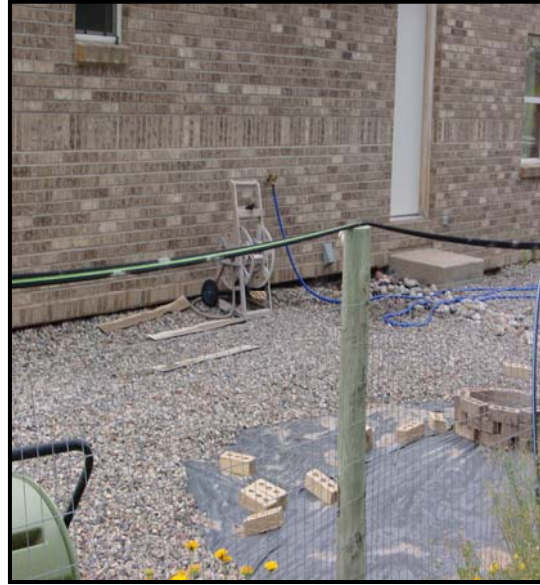
ME

**Name:** Douglas Stewart  
**Unique ID:** STEWART-6S93W-1  
**Address:** 2888 CR 210, Rifle, CO  
**Phone:** 970-625-3096

**Date Sampled:** July 31, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



Stewart - 6593W-1

WRJ-26-72

## COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203

REC...

JUN 6 1983

WATER RES.  
STATE - ENGR.  
GEO.THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 70042WELL OWNER Muriel M. Stewart SE ¼ of the SE ¼ of Sec. 1  
1927 W. Mississippi  
ADDRESS Denver, Colo 80223 T. 6 S, R. 93 W, 6 P.M.  
DATE COMPLETED 6-28, 1976

## HOLE DIAMETER

8 in. from 0 to 100 ft.6 in. from 100 to 145 ft.       in. from        to        ft.DRILLING METHOD Cable Tool

CASING RECORD: Plain Casing

Size 7" & kind Steel from 0 to 100 ft.Size 5" & kind Plastic from 100 to 145 ft.Size        & kind        from        to        ft.

## Perforated Casing

Size 5" & kind Plastic from 105 to 145 ft.Size        & kind        from        to        ft.Size        & kind        from        to        ft.

## GROUTING RECORD

Material Sand + CementIntervals 5'-15'Placement Method PouredGRAVEL PACK: Size       Interval       

## TEST DATA

Date Tested 6-28, 1976Static Water Level Prior to Test 60 ft.Type of Test Pump BalerLength of Test 1 hrSustained Yield (Metered) 30 GPMFinal Pumping Water Level 80'

## WELL LOG

From	To	Type and Color of Material	Water Loc.
0	48	Mud	
48	78	Gravel + Sand	
78	98	Sand	✓
98	108	Brown Shale	
108	132	Gray Sandy Shale	
132	150	Wasatch Shale	
TOTAL DEPTH <u>150'</u>			

Use additional pages necessary to complete log.

**COLORADO DIVISION OF WATER RESOURCES**  
101 Columbine Bldg., 1845 Sherman St., Denver, Colorado 80202

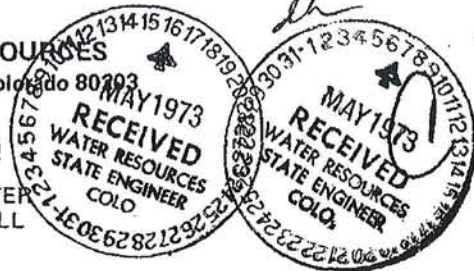
**PERMIT APPLICATION FORM**

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

( ) A PERMIT TO USE GROUND WATER  
(☒) A PERMIT TO CONSTRUCT A WELL  
FOR: (☒) A PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. \_\_\_\_\_

( ) OTHER \_\_\_\_\_

**(1) APPLICANT - mailing address**NAME Mrs. Muriel M. StewartSTREET 1927 W. MississippiCITY Denver, Colo. 80223  
(State) (Zip)TELEPHONE NO. 935-4661 or 935-8892**(2) LOCATION OF PROPOSED WELL**County GarfieldSE 1 4 of the SE 1 4, Section 1Twp. 6 S, Rng. 93W \_\_\_\_\_ P.M.**(3) WATER USE AND WELL DATA**Proposed maximum pumping rate (gpm) 15Average annual amount of ground water to be appropriated (acre-feet): 1 1/2Number of acres to be irrigated: NoneProposed total depth (feet): 100

Aquifer ground water is to be obtained from:

Gravel

Owner's well designation \_\_\_\_\_

**GROUND WATER TO BE USED FOR:**

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
(☒) DOMESTIC (1) ( ) INDUSTRIAL (5)  
( ) LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)

( ) OTHER (9) \_\_\_\_\_

**(4) DRILLER**Name Jim StonemanStreet Rt. 1 Box 102City Rifle, Colorado 81650  
(State) (Zip)Telephone No. 625-1421 Lic. No. 78

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 435351

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

**CONDITIONS OF APPROVAL**

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

*BED*

PERMIT EXPIRATION DATE EXTENDED ONE (1) YEAR TO JULY 17, 1976 IS HEREBY APPROVED.

**EXPIRED**DATE 7/17/75 *RSB***APPLICATION APPROVED**PERMIT NUMBER 70042DATE ISSUED JUL 17 1973EXPIRATION DATE JUL 17 1975

*[Signature]*  
(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 5-39 COUNTY 23

**Name:** Drew Suits  
**Unique ID:** SUITES-5S92W-35  
**Address:** 225 CR 266, Silt, CO  
**Phone:** 970-876-5108

**Date Sampled:** July 31, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Russel and Dennie Talbott  
**Unique ID:** TALBOTT-6S91W-4  
**Address:** 6851 CR 214  
**Phone:** 970-984-0760

**Date Sampled:** August 3, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Jerry and Nancy Thomas  
**Unique ID:** THOMAS-5S92W-26  
**Address:** 1491 CR 237, Silt, CO  
**Phone:** 970-984-2208

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Thomas - 5892w-26

THIS FORM MUST BE SUBMITTED  
WITHIN 60 DAYS OF COMPLETION  
OF THE WORK DESCRIBED HERE-  
ON. TYPE OR PRINT IN BLACK  
INK.

## COLORADO DIVISION OF WATER RESOURCES

300 Columbine Bldg., 1845 Sherman St.  
Denver, Colorado 80203

## WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 77548

RECEIVED

APR 28 '75

WATER RESOURCES  
STATE ENGINEER  
COLO.

WELL OWNER ARTHUR R. WINNER SE 1/4 of the SW 1/4 of Sec. 25  
1491 Co. Rd 237  
ADDRESS Rifle Co 16 81650 T. 5 S, R. 92 W, 6 P.M.  
DATE COMPLETED FEB 6, 19 75

## HOLE DIAMETER

6 3/4 in. from 0 to 430 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

\_\_\_\_\_ in. from \_\_\_\_\_ to \_\_\_\_\_ ft.

DRILLING METHOD ROTARY

CASING RECORD: Plain Casing

Size 5/8 & kind 0320 from 0 to 390 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## Perforated Casing

Size 5/8 & kind 0320 from 390 to 430 ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

Size \_\_\_\_\_ &amp; kind \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft.

## GROUTING RECORD

Material CEMENTIntervals 0-40'Placement Method POUR ON PACKER

GRAVEL PACK: Size \_\_\_\_\_

Interval \_\_\_\_\_

## TEST DATA

Date Tested FEB 7, 19 75Static Water Level Prior to Test 50' ft.Type of Test Pump BAILERLength of Test 3 hrsSustained Yield (Metered) 360 PMFinal Pumping Water Level 430'

GSE 5880 WELL LOG elev SWL 5830

From	To	Type and Color of Material	Water Loc.
0	30'	OVER BURDEN	
30	430'	SHALE	410'
TOTAL DEPTH <u>430'</u>			

Use additional pages necessary to complete log.

**Name:** Troy Trevathan  
**Unique ID:** TREV-5S92W-32  
**Address:** 2900 CR 233, Rifle, CO  
**Phone:** 970-625-4846

**Date Sampled:** August 4, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

#### Photos



✓ **WELL CONSTRUCTION AND TEST REPORT**  
**STATE OF COLORADO, OFFICE OF THE STATE ENGINEER**

FOR OFFICE USE ONLY

RECEIVED

JUN 04 1998

WATER RESOURCES  
 STATE ENGINEER  
 APPROVAL # GWS2151-03

1. **WELL PERMIT NUMBER** MH-33389-210890

2. **Owner Name(s) :** Troy Trevathan  
**Mailing Address :** 605 W. 26th St  
**City, St. Zip :** Rifle, Co. 81650  
**Phone :** (970) 625-4846

3. **WELL LOCATION AS DRILLED:** NE 1/4 SE 1/4 Sec. 32 Twp. 05S Range 92W  
**DISTANCES FROM SEC. LINES:**  
 ft. from Sec. line. and ft. from Sec. line. OR  
 SUBDIVISION : Antlers Orchard LOT 34 BLOCK FILING(UNIT)  
**STREET ADDRESS AT WELL LOCATION :**

4. **GROUND SURFACE ELEVATION** ft. **DRILLING METHOD** Air Rotary  
**DATE COMPLETED** 05/15/98 **TOTAL DEPTH** 200 ft. **DEPTH COMPLETED** 200 ft.

5. **GEOLOGIC LOG :**

Depth	Type of Material (Size, Color, and Type)
000-004	Topsoil
004-200	Wasatch Formation

6. **HOLE DIAM. (in)** FROM (ft) TO (ft)

9.0	0	25
6.5	25	200

7. **PLAIN CASING**

OD (in)	Kind	Wall Size	From (ft)	To (ft)
7.0	Steel	0.240	-1	25
5.5	PVC	.250	20	45
5.5	PVC	.250	55	160

PERF. CASING : Screen Slot Size :

5.5	PVC	.250	45	55
5.5	PVC	.250	160	190

WATER LOCATED : 45, 180 ?

REMARKS :

8. **Filter Pack**

Material :

Size :

Interval :

9. **Packer Placement**

Type :

Depth :

10. **GROUTING RECORD :**

Material	Amount	Density	Interval	Placement
cement	3 sks	16 gal	5-25	poured

Amt. Used : 4 oz.

11. **DISINFECTION : Type :** HTH

12. **WELL TEST DATA :** [ ] Check Box If Test Data is Submitted On Supplemental Form.

TESTING METHOD : Air Compressor

Static Level : 12 ft. Date/Time Measured : 05/15/98

Production Rate : .8 gpm.

Pumping Level : Total ft. Date/Time Measured : 05/15/98

Test Length : 2 hrs.

Remarks :

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)

CONTRACTOR : Shelton Drilling Corp.

Mailing Address : P.O. Box 1059

Basalt, CO 81621

Phone : (970) 927-4182

Lic. No. 1095

Name / Title (Please Type or Print)  
 Wayne Shelton / President

Signature

Date 05/18/98

ORIGINAL

<b>WELL CONSTRUCTION AND TEST REPORT</b>		FOR OFFICE USE ONLY	
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER		<b>RECEIVED</b>	
1.	<b>WELL PERMIT NUMBER</b> MH-33389	<b>JUL 06 1998</b>  WATER RESOURCES STATE ENGINEER COLO.  APPROVAL # GWS31-91-03	
2.	Owner Name(s) : Troy Trevathan Mailing Address : 605 W. 26th St City, St. Zip : Rifle, Co. 81650 Phone : (970) 625-4846		
3.	<b>WELL LOCATION AS DRILLED:</b> NE 1/4 SE 1/4 Sec. 32 Twp. 05S Range 92W <b>DISTANCES FROM SEC. LINES:</b> 0 ft. from Sec. line. and ft. from Sec. line. OR SUBDIVISION : Antlers Orchard LOT 34 BLOCK FILING(UNIT) <b>STREET ADDRESS AT WELL LOCATION :</b>		
4.	<b>GROUND SURFACE ELEVATION</b> ft. <b>DRILLING METHOD</b> Air Rotary <b>DATE COMPLETED</b> 05/15/98 <b>TOTAL DEPTH</b> 200 ft. <b>DEPTH COMPLETED</b> 200 ft.		
5. <b>GEOLOGIC LOG :</b>		6. <b>HOLE DIAM. (in)</b>	FROM (ft)
Depth	Type of Material (Size, Color, and Type)	9.0	0
000-004	Topsoil	6.5	25
004-200	Wasatch Formation		200
		7. <b>PLAIN CASING</b>	
		OD (in)	Kind
		7.0	Steel
		5.5	PVC
		5.5	PVC
			0
		PERF. CASING : Screen Slot Size :	
		5.5	PVC
		5.5	PVC
WATER LOCATED : 45, 180 ?  REMARKS :		8. <b>Filter Pack</b>	
		Material :	
		Size :	
		Interval :	
		9. <b>Packer Placement</b>	
		Type :	
		Depth :	
		10. <b>GROUTING RECORD :</b>	
		Material	Amount
		cement	3 sks
		Density	16 gal
		Interval	5-25
		Placement	poured
11. <b>DISINFECTION :</b> Type : HTH		Amt. Used : 4 oz.	
12. <b>WELL TEST DATA :</b> <input type="checkbox"/> Check Box if Test Data is Submitted On Supplemental Form.			
<b>TESTING METHOD :</b> Air Compressor			
<b>Static Level :</b> 12 ft.		<b>Date/Time Measured :</b> 05/15/98	
<b>Pumping Level :</b> Total ft.		<b>Date/Time Measured :</b> 05/15/98	
<b>Remarks :</b>		<b>Production Rate :</b> .8 gpm.	
		<b>Test Length :</b> 2 hrs.	
13. <small>I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. (Pursuant to Section 24-4-104 (13)(a) CRS, the making of false statements constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.)</small>			
<b>CONTRACTOR :</b> Shelton Drilling Corp.		<b>Phone :</b> (970) 927-4182	
<b>Mailing Address :</b> P.O. Box 1059 Basalt, CO. 81621		<b>Lic. No. :</b> 1095	
<b>Name / Title (Please Type or Print)</b> Wayne Shelton / President		<b>Signature</b>  <b>Date</b> 05/18/98	

**Name:** Tybar Ranch (Mark Nieslanik)  
**Unique ID:** TYB-6S93W-3  
**Address:** 1179 CR 233, Rifle, CO  
**Phone:**

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Tybar Ranch (Mark Nieslanik)  
**Unique ID:** TYB-5S92W-32  
**Address:** 1179 CR 233, Rifle, CO  
**Phone:**

**Date Sampled:** August 16, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos

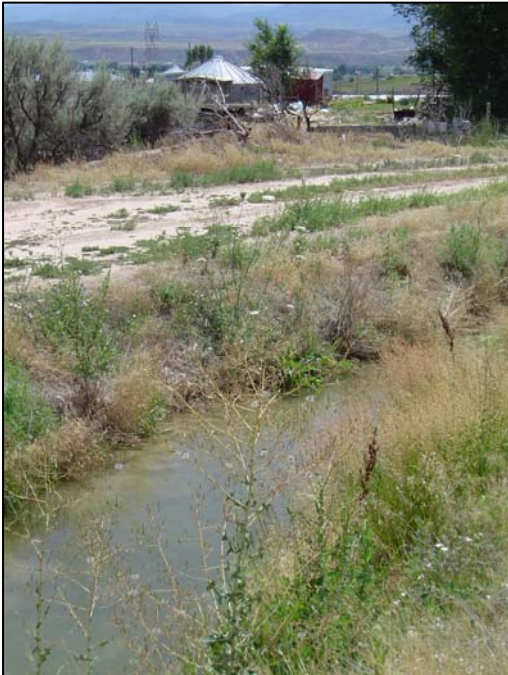


**Name:** Leroy Urban  
**Unique ID:** URBAN-5S92W-33  
**Address:** 284 CR 259A, Rifle, CO  
**Phone:** 970-625-2785

**Date Sampled:** August 3, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

**Photos**



**Name:** Chuck Walker  
**Unique ID:** WALKER-5S92W-25  
**Address:** 769 CR 250, Silt, CO  
**Phone:** 970-876-2434

**Date Sampled:** August 9, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



**Name:** Lowell Walter  
**Unique ID:** WALTER-6S92W-4  
**Address:** 969 CR 231, Silt, CO  
**Phone:** 970-876-5728

**Date Sampled:** August 8, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** No

### Photos



Well buried in shaft



**Name:** Bob and Barbara Ward  
**Unique ID:** WARD-5S92W-32  
**Address:** 2359 CR 250, Silt, CO  
**Phone:** 970-876-1984

**Date Sampled:** August 15, 2006  
**Previously Sampled?:** Yes

**Sampled for Isotopic Gas Analysis?:** No

### Photos



For Office Use only

**Name:** Del Whittington  
**Unique ID:** WHITT-6S91W-6  
**Address:** 4791 CR 214, Silt, CO  
**Phone:** 970-876-2664

**Date Sampled:** August 8, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



**Name:** Jack Wigington  
**Unique ID:** WIGINGTON-6S93W-3  
**Address:** 720 CR 233, Rifle, CO  
**Phone:** 970-625-1398

**Date Sampled:** July 31, 2006  
**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Approximate well location



## LOG AND HISTORY

## WELL LOG

Ground Elevation \_\_\_\_\_

Type Drilling Cable Tool

From	To	Type of Material	Water Loc.	Perf.
0	12	Clay Brown		
12	65	Gravel Brown Clay	✓	
65	85	Brown Clay		
85	95	Brown Sandstone	✓	✓
95	110	Brown Clay		✓

Use additional paper if necessary to complete log and attach.

State of Colorado )  
County of \_\_\_\_\_ ) ss

## WELL DRILLERS STATEMENT

James Stoneman being duly sworn, deposes and says: he is the driller of the above described well; he has read the above map and statement, knows the content thereof, and the same is true of his own knowledge.

License No. 78

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My Commission expires \_\_\_\_\_, 19\_\_\_\_.

Notary Public

## WELL DATA

Date Started 5-15-67Date Completed 5-20-67

## Hole Diameter:

8 in. from 0 ft. to 110 ft.  
 \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

## CASING RECORD

Cemented from \_\_\_\_\_

## Plain Casing

Size 7, kind STD from 0 ft. to 64 ft.Size 5, kind STD from 64 ft. to 110 ft.

Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

## Perforated Casing

Size 7, kind STD from 54 ft. to 64 ft.Size 5, kind STD from 92 ft. to 110 ft.

Size \_\_\_\_\_, kind \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

## TEST DATA

Date Tested 5-20-67Type of Pump DiaphragmLength of Test 1 hr.Constant Yield 15 GPMDrawdown 90'

## PUMP DATA (To be filled in)

Type of Pump Unknown

Outlet Size \_\_\_\_\_

Driven by \_\_\_\_\_

Horsepower \_\_\_\_\_

DEPTH TO WATER 95TOTAL DEPTH 110

## FORM TO BE MADE OUT IN QUADRUPLICATE:

Original WHITE (both sides) & Triplicate GREEN Copy must be filed with the State Engineer within 30-days after well is completed. Duplicate PINK copy is for the Owner & YELLOW copy for the Driller. WHITE FORM MUST BE AN ORIGINAL COPY ON BOTH SIDES AND SIGNED.

**Name:** Robert Zarlingo

**Unique ID:** ZAR-6S92W-3

**Address:** 970 CR 231, Silt, CO

**Phone:** 970-876-2611

**Date Sampled:** August 9, 2006

**Previously Sampled?:** No

**Sampled for Isotopic Gas Analysis?:** Yes

### Photos



Well head under barrel



FORM NO.  
GWS-31  
11/90

WELL CONSTRUCTION AND TEST REPORT  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

REC'D  
JUL 29 1993  
WATER H.  
STATE E.  
CO.

1. WELL PERMIT NUMBER 167795 167795
2. OWNER NAME(S) Anthony Zarlingo  
Mailing Address 0970 Rd. 231  
City, St. Zip Silt CO 81652  
Phone ( 303 ) 876-2611
3. WELL LOCATION AS DRILLED: SW 1/4 NW 1/4, Sec. 3 Twp. 6 S, Range 92 W  
DISTANCES FROM SEC. LINES:  
3000 ft. from South Sec. line. and 5000 ft. from East Sec. line. OR  
(north or south) (east or west)  
SUBDIVISION: LOT          BLOCK          FILING(UNIT)           
STREET ADDRESS AT WELL LOCATION: 231 Rd. Silt CO 81652
4. GROUND SURFACE ELEVATION 5452 ft. DRILLING METHOD Air Rotary DHD  
DATE COMPLETED 5-29-93 TOTAL DEPTH 60 ft. DEPTH COMPLETED 60 ft.

5. GEOLOGIC LOG:

Depth	Description of Material (Type, Size, Color, Water Location)
<u>0-10</u>	<u>Overburden</u>
<u>10-32</u>	<u>Boulder, Clay, Sand</u>
<u>32-40</u>	<u>Sandstone 1/8" minus Brown</u>
<u>40-50</u>	<u>Sand &amp; Gravel 3/4" minus Gray</u>
<u>50-60</u>	<u>Gravel 3/4" Multi</u>
<u>56</u>	<u>Water</u>

8. HOLE DIAM. (in.)	From (ft)	To (ft)
<u>9</u>	<u>0</u>	<u>42</u>
<u>6 1/2</u>	<u>42</u>	<u>60</u>

7. PLAIN CASING

OD (in)	Kind	Wall Size	From(ft)	To(ft)
<u>7</u>	<u>Steel</u>	<u>.231</u>	<u>+18"</u>	<u>58'4"</u>
<u>5 1/2</u>	<u>PVC</u>	<u>.231</u>	<u>10</u>	<u>55</u>

PERF. CASING: Screen Slot Size:	<u>1/8" x 4"</u>
<u>5 1/2</u> PVC	<u>.231</u> <u>55</u> <u>60</u>

8. FILTER PACK:

Material None  
Size           
Interval         

9. PACKER PLACEMENT:

Type None  
Depth         

10. GROUTING RECORD:

Material	Amount	Density	Interval	Placement
<u>shrink</u>	<u>500 lbs.</u>	<u>20' to 42'</u>	<u>hand</u>	
	<u>5 gal.</u>	<u>per 100 lbs.</u>		

REMARKS: Non

11. DISINFECTION: Type Liquid Bleach Amt. Used 2 cups
12. WELL TEST DATA: ☐ Check box if Test Data is submitted on Supplemental Form.  
TESTING METHOD Drill Pipe Air  
Static Level 48 ft. Date/Time measured 5-29-93 15 min. Production Rate 12 gpm.  
Pumping level          ft. Date/Time measured          Test length (hrs.)           
Remarks

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR Blue Sky Drilling Inc. Phone (303) 876-2814 Lic. No. 1235  
Mailing Address PO Box 136 Silt CO 81652

Name/Title (Please type or print)  
Kim A. Gaasch  
Secretary/Treasurer Driller

Signature  
Kim A. Gaasch

Date  
7/19/93

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## **Appendix B**

### **Detailed Well Information**

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**Table 1:**  
**General Sampled Well Information**  
Page 1 of 2

Well ID	Well Owner	Permit Number	COGCC Facility ID*	COGCC Sample ID*	Physical Address of Well	City	Sample Date	Latitude **	Longitude **	Well Depth***	Comments
SUITES-5S92W-35	Suits, Drew				225 CR 266	Silt	7/31/2006	39.57212127	-107.6799584		Coordinates are 25 feet E of well.
PATTON-5S92W-36	Patton, Max and Leota	201045			7393 CR 233	Silt	7/31/2006	39.56518614	-107.6602031	120	
GREEN-6S93W-1	Green, Judy and Darrell	115082	703107	56	1009 CR 223	Rifle	7/31/2006	39.55840258	-107.7297226	95	
STEWART-6S93W-1	Stewart, Douglas	70042	703109	58	2888 CR 210	Rifle	7/31/2006	39.55039336	-107.717927	150	
WIGINGTON-6S93W-3	Wigington, Jack	30853			720 CR 233	Rifle	7/31/2006	39.55404242	-107.7662367	110	
BLAIR-5S92W-36	Blair, John and Deena	42426			407 CR 261	Silt	8/1/2006	39.57105	-107.65862	120	
POLLARD-6S92W-4	Pollard, Wayne	242127	703080	10	6448 CR 233	Silt	8/1/2006	39.56383	-107.67547	200	
COSTANZ-6S92W-6	Costanzo, Kevin and Lynda	53597			514 CR 225	Rifle	8/1/2006	39.55304	-107.705692	80	
BAIN-6S93W-10	Bain, Phil	225447			1983 CR 293	Rifle	8/1/2006	39.5422197	-107.7526209	200	
PENN-5S92W-31	Pennington, John				318 CR 297	Rifle	8/1/2006	39.57806798	-107.7630098		
ELDERKIN-5S91W-30	Elderkin, Bob	118740			1513 CR 250	Silt	8/1/2006	39.58037	-107.64253	400	
CHR-6S92W-1	Cedar Hills Ranch HOA (Kent Lohse)	48773			4073 CR 214	Silt	8/1/2006	39.5578	-107.61025		
MURPH-6S92W-6	Murphy, Steve				854 Antlers Lane	Rifle	8/2/2006	39.55846	-107.70551		
SCHOUTEN-6S92W-5	Schouten, Roger and Kathryn	126574			394 Fox Run	Rifle	8/2/2006	39.55091	-107.69366	110	
NESBIT-6S92W-5	Nesbit, Dale and Julie	41511			594 CR 216	Rifle	8/2/2006	39.55092	-107.69598	58	
SALB-6S93W-12	Salbidres, Ramon				51 CR 223	Rifle	8/2/2006	39.54436815	-107.7308437		Coordinates are 7 feet S and 2 feet W of well.
GREEN-6S93W-11	Green, Ardis	170888			603 CR 221	Rifle	8/2/2006	39.54478398	-107.7360684	150	Approximate location, well buried.
BRE-6S93W-11	Big R Ent. LLC (Bob Regulski)	61899			28485 Hwy 6124	Rifle	8/2/2006	39.54193363	-107.739341	68	
SHOUP-6S93W-10	Shoup, Richard				1318 CR 294	Rifle	8/2/2006	39.5386176	-107.7577387		Coordinates are 20 feet S of well.
LYONS-5S91W-31	Lyons, Doug and Sue	47094			2160 CR 250	Silt	8/2/2006	39.57566	-107.63782	155	
ORTON-5S91W-31	Orton, Rich				966 CR 228	Silt	8/2/2006	39.57859	-107.64641		
FAZZI-5S91W-32	Fazzi, Richard and Ester	66160			1740 CR 214	Silt	8/2/2006	39.56418	-107.64928		
URBAN-5S92W-33	Urban, Leroy				284 CR 259A	Rifle	8/3/2006	39.57658954	-107.7184842		Coordinates are 17 feet S of well.
HUGHES-6S91W-4	Hughes, Norma				6599 CR 214	Silt	8/3/2006	39.56083	-107.56897		
TALBOTT-6S91W-4	Talbott, Russel and Dennie				6851 CR 214	Silt	8/3/2006	39.5608	-107.56303		
ALLEN-5S92W-30	Allen, Ed and Sheila	38005			488 CR 251	Rifle	8/4/2006	39.59100771	-107.7600866	100	Coordinates are 15 feet SE of well.
TREV-5S92W-32	Trevathan, Troy	210890			2900 CR 233	Rifle	8/4/2006	39.57107045	-107.7349929	200	
LOWD-5S92W-33	Lowdermilk, Darrell	107876			313 Round Tree Road	Rifle	8/4/2006	39.56857675	-107.7192683	123	
COPE-6S92W-2	Copeland, Iris	181155			925 CR 218	Silt	8/4/2006	39.55064	-107.63983	124	
CHENO-6S91W-5	Chenowetch, Jim	111594			6411 CR 214	Silt	8/4/2006	39.56056	-107.57169		
COULTER-5S92W-34	Coulter, Frances	93211			4487 CR 233	Rifle	8/7/2006	39.56425	-107.71259		
MILLER-5S92W-34	Miller, Robert and Karen	36072			520 CR 259	Rifle	8/7/2006	39.57424	-107.71182	300	
ARMSTRONG-5S91W-30	Armstrong, Susan and Harvey				413 Ingersoll Lane	Silt	8/7/2006	39.58514	-107.65283		
MARTIN-6S91W-5	Martin, David				5818 CR 214	New Castle	8/7/2006	39.55681	-107.579		
GUCCINI-6S91W-5	Guccini, T.J				6070 CR 214	Silt	8/7/2006	39.5581183	-107.5744066		
OLIVER-5S92W-26	Oliver, Lyle	155391			435 Odin Drive	Silt	8/8/2006	39.58211	-107.67902	200	
HINKLE-6S92W-4	Hinkle, Amber and Phil		703102	51	573 CR 229	Silt	8/8/2006	39.5553	-107.67725		
WALTER-6S92W-4	Walter, Lowell				969 CR 231	Silt	8/8/2006	39.56018	-107.6638		
MELLO-5S92W-26	Mello, Mike	126342			896 CR 266	Silt	8/8/2006	39.58038	-107.68021	200	
BECKER-6S91W-6	Becker, Jim	77160			4520 CR 214	Silt	8/8/2006	39.55728	-107.60195	115	
WHITT-6S91W-6	Whittington, Del				4791 CR 214	Silt	8/8/2006	39.55948	-107.59878		
WALKER-5S92W-25	Walker, Chuck	264719	703029	7	769 CR 250	Silt	8/9/2006	39.57954	-107.65959		
SAM-5S91W-31	Samuelson, Terrie				381 CR 228	Silt	8/9/2006	39.56876	-107.65277		
LAYMAN-5S92W-25	Layman, Mary				403 CR 250	Silt	8/9/2006	39.58319	-107.66179		
ZAR-6S92W-3	Zarlingo, Robert	167795			970 CR 231	Silt	8/9/2006	39.56043	-107.66271	60	
BELLIO3-6S92W-2	Bellio, John				3204 CR 214	Silt	8/9/2006	39.55571	-107.62738		
BELLIO2-5S91W-32	Bellio, John	105767			2543 CR 214	Silt	8/9/2006	39.56437	-107.63199	200	
BELLIO1-6S92W-2	Bellio, John	183310			2980 CR 214	Silt	8/9/2006	39.55907	-107.62808	100	
MOEN-6S92W-6	Moen, Nathan	49861	703101	50	1101 CR 227	Rifle	8/10/2006	39.56358	-107.70099		
COLLER-5S91W-4	Coller, Marvin	119031	703104	53	7000 CR 214	New Castle	8/10/2006	39.55897	-107.56071	102	

\* COGCC Internal ID

\*\* North American Datum of 1983

\*\*\* Well depth (ft) as reported in Well Construction Diagrams obtained from the CO Division of Water Resources

Table 1:  
General Sampled Well Information  
Page 2 of 2

Well ID	Well Owner	Permit Number	COGCC Facility ID*	COGCC Sample ID*	Physical Address of Well	City	Sample Date	Latitude **	Longitude **	Well Depth***	Comments
HOLSAN-6S91W-6	Holsan, Richard	72678	703140	12	4773 CR 214	Silt	8/10/2006	39.55875	-107.59915	100	
FIELDS-6S93W-1	Fields, Scott		703108	57	2492 CR 210	Rifle	8/14/2006	39.55155061	-107.7258363		Coordinates are 13 feet N of well.
KRIZ-6S93W-10	Kriz, Ken	60288			255 CR 210	Rifle	8/14/2006	39.53391148	-107.7574172	140	
MGD-6S93W-11	Meadow Gold Dairy (Craig Peterson)		703111	60	836 CR 210	Rifle	8/14/2006	39.54248082	-107.7471287		Coordinates are 22 feet S of well.
COPE-6S93W-11	Copeland Concrete (Tim Copeland)		703110	59	28803 Hwy 6	Rifle	8/14/2006	39.543571	-107.733233		
PRADO-6S93W-2	Prado, Jesus				1743 CR 210	Rifle	8/14/2006	39.55335	-107.740128		
ALESSANDRO-6S92W-1	Alessandro, Marjorie				3445 CR 214	Silt	8/14/2006	39.55648493	-107.6231974		
SPAULDING-5S92W-34	Spaulding, Larry	161380			531 CR 260	Silt	8/14/2006	39.5706312	-107.6972142	148	Corrdinates are 22 feet W of well.
BARRIE-5S92W-35	Barrie, Tony	156882			5721 CR 233	Silt	8/14/2006	39.56440953	-107.6903382		Coordinates are 50 feet E and 25 feet S of well.
SILLS-5S93W-36	Sills, Maria and Newby				273 Hwy 13	Rifle	8/15/2006	39.5660421	-107.7715556		
TYB-6S93W-3	Tybar Ranch (Mark Nieslanik)		703112	61	1179 CR 233	Rifle	8/15/2006	39.55886269	-107.7601868		
BROW-5S92W-32	Brownson, Jim and Jackie	60902	703031	11	3181 CR 233	Rifle	8/15/2006	39.56600689	-107.7327255		
PATR-5S92W-28	Patrick, Terry	210911			1175 CR 259	Rifle	8/15/2006	39.58415263	-107.7156368	85	
WARD-5S92W-32	Ward, Barbara and Bob	152134	703081	9	2359 CR 250	Silt	8/15/2006	39.57303723	-107.6353203	160	
THOMAS-5S92W-26	Thomas, Jerry and Nancy	77548	703236	0	1491 CR 237	Silt	8/15/2006	39.58137065	-107.670163	430	
GULLYVENTURES-6S92W-9	Huislander, Joyce				32339 Hwy 6	Silt	8/15/2006	39.54824559	-107.6733033		
RUSCH-6S92W-3	Rusch, Jerry				353 East Vista Drive	Silt	8/15/2006	39.5599895	-107.647556		
RCE-5S92W-30	Rifle Creek Estates (Michael Brown)				1046 SR 325	Rifle	8/16/2006	39.58744239	-107.7676522		
ASG-5S92W-26	Asgard Water System (Dennis Webb)				2237 CR 456	Silt	8/16/2006	39.58618275	-107.6765999		
TYB-5S92W-32	Tybar Ranch (Mark Nieslanik)				1179 CR 233	Rifle	8/16/2006	39.56458946	-107.7458022		

\* COGCC Internal ID  
\*\* North American Datum of 1983  
\*\*\* Well depth (ft) as reported in Well Construction Diagrams obtained from the CO Division of Water Resources

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## **Appendix C**

### **Laboratory Analytical Results**

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**STL**

**STL Denver**  
4955 Yarrow Street  
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171  
[www.stl-inc.com](http://www.stl-inc.com)

## **ANALYTICAL REPORT**

**Garfield County Water/Gas Sampling**

**Lot D6H030225**

**Christine Pearcy**

**S. S. Papadopoulos & Associates, Inc.**  
1877 Broadway  
Suite 703  
Boulder, CO 80302-5245

**SEVERN TRENT LABORATORIES, INC. / STL DENVER**

**Michael P. Phillips**  
**Project Manager**

**August 22, 2006**

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### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

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



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

# **CASE NARRATIVE**

**D6H030225**

The following report contains the analytical results for twelve samples and a trip blank submitted to STL Denver by S. S. Papadopoulos & Associates for the Garfield County Water/Gas Sampling Project. The samples were received August 3, 2006, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

STL Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

## **Supplemental QC Information**

### **Sample Arrival and Receipt**

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 4.2°C and 2.8°C. STL uses a holding time of 24 hours for pH by Method 150.1 to allow for sample shipment. However, the analysis for pH by Method 150.1 should be performed in the field immediately following sampling. The analyses for pH were performed by the lab outside of STL's hold time of 24 hours. In addition, for all of the samples except COSTANZ-6S92W-6, the Nitrate and Nitrite analyses by Method 300.0A were performed outside the holding time of 48 hours due to the samples arriving at the lab either past the holding time or with less than half the holding time remaining. It is STL's policy to analyze all samples within holding times, but when samples are received with less than half the holding time remaining, this can not be guaranteed. The client was notified on August 4, 2006 and the lab was advised to proceed with the analyses.

No other anomalies were observed.

### **BTEX / MTBE, SW846 Method 8021B**

No anomalies were observed.

### **Dissolved Methane, RSK SOP-175**

No MS/MSD could be performed due to insufficient sample volume; however, a LCS/LCSD pair was analyzed to demonstrate method precision.

No other anomalies were observed.

**Total Metals, EPA Method 200.8**

No anomalies were observed.

**Major Cation, EPA Method 200.7**

The percent recoveries and the relative percent difference of the MS/MSD performed on a sample from another client and/or lot were not calculated for Sodium because the sample concentration was greater than four times the spike amount.

The serial dilution for Calcium did not meet the control criteria due to physical or chemical interferences. The Calcium results are flagged with "L" in the report as a result.

No other anomalies were observed.

**Major Anions, EPA Method 300.0**

All of the samples required dilutions for one or more of the Major Anions due to the high concentrations of the target analytes in the samples or matrix interferences. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" or "G" in the report.

No other anomalies were observed.

**Alkalinity, pH, and Total Dissolved Solids, EPA Methods 310.1, 150.1, and 160.1**

Sample GREEN-6S93W-10 required a dilution for Total Dissolved Solids due to the high concentration of the target analyte in the sample. The reporting limit has been adjusted relative to the dilution required and the result has been flagged with "Q" in the report.

No other anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D6H030225

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>GREEN-6S93W-10 07/31/06 14:15 001</b>				
Calcium	280000 L	200	ug/L	MCAWW 200.7
Magnesium	180000	200	ug/L	MCAWW 200.7
Potassium	15000	3000	ug/L	MCAWW 200.7
Sodium	1600000	5000	ug/L	MCAWW 200.7
Arsenic	29	5.0	ug/L	MCAWW 200.8
Barium	8.0	1.0	ug/L	MCAWW 200.8
Lead	1.7	1.0	ug/L	MCAWW 200.8
Manganese	130	1.0	ug/L	MCAWW 200.8
Selenium	810	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	6300 Q	20	mg/L	MCAWW 160.1
Chloride	790 Q	60	mg/L	MCAWW 300.0A
Sulfate	2500 Q	500	mg/L	MCAWW 300.0A
Bromide	3.4 G	1.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	370	5.0	mg/L	MCAWW 310.1
<b>CHR-6S92W-1 08/01/06 12:05 002</b>				
Calcium	50000 L	200	ug/L	MCAWW 200.7
Magnesium	16000	200	ug/L	MCAWW 200.7
Sodium	210000	5000	ug/L	MCAWW 200.7
Barium	29	1.0	ug/L	MCAWW 200.8
Manganese	62	1.0	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	720	10	mg/L	MCAWW 160.1
Chloride	19	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.7	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	420	5.0	mg/L	MCAWW 310.1
<b>WININGTON-6S93W-3 07/31/06 17:10 003</b>				
Calcium	130000 L	200	ug/L	MCAWW 200.7
Magnesium	74000	200	ug/L	MCAWW 200.7
Sodium	39000	5000	ug/L	MCAWW 200.7
Barium	9.8	1.0	ug/L	MCAWW 200.8
Lead	1.1	1.0	ug/L	MCAWW 200.8
Manganese	1.8	1.0	ug/L	MCAWW 200.8
Selenium	5.0	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	940	10	mg/L	MCAWW 160.1

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

D6H030225

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WININGTON-6S93W-3 07/31/06 17:10 003				
Chloride	8.2	3.0	mg/L	MCAWW 300.0A
Sulfate	340 Q	50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	350	5.0	mg/L	MCAWW 310.1
PENN-5S92W-31 08/01/06 13:00 005				
Calcium	150000 L	200	ug/L	MCAWW 200.7
Magnesium	67000	200	ug/L	MCAWW 200.7
Potassium	4000	3000	ug/L	MCAWW 200.7
Sodium	71000	5000	ug/L	MCAWW 200.7
Barium	17	1.0	ug/L	MCAWW 200.8
Lead	1.1	1.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	940	10	mg/L	MCAWW 160.1
Solids				
Chloride	12	3.0	mg/L	MCAWW 300.0A
Sulfate	340 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A
Nitrate	0.63	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	390	5.0	mg/L	MCAWW 310.1
BAIN-6S93W-10 08/01/06 09:30 006				
Calcium	150000 L	200	ug/L	MCAWW 200.7
Magnesium	100000	200	ug/L	MCAWW 200.7
Potassium	8900	3000	ug/L	MCAWW 200.7
Sodium	220000	5000	ug/L	MCAWW 200.7
Barium	9.7	1.0	ug/L	MCAWW 200.8
Lead	3.1	1.0	ug/L	MCAWW 200.8
Manganese	4.1	1.0	ug/L	MCAWW 200.8
Selenium	36	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1600	10	mg/L	MCAWW 160.1
Solids				
Chloride	17	3.0	mg/L	MCAWW 300.0A
Sulfate	380 Q	50	mg/L	MCAWW 300.0A
Nitrate	1.6	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	410	5.0	mg/L	MCAWW 310.1

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H030225

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>POLLARD-6S92W-4 08/01/06 08:30 007</b>				
Calcium	140000 L	200	ug/L	MCAWW 200.7
Magnesium	84000	200	ug/L	MCAWW 200.7
Potassium	4800	3000	ug/L	MCAWW 200.7
Sodium	110000	5000	ug/L	MCAWW 200.7
Barium	14	1.0	ug/L	MCAWW 200.8
Lead	1.6	1.0	ug/L	MCAWW 200.8
Manganese	1.1	1.0	ug/L	MCAWW 200.8
Selenium	5.8	5.0	ug/L	MCAWW 200.8
pH	7.2	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Chloride	10	3.0	mg/L	MCAWW 300.0A
Sulfate	520 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A
Nitrate	0.69	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	350	5.0	mg/L	MCAWW 310.1
<b>BLAIR-5S92W-36 08/01/06 11:30 008</b>				
Calcium	30000 L	200	ug/L	MCAWW 200.7
Magnesium	1000	200	ug/L	MCAWW 200.7
Sodium	400000	5000	ug/L	MCAWW 200.7
Barium	12	1.0	ug/L	MCAWW 200.8
Manganese	6.7	1.0	ug/L	MCAWW 200.8
Selenium	16	5.0	ug/L	MCAWW 200.8
pH	8.0	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Carbonate, as CaCO3	17	5.0	mg/L	MCAWW 310.1
Chloride	170 Q	30	mg/L	MCAWW 300.0A
Sulfate	300 Q	50	mg/L	MCAWW 300.0A
Fluoride	1.4	0.50	mg/L	MCAWW 300.0A
Nitrate	0.89	0.50	mg/L	MCAWW 300.0A
Bromide	0.28	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	340	5.0	mg/L	MCAWW 310.1
<b>SUITES-5S92W-35 07/31/06 14:40 009</b>				
Calcium	68000 L	200	ug/L	MCAWW 200.7
Magnesium	59000	200	ug/L	MCAWW 200.7
Potassium	4500	3000	ug/L	MCAWW 200.7
Sodium	46000	5000	ug/L	MCAWW 200.7
Barium	16	1.0	ug/L	MCAWW 200.8

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H030225

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>SUITES-5S92W-35 07/31/06 14:40 009</b>				
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	610	10	mg/L	MCAWW 160.1
Solids				
Chloride	8.6	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A
Nitrate	0.58	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	310	5.0	mg/L	MCAWW 310.1
<b>PATTON-5S92W-36 07/31/06 13:05 010</b>				
Calcium	150000 L	200	ug/L	MCAWW 200.7
Magnesium	66000	200	ug/L	MCAWW 200.7
Potassium	3700	3000	ug/L	MCAWW 200.7
Sodium	200000	5000	ug/L	MCAWW 200.7
Barium	8.5	1.0	ug/L	MCAWW 200.8
Lead	1.4	1.0	ug/L	MCAWW 200.8
Selenium	16	5.0	ug/L	MCAWW 200.8
pH	7.2	0.10	No Units	MCAWW 150.1
Total Dissolved	1300	10	mg/L	MCAWW 160.1
Solids				
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	600 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.80	0.50	mg/L	MCAWW 300.0A
Nitrate	0.76	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	350	5.0	mg/L	MCAWW 310.1
<b>COSTANZ-6S92W-6 08/01/06 18:00 011</b>				
Calcium	110000 L	200	ug/L	MCAWW 200.7
Magnesium	100000	200	ug/L	MCAWW 200.7
Potassium	3700	3000	ug/L	MCAWW 200.7
Sodium	150000	5000	ug/L	MCAWW 200.7
Barium	24	1.0	ug/L	MCAWW 200.8
Chromium	3.4	3.0	ug/L	MCAWW 200.8
Selenium	9.5	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Chloride	160 Q	15	mg/L	MCAWW 300.0A
Sulfate	260 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.88	0.50	mg/L	MCAWW 300.0A

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

D6H030225

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
COSTANZ-6S92W-6 08/01/06 18:00 011				
Nitrate	1.4	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	480	5.0	mg/L	MCAWW 310.1
STEWART-6S93W-1 07/31/06 09:30 012				
Calcium	110000 L	200	ug/L	MCAWW 200.7
Magnesium	54000	200	ug/L	MCAWW 200.7
Potassium	3600	3000	ug/L	MCAWW 200.7
Sodium	220000	5000	ug/L	MCAWW 200.7
Barium	20	1.0	ug/L	MCAWW 200.8
Lead	1.3	1.0	ug/L	MCAWW 200.8
Manganese	460	1.0	ug/L	MCAWW 200.8
Selenium	5.8	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1
Chloride	150 Q	30	mg/L	MCAWW 300.0A
Sulfate	370 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.60	0.50	mg/L	MCAWW 300.0A
Nitrate	0.90	0.50	mg/L	MCAWW 300.0A
Bromide	0.26	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	370	5.0	mg/L	MCAWW 310.1

# METHODS SUMMARY

D6H030225

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
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	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8	MCAWW 200.8
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Volatiles by GC	SW846 8021B	SW846 5030

## 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

D6H030225

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Christopher Grisdale	009582
MCAWW 200.7	Lynn-Anne Trudell	006645
MCAWW 200.8	Thomas Lill	6929
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Andrew M. Perlman	008060
RSK SOP-175	Patrick Quirk	006795
SW846 8021B	Adam Pavlakovich	003128

### 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

D6H030225

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JAKD5	001	GREEN-6S93W-10	07/31/06	14:15
JAKEF	002	CHR-6S92W-1	08/01/06	12:05
JAKEG	003	WININGTON-6S93W-3	07/31/06	17:10
JAKEK	004	GREEN-6S93W-10-D	07/31/06	14:15
JAKEM	005	PENN-5S92W-31	08/01/06	13:00
JAKEN	006	BAIN-6S93W-10	08/01/06	09:30
JAKEQ	007	POLLARD-6S92W-4	08/01/06	08:30
JAKER	008	BLAIR-5S92W-36	08/01/06	11:30
JAKEX	009	SUITES-5S92W-35	07/31/06	14:40
JAKE0	010	PATTON-5S92W-36	07/31/06	13:05
JAKE1	011	COSTANZ-6S92W-6	08/01/06	18:00
JAKE3	012	STEWART-6S93W-1	07/31/06	09:30
JAKE4	013	TRIP BLANK	07/31/06	

### 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.

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-10

GC Volatiles

Lot-Sample #...: D6H030225-001    Work Order #...: JAKD51A3    Matrix.....: WATER  
Date Sampled...: 07/31/06 14:15    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6221253    Analysis Time...: 12:16  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: CHR-6S92W-1

GC Volatiles

Lot-Sample #...: D6H030225-002    Work Order #...: JAKEF1CK    Matrix.....: WATER  
Date Sampled...: 08/01/06 12:05    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6221253    Analysis Time...: 12:21  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WININGTON-6S93W-3

GC Volatiles

Lot-Sample #....: D6H030225-003    Work Order #....: JAKEG1A4    Matrix.....: WATER  
Date Sampled....: 07/31/06 17:10    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 12:26  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-10-D

GC Volatiles

Lot-Sample #...: D6H030225-004    Work Order #...: JAKEK1AC    Matrix.....: WATER  
Date Sampled...: 07/31/06 14:15    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6221253    Analysis Time...: 12:31  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PENN-5S92W-31

GC Volatiles

Lot-Sample #...: D6H030225-005    Work Order #...: JAKEM1A4    Matrix.....: WATER  
Date Sampled...: 08/01/06 13:00    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6221253    Analysis Time...: 12:36  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BAIN-6S93W-10

GC Volatiles

Lot-Sample #....: D6H030225-006    Work Order #....: JAKEN1A4    Matrix.....: WATER  
Date Sampled....: 08/01/06 09:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 12:46  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: POLLARD-6S92W-4

GC Volatiles

Lot-Sample #....: D6H030225-007    Work Order #....: JAKEQ1A4    Matrix.....: WATER  
Date Sampled....: 08/01/06 08:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 12:51  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BLAIR-5S92W-36

GC Volatiles

Lot-Sample #....: D6H030225-008    Work Order #....: JAKER1A4    Matrix.....: WATER  
Date Sampled....: 08/01/06 11:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 12:56  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SUITES-5S92W-35

GC Volatiles

Lot-Sample #...: D6H030225-009    Work Order #...: JAKEX1A4    Matrix.....: WATER  
Date Sampled...: 07/31/06 14:40    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6221253    Analysis Time...: 13:01  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PATTON-5S92W-36

GC Volatiles

Lot-Sample #....: D6H030225-010    Work Order #....: JAKE01A4    Matrix.....: WATER  
Date Sampled....: 07/31/06 13:05    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 13:06  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COSTANZ-6S92W-6

GC Volatiles

Lot-Sample #....: D6H030225-011    Work Order #....: JAKE11A4    Matrix.....: WATER  
Date Sampled....: 08/01/06 18:00    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 13:11  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: STEWART-6S93W-1

GC Volatiles

Lot-Sample #....: D6H030225-012    Work Order #....: JAKE31A4    Matrix.....: WATER  
Date Sampled....: 07/31/06 09:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6221253    Analysis Time...: 13:15  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND.	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-10

GC Volatiles

Lot-Sample #....: D6H030225-001    Work Order #....: JAKD51AM    Matrix.....: WATER  
Date Sampled....: 07/31/06 14:15    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 14:00  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: CHR-6S92W-1

GC Volatiles

Lot-Sample #....: D6H030225-002    Work Order #....: JAKEF1AR    Matrix.....: WATER  
Date Sampled....: 08/01/06 12:05    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 15:47  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
<u>SURROGATE</u>	<u>PERCENT</u>		<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WININGTON-6S93W-3

GC Volatiles

Lot-Sample #...: D6H030225-003    Work Order #...: JAKEG1AR    Matrix.....: WATER  
Date Sampled...: 07/31/06 17:10    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6220510    Analysis Time...: 16:22  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-10-D

GC Volatiles

Lot-Sample #....: D6H030225-004    Work Order #....: JAKEK1AA    Matrix.....: WATER  
Date Sampled....: 07/31/06 14:15    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 17:33  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PENN-5S92W-31

GC Volatiles

Lot-Sample #....: D6H030225-005    Work Order #....: JAKEM1AR    Matrix.....: WATER  
Date Sampled....: 08/01/06 13:00    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 18:09  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BAIN-6S93W-10

GC Volatiles

Lot-Sample #....: D6H030225-006    Work Order #....: JAKEN1AR    Matrix.....: WATER  
Date Sampled....: 08/01/06 09:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 18:44  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: POLLARD-6S92W-4

GC Volatiles

Lot-Sample #....: D6H030225-007    Work Order #....: JAKEQ1AR    Matrix.....: WATER  
Date Sampled....: 08/01/06 08:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 19:19  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BLAIR-5S92W-36

GC Volatiles

Lot-Sample #...: D6H030225-008    Work Order #...: JAKER1AR    Matrix.....: WATER  
Date Sampled...: 08/01/06 11:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #...: 6220510    Analysis Time...: 19:56  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SUITES-5S92W-35

GC Volatiles

Lot-Sample #....: D6H030225-009    Work Order #....: JAKEX1AR    Matrix.....: WATER  
Date Sampled....: 07/31/06 14:40    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 20:31  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PATTON-5S92W-36

GC Volatiles

Lot-Sample #....: D6H030225-010    Work Order #....: JAKE01AR    Matrix.....: WATER  
Date Sampled....: 07/31/06 13:05    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 21:07  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COSTANZ-6S92W-6

GC Volatiles

Lot-Sample #....: D6H030225-011    Work Order #....: JAKE11AR    Matrix.....: WATER  
Date Sampled....: 08/01/06 18:00    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 21:43  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: STEWART-6S93W-1

GC Volatiles

Lot-Sample #....: D6H030225-012    Work Order #....: JAKE31AR    Matrix.....: WATER  
Date Sampled....: 07/31/06 09:30    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 22:19  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: D6H030225-013    Work Order #....: JAKE41AA    Matrix.....: WATER  
Date Sampled....: 07/31/06    Date Received...: 08/03/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/07/06  
Prep Batch #....: 6220510    Analysis Time...: 22:55  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GREEN-6S93W-10**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-001**

**Matrix.....: WATER**

**Date Sampled...: 07/31/06 14:15    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>280000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKD51AW</b>
		Dilution Factor: 1		Analysis Time...: 12:04		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKD51AX</b>
		Dilution Factor: 1		Analysis Time...: 12:04		
<b>Magnesium</b>	<b>180000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKD51A0</b>
		Dilution Factor: 1		Analysis Time...: 12:04		
<b>Potassium</b>	<b>15000</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKD51A1</b>
		Dilution Factor: 1		Analysis Time...: 12:04		
<b>Sodium</b>	<b>1600000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKD51A2</b>
		Dilution Factor: 1		Analysis Time...: 12:04		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>29</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AN</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Barium</b>	<b>8.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AP</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AQ</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AR</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Lead</b>	<b>1.7</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AT</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Manganese</b>	<b>130</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AU</b>
		Dilution Factor: 1		Analysis Time...: 21:47		
<b>Selenium</b>	<b>810</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKD51AV</b>
		Dilution Factor: 1		Analysis Time...: 21:47		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: CHR-6S92W-1**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-002**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 12:05    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>50000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEF1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:10		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEF1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:10		
<b>Magnesium</b>	<b>16000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEF1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:10		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEF1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:10		
<b>Sodium</b>	<b>210000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEF1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:10		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1AT</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Barium</b>	<b>29</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1AU</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1AV</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1AW</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1AX</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Manganese</b>	<b>62</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1A0</b>
		Dilution Factor: 1		Analysis Time...: 21:51		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEF1A1</b>
		Dilution Factor: 1		Analysis Time...: 21:51		

**NOTE(S) :**

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WININGTON-6S93W-3

TOTAL Metals

Lot-Sample #...: D6H030225-003

Matrix.....: WATER

Date Sampled...: 07/31/06 17:10 Date Received...: 08/03/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6216015						
Calcium	130000 L	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEG1A2
		Dilution Factor: 1		Analysis Time...: 12:16		
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEG1A3
		Dilution Factor: 1		Analysis Time...: 12:16		
Magnesium	74000	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEG1AA
		Dilution Factor: 1		Analysis Time...: 12:16		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEG1AC
		Dilution Factor: 1		Analysis Time...: 12:16		
Sodium	39000	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEG1AD
		Dilution Factor: 1		Analysis Time...: 12:16		
Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1AT
		Dilution Factor: 1		Analysis Time...: 22:02		
Barium	9.8	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1AU
		Dilution Factor: 1		Analysis Time...: 22:02		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1AV
		Dilution Factor: 1		Analysis Time...: 22:02		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1AW
		Dilution Factor: 1		Analysis Time...: 22:02		
Lead	1.1	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1AX
		Dilution Factor: 1		Analysis Time...: 22:02		
Manganese	1.8	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1A0
		Dilution Factor: 1		Analysis Time...: 22:02		
Selenium	5.0	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEG1A1
		Dilution Factor: 1		Analysis Time...: 22:02		

NOTE(S) :

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PENN-5S92W-31**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-005**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 13:00 Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>150000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEM1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:39		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEM1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:39		
<b>Magnesium</b>	<b>67000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEM1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:39		
<b>Potassium</b>	<b>4000</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEM1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:39		
<b>Sodium</b>	<b>71000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEM1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:39		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1AT</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Barium</b>	<b>17</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1AU</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1AV</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1AW</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Lead</b>	<b>1.1</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1AX</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Manganese</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1A0</b>
		Dilution Factor: 1		Analysis Time...: 22:05		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEM1A1</b>
		Dilution Factor: 1		Analysis Time...: 22:05		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BAIN-6S93W-10**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-006**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 09:30 Date Received...: 08/03/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6216015						
Calcium	150000 L	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEN1A2
		Dilution Factor: 1		Analysis Time...: 12:45		
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEN1A3
		Dilution Factor: 1		Analysis Time...: 12:45		
Magnesium	100000	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEN1AA
		Dilution Factor: 1		Analysis Time...: 12:45		
Potassium	8900	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEN1AC
		Dilution Factor: 1		Analysis Time...: 12:45		
Sodium	220000	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEN1AD
		Dilution Factor: 1		Analysis Time...: 12:45		
Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1AT
		Dilution Factor: 1		Analysis Time...: 22:16		
Barium	9.7	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1AU
		Dilution Factor: 1		Analysis Time...: 22:16		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1AV
		Dilution Factor: 1		Analysis Time...: 22:16		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1AW
		Dilution Factor: 1		Analysis Time...: 22:16		
Lead	3.1	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1AX
		Dilution Factor: 1		Analysis Time...: 22:16		
Manganese	4.1	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1A0
		Dilution Factor: 1		Analysis Time...: 22:16		
Selenium	36	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEN1A1
		Dilution Factor: 1		Analysis Time...: 22:16		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: POLLARD-6S92W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-007**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 08:30 Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>140000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEQ1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:51		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEQ1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:51		
<b>Magnesium</b>	<b>84000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEQ1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:51		
<b>Potassium</b>	<b>4800</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEQ1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:51		
<b>Sodium</b>	<b>110000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKEQ1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:51		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1AT</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Barium</b>	<b>14</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1AU</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1AV</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1AW</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Lead</b>	<b>1.6</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1AX</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Manganese</b>	<b>1.1</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1A0</b>
		Dilution Factor: 1		Analysis Time...: 22:20		
<b>Selenium</b>	<b>5.8</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKEQ1A1</b>
		Dilution Factor: 1		Analysis Time...: 22:20		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BLAIR-5S92W-36**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-008**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 11:30 Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>30000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKER1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:56		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKER1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:56		
<b>Magnesium</b>	<b>1000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKER1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:56		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKER1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:56		
<b>Sodium</b>	<b>400000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKER1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:56		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1AT</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Barium</b>	<b>12</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1AU</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1AV</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1AW</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1AX</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Manganese</b>	<b>6.7</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1A0</b>
		Dilution Factor: 1		Analysis Time...: 22:23		
<b>Selenium</b>	<b>16</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKER1A1</b>
		Dilution Factor: 1		Analysis Time...: 22:23		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SUITES-5S92W-35**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-009**

**Matrix.....: WATER**

**Date Sampled...: 07/31/06 14:40    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6216015						
Calcium	68000 L	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEX1A2
		Dilution Factor: 1		Analysis Time...: 13:02		
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEX1A3
		Dilution Factor: 1		Analysis Time...: 13:02		
Magnesium	59000	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEX1AA
		Dilution Factor: 1		Analysis Time...: 13:02		
Potassium	4500	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEX1AC
		Dilution Factor: 1		Analysis Time...: 13:02		
Sodium	46000	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKEX1AD
		Dilution Factor: 1		Analysis Time...: 13:02		
Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1AT
		Dilution Factor: 1		Analysis Time...: 22:27		
Barium	16	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1AU
		Dilution Factor: 1		Analysis Time...: 22:27		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1AV
		Dilution Factor: 1		Analysis Time...: 22:27		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1AW
		Dilution Factor: 1		Analysis Time...: 22:27		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1AX
		Dilution Factor: 1		Analysis Time...: 22:27		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1A0
		Dilution Factor: 1		Analysis Time...: 22:27		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKEX1A1
		Dilution Factor: 1		Analysis Time...: 22:27		

**NOTE (S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PATTON-5S92W-36**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-010**

**Matrix.....: WATER**

**Date Sampled...: 07/31/06 13:05    Date Received...: 08/03/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6216015						
Calcium	150000 L	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE01A2
		Dilution Factor: 1		Analysis Time...: 13:08		
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE01A3
		Dilution Factor: 1		Analysis Time...: 13:08		
Magnesium	66000	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE01AA
		Dilution Factor: 1		Analysis Time...: 13:08		
Potassium	3700	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE01AC
		Dilution Factor: 1		Analysis Time...: 13:08		
Sodium	200000	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE01AD
		Dilution Factor: 1		Analysis Time...: 13:08		
Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01AT
		Dilution Factor: 1		Analysis Time...: 22:31		
Barium	8.5	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01AU
		Dilution Factor: 1		Analysis Time...: 22:31		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01AV
		Dilution Factor: 1		Analysis Time...: 22:31		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01AW
		Dilution Factor: 1		Analysis Time...: 22:31		
Lead	1.4	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01AX
		Dilution Factor: 1		Analysis Time...: 22:31		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01A0
		Dilution Factor: 1		Analysis Time...: 22:31		
Selenium	16	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE01A1
		Dilution Factor: 1		Analysis Time...: 22:31		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: COSTANZ-6S92W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-011**

**Matrix.....: WATER**

**Date Sampled...: 08/01/06 18:00    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6216015						
Calcium	110000 L	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE11A2
		Dilution Factor: 1		Analysis Time...: 13:31		
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE11A3
		Dilution Factor: 1		Analysis Time...: 13:31		
Magnesium	100000	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE11AA
		Dilution Factor: 1		Analysis Time...: 13:31		
Potassium	3700	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE11AC
		Dilution Factor: 1		Analysis Time...: 13:31		
Sodium	150000	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAKE11AD
		Dilution Factor: 1		Analysis Time...: 13:31		
Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11AT
		Dilution Factor: 1		Analysis Time...: 22:34		
Barium	24	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11AU
		Dilution Factor: 1		Analysis Time...: 22:34		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11AV
		Dilution Factor: 1		Analysis Time...: 22:34		
Chromium	3.4	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11AW
		Dilution Factor: 1		Analysis Time...: 22:34		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11AX
		Dilution Factor: 1		Analysis Time...: 22:34		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11A0
		Dilution Factor: 1		Analysis Time...: 22:34		
Selenium	9.5	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAKE11A1
		Dilution Factor: 1		Analysis Time...: 22:34		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: STEWART-6S93W-1**

**TOTAL Metals**

**Lot-Sample #...: D6H030225-012**

**Matrix.....: WATER**

**Date Sampled...: 07/31/06 09:30 Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6216015</b>						
<b>Calcium</b>	<b>110000 L</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKE31A2</b>
		Dilution Factor: 1		Analysis Time...: 13:37		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKE31A3</b>
		Dilution Factor: 1		Analysis Time...: 13:37		
<b>Magnesium</b>	<b>54000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKE31AA</b>
		Dilution Factor: 1		Analysis Time...: 13:37		
<b>Potassium</b>	<b>3600</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKE31AC</b>
		Dilution Factor: 1		Analysis Time...: 13:37		
<b>Sodium</b>	<b>220000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/04-08/07/06</b>	<b>JAKE31AD</b>
		Dilution Factor: 1		Analysis Time...: 13:37		
<b>Prep Batch #...: 6216234</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31AT</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Barium</b>	<b>20</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31AU</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31AV</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31AW</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Lead</b>	<b>1.3</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31AX</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Manganese</b>	<b>460</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31A0</b>
		Dilution Factor: 1		Analysis Time...: 22:38		
<b>Selenium</b>	<b>5.8</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/07-08/10/06</b>	<b>JAKE31A1</b>
		Dilution Factor: 1		Analysis Time...: 22:38		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GREEN-6S93W-10**

**General Chemistry**

**Lot-Sample #...: D6H030225-001    Work Order #...: JAKD5    Matrix.....: WATER**  
**Date Sampled...: 07/31/06 14:15    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
<b>pH</b>	<b>7.4</b>	<b>0.10</b>	<b>No Units</b>	<b>MCAWW 150.1</b>	<b>08/04/06</b>	<b>6216543</b>
		Dilution Factor: 1		Analysis Time...: 17:03		
<b>Bicarbonate, as CaCO<sub>3</sub></b>	<b>370</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/14/06</b>	<b>6227140</b>
		Dilution Factor: 1		Analysis Time...: 09:45		
<b>Bromide</b>	<b>3.4 G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/03/06</b>	<b>6219561</b>
		Dilution Factor: 5		Analysis Time...: 14:14		
<b>Carbonate, as CaCO<sub>3</sub></b>	<b>ND</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/14/06</b>	<b>6227142</b>
		Dilution Factor: 1		Analysis Time...: 09:45		
<b>Chloride</b>	<b>790 Q</b>	<b>60</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/03-08/04/06</b>	<b>6219556</b>
		Dilution Factor: 20		Analysis Time...: 06:59		
<b>Fluoride</b>	<b>ND G</b>	<b>2.5</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/03/06</b>	<b>6219557</b>
		Dilution Factor: 5		Analysis Time...: 14:14		
<b>Nitrate</b>	<b>ND G</b>	<b>2.5</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/03/06</b>	<b>6219558</b>
		Dilution Factor: 5		Analysis Time...: 14:14		
<b>Nitrite</b>	<b>ND G</b>	<b>2.5</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/03/06</b>	<b>6219559</b>
		Dilution Factor: 5		Analysis Time...: 14:14		
<b>Sulfate</b>	<b>2500 Q</b>	<b>500</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/04/06</b>	<b>6221474</b>
		Dilution Factor: 100		Analysis Time...: 18:13		
<b>Total Dissolved Solids</b>	<b>6300 Q</b>	<b>20</b>	<b>mg/L</b>	<b>MCAWW 160.1</b>	<b>08/04/06</b>	<b>6216551</b>
		Dilution Factor: 2		Analysis Time...: 15:30		

**NOTE (S) :**

RL Reporting Limit

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

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: CHR-6S92W-1**

**General Chemistry**

**Lot-Sample #...** D6H030225-002    **Work Order #...** JAKEF    **Matrix.....:** WATER  
**Date Sampled...** 08/01/06 12:05    **Date Received...** 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:05		
Bicarbonate, as CaCO <sub>3</sub>	420	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 14:29		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	19	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 14:29		
Fluoride	1.7	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 14:29		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 14:29		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 14:29		
Sulfate	150 Q	25	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 5		Analysis Time...: 07:30		
Total Dissolved Solids	720	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time...: 18:30		

**NOTE(S) :**

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: WININGTON-6S93W-3

## General Chemistry

Lot-Sample #...: D6H030225-003    Work Order #...: JAKEG    Matrix.....: WATER  
 Date Sampled...: 07/31/06 17:10    Date Received...: 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:08		
Bicarbonate, as CaCO <sub>3</sub>	350	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 15:17		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	8.2	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 15:17		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 15:17		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 15:17		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 15:17		
Sulfate	340 Q	50	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 10		Analysis Time...: 08:18		
Total Dissolved Solids	940	10	mg/L	MCAWW 160.1	08/04/06	6216551
		Dilution Factor: 1		Analysis Time...: 15:30		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PENN-5S92W-31

General Chemistry

Lot-Sample #...: D6H030225-005    Work Order #...: JAKEM    Matrix.....: WATER  
Date Sampled...: 08/01/06 13:00    Date Received...: 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:10		
Bicarbonate, as CaCO <sub>3</sub>	390	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 15:33		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	12	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 15:33		
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 15:33		
Nitrate	0.63	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 15:33		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 15:33		
Sulfate	340 Q	50	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 10		Analysis Time...: 08:33		
Total Dissolved Solids	940	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time...: 18:30		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BAIN-6S93W-10**

**General Chemistry**

**Lot-Sample #...** D6H030225-006    **Work Order #...** JAKEN    **Matrix.....** WATER  
**Date Sampled...** 08/01/06 09:30    **Date Received...** 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:12		
Bicarbonate, as CaCO <sub>3</sub>	410	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 15:48		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	17	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 15:48		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 15:48		
Nitrate	1.6	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 15:48		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 15:48		
Sulfate	380 Q	50	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 10		Analysis Time...: 08:49		
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time...: 18:30		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: POLLARD-6S92W-4**

**General Chemistry**

**Lot-Sample #....: D6H030225-007    Work Order #....: JAKEQ    Matrix.....: WATER**  
**Date Sampled....: 08/01/06 08:30    Date Received...: 08/03/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.2	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:15		
Bicarbonate, as CaCO <sub>3</sub>	350	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 17:39		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	10	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 17:39		
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 17:39		
Nitrate	0.69	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 17:39		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 17:39		
Sulfate	520 Q	100	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 20		Analysis Time...: 09:05		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time...: 18:30		

**NOTE(S) :**

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: BLAIR-5S92W-36

## General Chemistry

Lot-Sample #...: D6H030225-008    Work Order #...: JAKER    Matrix.....: WATER  
 Date Sampled...: 08/01/06 11:30    Date Received...: 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:19		
Bicarbonate, as CaCO <sub>3</sub>	340	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	0.28	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 16:52		
Carbonate, as CaCO <sub>3</sub>	17	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	170 Q	30	mg/L	MCAWW 300.0A	08/03-08/04/06	6219556
		Dilution Factor: 10		Analysis Time...: 09:21		
Fluoride	1.4	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 16:52		
Nitrate	0.89	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 16:52		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 16:52		
Sulfate	300 Q	50	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 10		Analysis Time...: 09:21		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time...: 18:30		

## NOTE(S) :

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: SUITES-5S92W-35

## General Chemistry

Lot-Sample #....: D6H030225-009      Work Order #....: JAKEX      Matrix.....: WATER  
 Date Sampled....: 07/31/06 14:40      Date Received...: 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/04/06	6216543
			Dilution Factor: 1	Analysis Time...: 17:25		
Bicarbonate, as CaCO <sub>3</sub>	310	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
			Dilution Factor: 1	Analysis Time...: 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
			Dilution Factor: 1	Analysis Time...: 17:07		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
			Dilution Factor: 1	Analysis Time...: 09:45		
Chloride	8.6	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
			Dilution Factor: 1	Analysis Time...: 17:07		
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
			Dilution Factor: 1	Analysis Time...: 17:07		
Nitrate	0.58	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
			Dilution Factor: 1	Analysis Time...: 17:07		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
			Dilution Factor: 1	Analysis Time...: 17:07		
Sulfate	170 Q	25	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
			Dilution Factor: 5	Analysis Time...: 10:08		
Total Dissolved Solids	610	10	mg/L	MCAWW 160.1	08/04/06	6216551
			Dilution Factor: 1	Analysis Time...: 15:30		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PATTON-5S92W-36**

**General Chemistry**

Lot-Sample #....: D6H030225-010      Work Order #....: JAKE0      Matrix.....: WATER  
 Date Sampled....: 07/31/06 13:05      Date Received...: 08/03/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.2	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:28		
Bicarbonate, as CaCO <sub>3</sub>	350	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	0.21	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 17:23		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	26	3.0	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1		Analysis Time...: 17:23		
Fluoride	0.80	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 17:23		
Nitrate	0.76	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 17:23		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 17:23		
Sulfate	600 Q	100	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 20		Analysis Time...: 10:24		
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	08/04/06	6216551
		Dilution Factor: 1		Analysis Time...: 15:30		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: COSTANZ-6S92W-6**

**General Chemistry**

**Lot-Sample #...** D6H030225-011    **Work Order #...** JAKE1    **Matrix.....** WATER  
**Date Sampled...** 08/01/06 18:00    **Date Received...** 08/03/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.4	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time... 17:37		
Bicarbonate, as CaCO <sub>3</sub>	480	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time... 09:45		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time... 16:36		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time... 09:45		
Chloride	160 Q	15	mg/L	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 5		Analysis Time... 20:01		
Fluoride	0.88	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time... 16:36		
Nitrate	1.4	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time... 16:36		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time... 16:36		
Sulfate	260 Q	50	mg/L	MCAWW 300.0A	08/03/06	6219560
		Dilution Factor: 10		Analysis Time... 20:17		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/04/06	6216552
		Dilution Factor: 1		Analysis Time... 18:30		

**NOTE(S):**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: STEWART-6S93W-1**

**General Chemistry**

Lot-Sample #....: D6H030225-012      Work Order #....: JAKE3      Matrix.....: WATER  
 Date Sampled....: 07/31/06 09:30      Date Received...: 08/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1		Analysis Time...: 17:38		
Bicarbonate, as CaCO <sub>3</sub>	370	5.0	mg/L	MCAWW 310.1	08/14/06	6227140
		Dilution Factor: 1		Analysis Time...: 09:45		
Bromide	0.26	0.20	mg/L	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1		Analysis Time...: 17:55		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/14/06	6227142
		Dilution Factor: 1		Analysis Time...: 09:45		
Chloride	150 Q	30	mg/L	MCAWW 300.0A	08/03-08/04/06	6219556
		Dilution Factor: 10		Analysis Time...: 10:40		
Fluoride	0.60	0.50	mg/L	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1		Analysis Time...: 17:55		
Nitrate	0.90	0.50	mg/L	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1		Analysis Time...: 17:55		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1		Analysis Time...: 17:55		
Sulfate	370 Q	50	mg/L	MCAWW 300.0A	08/03-08/04/06	6219560
		Dilution Factor: 10		Analysis Time...: 10:40		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/04/06	6216551
		Dilution Factor: 1		Analysis Time...: 15:30		

**NOTE(S) :**

RL Reporting Limit

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

# QC DATA ASSOCIATION SUMMARY

D6H030225

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216551	6219363
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6221474	6222094
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
002	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
003	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216551	6219363
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335

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# QC DATA ASSOCIATION SUMMARY

D6H030225

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	RSK SOP-175		6221253	
004	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
005	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
006	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
007	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H030225

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
007	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
008	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
009	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216551	6219363
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
010	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216551	6219363
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H030225

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
011	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216552	6219364
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
012	WATER	MCAWW 150.1		6216543	6220366
	WATER	MCAWW 160.1		6216551	6219363
	WATER	MCAWW 200.7		6216015	6216009
	WATER	MCAWW 310.1		6227142	
	WATER	MCAWW 300.0A		6219556	6220261
	WATER	MCAWW 300.0A		6219560	6220266
	WATER	MCAWW 300.0A		6219557	6220259
	WATER	MCAWW 300.0A		6219558	6220265
	WATER	MCAWW 300.0A		6219561	6220264
	WATER	MCAWW 300.0A		6219559	6220262
	WATER	MCAWW 200.8		6216234	6216139
	WATER	MCAWW 310.1		6227140	
	WATER	SW846 8021B		6220510	6220335
	WATER	RSK SOP-175		6221253	
013	WATER	SW846 8021B		6220510	6220335

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H030225  
MB Lot-Sample #: D6H090000-253  
Analysis Date...: 08/07/06  
Dilution Factor: 1

Work Order #...: JAXWQ1AA  
Prep Date.....: 08/07/06  
Prep Batch #...: 6221253

Matrix.....: WATER  
Analysis Time...: 09:44

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 #...: D6H030225      Work Order #...: JAXWQ1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H090000-253      JAXWQ1AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6221253      Analysis Time...: 09:34  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	98	(69 - 125)			RSK SOP-175
	108	(69 - 125)	10	(0-20)	RSK SOP-175
Ethane	100	(60 - 135)			RSK SOP-175
	110	(60 - 135)	9.9	(0-20)	RSK SOP-175
Ethene	103	(64 - 134)			RSK SOP-175
	112	(64 - 134)	8.6	(0-20)	RSK SOP-175
Acetylene	107	(60 - 120)			RSK SOP-175
	108	(60 - 120)	1.4	(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 #...: D6H030225      Work Order #...: JAXWQ1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H090000-253      JAXWQ1AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6221253      Analysis Time...: 09:34  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Methane	73.0	71.4	ug/L	98		RSK SOP-175
	73.0	79.0	ug/L	108	10	RSK SOP-175
Ethane	137	137	ug/L	100		RSK SOP-175
	137	151	ug/L	110	9.9	RSK SOP-175
Ethene	127	130	ug/L	103		RSK SOP-175
	127	142	ug/L	112	8.6	RSK SOP-175
Acetylene	118	126	ug/L	107		RSK SOP-175
	118	128	ug/L	108	1.4	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

## GC Volatiles

Client Lot #...: D6H030225  
MB Lot-Sample #: D6H080000-510

Work Order #...: JAWRE1AA

Matrix.....: WATER

Analysis Date...: 08/07/06

Prep Date.....: 08/07/06

Analysis Time...: 11:00

Dilution Factor: 1

Prep Batch #...: 6220510

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

### NOTE (S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H030225      Work Order #...: JAWRE1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H080000-510      JAWRE1AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6220510      Analysis Time...: 12:13  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	101	(75 - 117)			SW846 8021B
	96	(75 - 117)	5.0	(0-45)	SW846 8021B
Ethylbenzene	100	(79 - 115)			SW846 8021B
	96	(79 - 115)	4.5	(0-46)	SW846 8021B
Chlorobenzene	96	(81 - 115)			SW846 8021B
	91	(81 - 115)	4.9	(0-35)	SW846 8021B
Toluene	99	(77 - 115)			SW846 8021B
	94	(77 - 115)	5.6	(0-45)	SW846 8021B
Xylenes (total)	99	(79 - 116)			SW846 8021B
	95	(79 - 116)	4.4	(0-46)	SW846 8021B
1,3-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	94	(80 - 115)	2.5	(0-35)	SW846 8021B
1,4-Dichlorobenzene	97	(79 - 115)			SW846 8021B
	95	(79 - 115)	2.7	(0-35)	SW846 8021B
1,2-Dichlorobenzene	93	(80 - 115)			SW846 8021B
	91	(80 - 115)	1.5	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)
	94	(85 - 115)

### 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 #...: D6H030225      Work Order #...: JAWRE1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H080000-510      JAWRE1AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6220510      Analysis Time...: 12:13  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	20.2	ug/L	101		SW846 8021B
	20.0	19.2	ug/L	96	5.0	SW846 8021B
Ethylbenzene	20.0	20.1	ug/L	100		SW846 8021B
	20.0	19.2	ug/L	96	4.5	SW846 8021B
Chlorobenzene	20.0	19.2	ug/L	96		SW846 8021B
	20.0	18.3	ug/L	91	4.9	SW846 8021B
Toluene	20.0	19.9	ug/L	99		SW846 8021B
	20.0	18.8	ug/L	94	5.6	SW846 8021B
Xylenes (total)	60.0	59.7	ug/L	99		SW846 8021B
	60.0	57.1	ug/L	95	4.4	SW846 8021B
1,3-Dichlorobenzene	20.0	19.2	ug/L	96		SW846 8021B
	20.0	18.7	ug/L	94	2.5	SW846 8021B
1,4-Dichlorobenzene	20.0	19.5	ug/L	97		SW846 8021B
	20.0	19.0	ug/L	95	2.7	SW846 8021B
1,2-Dichlorobenzene	20.0	18.5	ug/L	93		SW846 8021B
	20.0	18.3	ug/L	91	1.5	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)
	94	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H030225      Work Order #...: JAKD51A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H030225-001      JAKD51A5-MSD  
 Date Sampled...: 07/31/06 14:15      Date Received...: 08/03/06  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6220510      Analysis Time...: 14:36  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Benzene	103	(75 - 117)			SW846 8021B
	93	(75 - 117)	10	(0-45)	SW846 8021B
Ethylbenzene	102	(79 - 115)			SW846 8021B
	94	(79 - 115)	8.5	(0-46)	SW846 8021B
Chlorobenzene	97	(81 - 115)			SW846 8021B
	90	(81 - 115)	7.7	(0-35)	SW846 8021B
Toluene	100	(77 - 115)			SW846 8021B
	92	(77 - 115)	8.9	(0-45)	SW846 8021B
Xylenes (total)	101	(79 - 116)			SW846 8021B
	93	(79 - 116)	8.2	(0-46)	SW846 8021B
1,3-Dichlorobenzene	98	(80 - 115)			SW846 8021B
	92	(80 - 115)	6.1	(0-35)	SW846 8021B
1,4-Dichlorobenzene	98	(79 - 115)			SW846 8021B
	92	(79 - 115)	6.4	(0-35)	SW846 8021B
1,2-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	90	(80 - 115)	5.9	(0-35)	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	94	(85 - 115)

### 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 Volatiles

Client Lot #...: D6H030225      Work Order #...: JAKD51A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H030225-001      JAKD51A5-MSD  
 Date Sampled...: 07/31/06 14:15      Date Received...: 08/03/06  
 Prep Date.....: 08/07/06      Analysis Date...: 08/07/06  
 Prep Batch #...: 6220510      Analysis Time...: 14:36  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	20.6	ug/L	103		SW846 8021B
	ND	20.0	18.6	ug/L	93	10	SW846 8021B
Ethylbenzene	ND	20.0	20.4	ug/L	102		SW846 8021B
	ND	20.0	18.8	ug/L	94	8.5	SW846 8021B
Chlorobenzene	ND	20.0	19.5	ug/L	97		SW846 8021B
	ND	20.0	18.0	ug/L	90	7.7	SW846 8021B
Toluene	ND	20.0	20.0	ug/L	100		SW846 8021B
	ND	20.0	18.3	ug/L	92	8.9	SW846 8021B
Xylenes (total)	ND	60.0	60.6	ug/L	101		SW846 8021B
	ND	60.0	55.9	ug/L	93	8.2	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	19.7	ug/L	98		SW846 8021B
	ND	20.0	18.5	ug/L	92	6.1	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	19.7	ug/L	98		SW846 8021B
	ND	20.0	18.4	ug/L	92	6.4	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	19.1	ug/L	96		SW846 8021B
	ND	20.0	18.1	ug/L	90	5.9	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	94	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D6H040000-015 Prep Batch #...: 6216015						
Calcium	ND	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAL461AE
		Dilution Factor: 1				
		Analysis Time...: 11:23				
Iron	ND	100	ug/L	MCAWW 200.7	08/04-08/07/06	JAL461AF
		Dilution Factor: 1				
		Analysis Time...: 11:23				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/04-08/07/06	JAL461AH
		Dilution Factor: 1				
		Analysis Time...: 11:23				
Potassium	ND	3000	ug/L	MCAWW 200.7	08/04-08/07/06	JAL461AG
		Dilution Factor: 1				
		Analysis Time...: 11:23				
Sodium	ND	5000	ug/L	MCAWW 200.7	08/04-08/07/06	JAL461AK
		Dilution Factor: 1				
		Analysis Time...: 11:23				
MB Lot-Sample #: D6H040000-234 Prep Batch #...: 6216234						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPF1AA
		Dilution Factor: 1				
		Analysis Time...: 21:40				
Barium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPF1AC
		Dilution Factor: 1				
		Analysis Time...: 21:40				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPF1AD
		Dilution Factor: 1				
		Analysis Time...: 21:40				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPF1AE
		Dilution Factor: 1				
		Analysis Time...: 21:40				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPF1AF
		Dilution Factor: 1				
		Analysis Time...: 21:40				

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# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPFLAG
		Dilution Factor: 1				
		Analysis Time...: 21:40				
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/07-08/10/06	JAMPFLAH
		Dilution Factor: 1				
		Analysis Time...: 21:40				

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D6H040000-015 Prep Batch #...: 6216015					
Calcium	107	(90 - 111)	MCAWW 200.7	08/04-08/07/06	JAL461AQ
		Dilution Factor: 1	Analysis Time...: 11:29		
Iron	105	(89 - 116)	MCAWW 200.7	08/04-08/07/06	JAL461AR
		Dilution Factor: 1	Analysis Time...: 11:29		
Magnesium	106	(92 - 113)	MCAWW 200.7	08/04-08/07/06	JAL461AU
		Dilution Factor: 1	Analysis Time...: 11:29		
Potassium	105	(89 - 114)	MCAWW 200.7	08/04-08/07/06	JAL461AT
		Dilution Factor: 1	Analysis Time...: 11:29		
Sodium	106	(90 - 117)	MCAWW 200.7	08/04-08/07/06	JAL461AW
		Dilution Factor: 1	Analysis Time...: 11:29		
LCS Lot-Sample#: D6H040000-234 Prep Batch #...: 6216234					
Arsenic	102	(89 - 111)	MCAWW 200.8	08/07-08/10/06	JAMPF1AJ
		Dilution Factor: 1	Analysis Time...: 21:44		
Barium	102	(89 - 117)	MCAWW 200.8	08/07-08/10/06	JAMPF1AK
		Dilution Factor: 1	Analysis Time...: 21:44		
Cadmium	100	(89 - 111)	MCAWW 200.8	08/07-08/10/06	JAMPF1AL
		Dilution Factor: 1	Analysis Time...: 21:44		
Chromium	107	(86 - 124)	MCAWW 200.8	08/07-08/10/06	JAMPF1AM
		Dilution Factor: 1	Analysis Time...: 21:44		
Lead	99	(88 - 119)	MCAWW 200.8	08/07-08/10/06	JAMPF1AN
		Dilution Factor: 1	Analysis Time...: 21:44		
Manganese	104	(87 - 124)	MCAWW 200.8	08/07-08/10/06	JAMPF1AP
		Dilution Factor: 1	Analysis Time...: 21:44		
Selenium	103	(82 - 114)	MCAWW 200.8	08/07-08/10/06	JAMPF1AQ
		Dilution Factor: 1	Analysis Time...: 21:44		

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D6H040000-015 Prep Batch #...: 6216015							
Calcium	50000	53400	ug/L	107	MCAWW 200.7	08/04-08/07/06	JAL461AQ
			Dilution Factor: 1		Analysis Time...: 11:29		
Iron	1000	1050	ug/L	105	MCAWW 200.7	08/04-08/07/06	JAL461AR
			Dilution Factor: 1		Analysis Time...: 11:29		
Magnesium	50000	52800	ug/L	106	MCAWW 200.7	08/04-08/07/06	JAL461AU
			Dilution Factor: 1		Analysis Time...: 11:29		
Potassium	50000	52600	ug/L	105	MCAWW 200.7	08/04-08/07/06	JAL461AT
			Dilution Factor: 1		Analysis Time...: 11:29		
Sodium	50000	52800	ug/L	106	MCAWW 200.7	08/04-08/07/06	JAL461AW
			Dilution Factor: 1		Analysis Time...: 11:29		
LCS Lot-Sample#: D6H040000-234 Prep Batch #...: 6216234							
Arsenic	40.0	40.7	ug/L	102	MCAWW 200.8	08/07-08/10/06	JAMPF1AJ
			Dilution Factor: 1		Analysis Time...: 21:44		
Barium	40.0	40.8	ug/L	102	MCAWW 200.8	08/07-08/10/06	JAMPF1AK
			Dilution Factor: 1		Analysis Time...: 21:44		
Cadmium	40.0	40.0	ug/L	100	MCAWW 200.8	08/07-08/10/06	JAMPF1AL
			Dilution Factor: 1		Analysis Time...: 21:44		
Chromium	40.0	42.7	ug/L	107	MCAWW 200.8	08/07-08/10/06	JAMPF1AM
			Dilution Factor: 1		Analysis Time...: 21:44		
Lead	40.0	39.5	ug/L	99	MCAWW 200.8	08/07-08/10/06	JAMPF1AN
			Dilution Factor: 1		Analysis Time...: 21:44		
Manganese	40.0	41.4	ug/L	104	MCAWW 200.8	08/07-08/10/06	JAMPF1AP
			Dilution Factor: 1		Analysis Time...: 21:44		
Selenium	40.0	41.2	ug/L	103	MCAWW 200.8	08/07-08/10/06	JAMPF1AQ
			Dilution Factor: 1		Analysis Time...: 21:44		

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

Date Sampled...: 07/31/06 10:00 Date Received...: 07/31/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6G310176-001 Prep Batch #...: 6216015</b>						
Calcium	107	(90 - 111)		MCAWW 200.7	08/04-08/07/06	JAC2L1C0
	106	(90 - 111)	1.3 (0-20)	MCAWW 200.7	08/04-08/07/06	JAC2L1C1
			Dilution Factor: 1			
			Analysis Time...: 11:52			
Iron	107	(89 - 116)		MCAWW 200.7	08/04-08/07/06	JAC2L1C2
	111	(89 - 116)	2.8 (0-20)	MCAWW 200.7	08/04-08/07/06	JAC2L1C3
			Dilution Factor: 1			
			Analysis Time...: 11:52			
Magnesium	104	(92 - 113)		MCAWW 200.7	08/04-08/07/06	JAC2L1C6
	104	(92 - 113)	0.57 (0-20)	MCAWW 200.7	08/04-08/07/06	JAC2L1C7
			Dilution Factor: 1			
			Analysis Time...: 11:52			
Potassium	113	(89 - 114)		MCAWW 200.7	08/04-08/07/06	JAC2L1C4
	111	(89 - 114)	1.7 (0-20)	MCAWW 200.7	08/04-08/07/06	JAC2L1C5
			Dilution Factor: 1			
			Analysis Time...: 11:52			
Sodium	NC,MSB	(90 - 117)		MCAWW 200.7	08/04-08/07/06	JAC2L1DA
	NC,MSB	(90 - 117)	(0-20)	MCAWW 200.7	08/04-08/07/06	JAC2L1DC
			Dilution Factor: 1			
			Analysis Time...: 11:52			

### 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.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

Date Sampled...: 07/31/06 10:00 Date Received...: 07/31/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6G310176-001 Prep Batch #...: 6216015									
Calcium									
	1400	50000	54900	ug/L	107		MCAWW 200.7	08/04-08/07/06	JAC2L1C0
	1400	50000	54200	ug/L	106	1.3	MCAWW 200.7	08/04-08/07/06	JAC2L1C1
Dilution Factor: 1									
Analysis Time...: 11:52									
Iron									
	ND	1000	1160	ug/L	107		MCAWW 200.7	08/04-08/07/06	JAC2L1C2
	ND	1000	1190	ug/L	111	2.8	MCAWW 200.7	08/04-08/07/06	JAC2L1C3
Dilution Factor: 1									
Analysis Time...: 11:52									
Magnesium									
	270	50000	52400	ug/L	104		MCAWW 200.7	08/04-08/07/06	JAC2L1C6
	270	50000	52100	ug/L	104	0.57	MCAWW 200.7	08/04-08/07/06	JAC2L1C7
Dilution Factor: 1									
Analysis Time...: 11:52									
Potassium									
	ND	50000	58200	ug/L	113		MCAWW 200.7	08/04-08/07/06	JAC2L1C4
	ND	50000	57200	ug/L	111	1.7	MCAWW 200.7	08/04-08/07/06	JAC2L1C5
Dilution Factor: 1									
Analysis Time...: 11:52									
Sodium									
	250000	50000	302000	ug/L			MCAWW 200.7	08/04-08/07/06	JAC2L1DA
Qualifiers: NC,MSB									
	250000	50000	300000	ug/L			MCAWW 200.7	08/04-08/07/06	JAC2L1DC
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 11:52									

### 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.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

Date Sampled...: 08/01/06 12:05 Date Received...: 08/03/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H030225-002 Prep Batch #...: 6216234</b>							
Arsenic	101	(79 - 120)			MCAWW 200.8	08/07-08/10/06	JAKEF1A4
	102	(79 - 120)	1.4	(0-30)	MCAWW 200.8	08/07-08/10/06	JAKEF1A5
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Barium	97	(83 - 118)			MCAWW 200.8	08/07-08/10/06	JAKEF1A6
	96	(83 - 118)	0.38	(0-30)	MCAWW 200.8	08/07-08/10/06	JAKEF1A7
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Cadmium	97	(82 - 115)			MCAWW 200.8	08/07-08/10/06	JAKEF1A8
	98	(82 - 115)	0.98	(0-30)	MCAWW 200.8	08/07-08/10/06	JAKEF1A9
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Chromium	102	(80 - 124)			MCAWW 200.8	08/07-08/10/06	JAKEF1CA
	107	(80 - 124)	4.4	(0-30)	MCAWW 200.8	08/07-08/10/06	JAKEF1CC
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Lead	93	(79 - 119)			MCAWW 200.8	08/07-08/10/06	JAKEF1CD
	95	(79 - 119)	2.2	(0-30)	MCAWW 200.8	08/07-08/10/06	JAKEF1CE
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Manganese	104	(57 - 149)			MCAWW 200.8	08/07-08/10/06	JAKEF1CF
	108	(57 - 149)	1.7	(0-35)	MCAWW 200.8	08/07-08/10/06	JAKEF1CG
			Dilution Factor: 1				
			Analysis Time...: 21:54				
Selenium	102	(64 - 134)			MCAWW 200.8	08/07-08/10/06	JAKEF1CH
	100	(64 - 134)	1.8	(0-35)	MCAWW 200.8	08/07-08/10/06	JAKEF1CJ
			Dilution Factor: 1				
			Analysis Time...: 21:54				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H030225

Matrix.....: WATER

Date Sampled...: 08/01/06 12:05 Date Received...: 08/03/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H030225-002 Prep Batch #...: 6216234

### Arsenic

ND	40.0	41.1	ug/L	101			MCAWW 200.8	08/07-08/10/06	JAKEF1A4
ND	40.0	41.7	ug/L	102	1.4		MCAWW 200.8	08/07-08/10/06	JAKEF1A5
Dilution Factor: 1									
Analysis Time...: 21:54									

### Barium

29	40.0	67.8	ug/L	97			MCAWW 200.8	08/07-08/10/06	JAKEF1A6
29	40.0	67.5	ug/L	96	0.38		MCAWW 200.8	08/07-08/10/06	JAKEF1A7
Dilution Factor: 1									
Analysis Time...: 21:54									

### Cadmium

ND	40.0	38.8	ug/L	97			MCAWW 200.8	08/07-08/10/06	JAKEF1A8
ND	40.0	39.2	ug/L	98	0.98		MCAWW 200.8	08/07-08/10/06	JAKEF1A9
Dilution Factor: 1									
Analysis Time...: 21:54									

### Chromium

ND	40.0	42.6	ug/L	102			MCAWW 200.8	08/07-08/10/06	JAKEF1CA
ND	40.0	44.5	ug/L	107	4.4		MCAWW 200.8	08/07-08/10/06	JAKEF1CC
Dilution Factor: 1									
Analysis Time...: 21:54									

### Lead

ND	40.0	37.8	ug/L	93			MCAWW 200.8	08/07-08/10/06	JAKEF1CD
ND	40.0	38.7	ug/L	95	2.2		MCAWW 200.8	08/07-08/10/06	JAKEF1CE
Dilution Factor: 1									
Analysis Time...: 21:54									

### Manganese

62	40.0	104	ug/L	104			MCAWW 200.8	08/07-08/10/06	JAKEF1CF
62	40.0	105	ug/L	108	1.7		MCAWW 200.8	08/07-08/10/06	JAKEF1CG
Dilution Factor: 1									
Analysis Time...: 21:54									

### Selenium

ND	40.0	45.5	ug/L	102			MCAWW 200.8	08/07-08/10/06	JAKEF1CH
ND	40.0	44.7	ug/L	100	1.8		MCAWW 200.8	08/07-08/10/06	JAKEF1CJ
Dilution Factor: 1									
Analysis Time...: 21:54									

### NOTE(S) :

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

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO3	ND	Work Order #: JCC671AA 5.0	mg/L	MB Lot-Sample #: D6H150000-140 MCAWW 310.1	08/14/06	6227140
Dilution Factor: 1 Analysis Time...: 09:45						
Bromide	ND	Work Order #: JAV6W1AA 0.20	mg/L	MB Lot-Sample #: D6H070000-561 MCAWW 300.0A	08/03/06	6219561
Dilution Factor: 1 Analysis Time...: 13:58						
Carbonate, as CaCO3	ND	Work Order #: JCC7D1AA 5.0	mg/L	MB Lot-Sample #: D6H150000-142 MCAWW 310.1	08/14/06	6227142
Dilution Factor: 1 Analysis Time...: 09:45						
Chloride	ND	Work Order #: JAV6P1AA 3.0	mg/L	MB Lot-Sample #: D6H070000-556 MCAWW 300.0A	08/03/06	6219556
Dilution Factor: 1 Analysis Time...: 13:58						
Fluoride	ND	Work Order #: JAV6M1AA 0.50	mg/L	MB Lot-Sample #: D6H070000-557 MCAWW 300.0A	08/03/06	6219557
Dilution Factor: 1 Analysis Time...: 13:58						
Nitrate	ND	Work Order #: JAV601AA 0.50	mg/L	MB Lot-Sample #: D6H070000-558 MCAWW 300.0A	08/03/06	6219558
Dilution Factor: 1 Analysis Time...: 13:58						
Nitrite	ND	Work Order #: JAV6T1AA 0.50	mg/L	MB Lot-Sample #: D6H070000-559 MCAWW 300.0A	08/03/06	6219559
Dilution Factor: 1 Analysis Time...: 13:58						
Sulfate	ND	Work Order #: JAV611AA 5.0	mg/L	MB Lot-Sample #: D6H070000-560 MCAWW 300.0A	08/03/06	6219560
Dilution Factor: 1 Analysis Time...: 13:58						
Sulfate	ND	Work Order #: JA1761AA 5.0	mg/L	MB Lot-Sample #: D6H090000-474 MCAWW 300.0A	08/04/06	6221474
Dilution Factor: 1 Analysis Time...: 14:32						

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# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H030225

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	08/04/06	6216551
Work Order #: JATE81AA MB Lot-Sample #: D6H040000-551 Dilution Factor: 1 Analysis Time...: 15:30						
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	08/04/06	6216552
Work Order #: JATFE1AA MB Lot-Sample #: D6H040000-552 Dilution Factor: 1 Analysis Time...: 18:30						

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H030225

Matrix.....: WATER

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
pH		WO#:JAW0H1AA-LCS/JAW0H1AC-LCSD LCS Lot-Sample#: D6H040000-543			
	100	(97 - 102)		MCAWW 150.1	08/04/06 6216543
	100	(97 - 102) 0.28 (0-5.0)	MCAWW 150.1	08/04/06	6216543
		Dilution Factor: 1	Analysis Time...: 10:13		
Bromide		WO#:JAV6W1AC-LCS/JAV6W1AD-LCSD LCS Lot-Sample#: D6H070000-561			
	99	(90 - 110)		MCAWW 300.0A	08/03/06 6219561
	99	(90 - 110) 0.29 (0-10)	MCAWW 300.0A	08/03/06	6219561
		Dilution Factor: 1	Analysis Time...: 13:26		
Chloride		WO#:JAV6P1AC-LCS/JAV6P1AD-LCSD LCS Lot-Sample#: D6H070000-556			
	100	(90 - 110)		MCAWW 300.0A	08/03/06 6219556
	100	(90 - 110) 0.22 (0-10)	MCAWW 300.0A	08/03/06	6219556
		Dilution Factor: 1	Analysis Time...: 13:26		
Fluoride		WO#:JAV6M1AC-LCS/JAV6M1AD-LCSD LCS Lot-Sample#: D6H070000-557			
	103	(90 - 110)		MCAWW 300.0A	08/03/06 6219557
	104	(90 - 110) 0.14 (0-10)	MCAWW 300.0A	08/03/06	6219557
		Dilution Factor: 1	Analysis Time...: 13:26		
Nitrate		WO#:JAV601AC-LCS/JAV601AD-LCSD LCS Lot-Sample#: D6H070000-558			
	100	(90 - 110)		MCAWW 300.0A	08/03/06 6219558
	100	(90 - 110) 0.45 (0-10)	MCAWW 300.0A	08/03/06	6219558
		Dilution Factor: 1	Analysis Time...: 13:26		
Nitrite		WO#:JAV6T1AC-LCS/JAV6T1AD-LCSD LCS Lot-Sample#: D6H070000-559			
	103	(90 - 110)		MCAWW 300.0A	08/03/06 6219559
	103	(90 - 110) 0.0 (0-10)	MCAWW 300.0A	08/03/06	6219559
		Dilution Factor: 1	Analysis Time...: 13:26		
Sulfate		WO#:JAV611AC-LCS/JAV611AD-LCSD LCS Lot-Sample#: D6H070000-560			
	100	(90 - 110)		MCAWW 300.0A	08/03/06 6219560
	101	(90 - 110) 0.55 (0-10)	MCAWW 300.0A	08/03/06	6219560
		Dilution Factor: 1	Analysis Time...: 13:26		
Sulfate		WO#:JA1761AC-LCS/JA1761AD-LCSD LCS Lot-Sample#: D6H090000-474			
	101	(90 - 110)		MCAWW 300.0A	08/04/06 6221474
	101	(90 - 110) 0.44 (0-10)	MCAWW 300.0A	08/04/06	6221474
		Dilution Factor: 1	Analysis Time...: 14:00		

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H030225

Matrix.....: WATER

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
Total Dissolved Solids		WO#:JATE81AC-LCS/JATE81AD-LCSD LCS Lot-Sample#: D6H040000-551			
	99	(86 - 106)		08/04/06	6216551
	100	(86 - 106)	0.60 (0-20)	08/04/06	6216551
		Dilution Factor: 1		Analysis Time..: 15:30	
Total Dissolved Solids		WO#:JATFE1AC-LCS/JATFE1AD-LCSD LCS Lot-Sample#: D6H040000-552			
	100	(86 - 106)		08/04/06	6216552
	100	(86 - 106)	0.20 (0-20)	08/04/06	6216552
		Dilution Factor: 1		Analysis Time..: 18:30	

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H030225

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH								
			WO#:JAW0H1AA-LCS/JAW0H1AC-LCSD LCS Lot-Sample#: D6H040000-543					
	7.00	6.99	No Units	100		MCAWW 150.1	08/04/06	6216543
	7.00	7.01	No Units	100	0.28	MCAWW 150.1	08/04/06	6216543
			Dilution Factor: 1		Analysis Time...: 10:13			
Bromide								
			WO#:JAV6W1AC-LCS/JAV6W1AD-LCSD LCS Lot-Sample#: D6H070000-561					
	4.00	3.97	mg/L	99		MCAWW 300.0A	08/03/06	6219561
	4.00	3.98	mg/L	99	0.29	MCAWW 300.0A	08/03/06	6219561
			Dilution Factor: 1		Analysis Time...: 13:26			
Chloride								
			WO#:JAV6P1AC-LCS/JAV6P1AD-LCSD LCS Lot-Sample#: D6H070000-556					
	20.0	19.9	mg/L	100		MCAWW 300.0A	08/03/06	6219556
	20.0	19.9	mg/L	100	0.22	MCAWW 300.0A	08/03/06	6219556
			Dilution Factor: 1		Analysis Time...: 13:26			
Fluoride								
			WO#:JAV6M1AC-LCS/JAV6M1AD-LCSD LCS Lot-Sample#: D6H070000-557					
	4.00	4.13	mg/L	103		MCAWW 300.0A	08/03/06	6219557
	4.00	4.14	mg/L	104	0.14	MCAWW 300.0A	08/03/06	6219557
			Dilution Factor: 1		Analysis Time...: 13:26			
Nitrate								
			WO#:JAV601AC-LCS/JAV601AD-LCSD LCS Lot-Sample#: D6H070000-558					
	4.00	3.99	mg/L	100		MCAWW 300.0A	08/03/06	6219558
	4.00	4.01	mg/L	100	0.45	MCAWW 300.0A	08/03/06	6219558
			Dilution Factor: 1		Analysis Time...: 13:26			
Nitrite								
			WO#:JAV6T1AC-LCS/JAV6T1AD-LCSD LCS Lot-Sample#: D6H070000-559					
	4.00	4.11	mg/L	103		MCAWW 300.0A	08/03/06	6219559
	4.00	4.11	mg/L	103	0.0	MCAWW 300.0A	08/03/06	6219559
			Dilution Factor: 1		Analysis Time...: 13:26			
Sulfate								
			WO#:JAV611AC-LCS/JAV611AD-LCSD LCS Lot-Sample#: D6H070000-560					
	20.0	20.1	mg/L	100		MCAWW 300.0A	08/03/06	6219560
	20.0	20.2	mg/L	101	0.55	MCAWW 300.0A	08/03/06	6219560
			Dilution Factor: 1		Analysis Time...: 13:26			
Sulfate								
			WO#:JA1761AC-LCS/JA1761AD-LCSD LCS Lot-Sample#: D6H090000-474					
	20.0	20.3	mg/L	101		MCAWW 300.0A	08/04/06	6221474
	20.0	20.2	mg/L	101	0.44	MCAWW 300.0A	08/04/06	6221474
			Dilution Factor: 1		Analysis Time...: 14:00			

(Continued on next page)

## General Chemistry

Matrix.....: WATER

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H030225

Matrix.....: WATER

Date Sampled...: 08/03/06 11:20 Date Received...: 08/04/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: JAKEF1CT-MS/JAKEF1CU-MSD MS Lot-Sample #: D6H030225-002				
	101	(80 - 120)			MCAWW 300.0A	08/03/06	6219561
	102	(80 - 120)	0.83	(0-20)	MCAWW 300.0A	08/03/06	6219561
			Dilution Factor: 1				
			Analysis Time...: 14:45				
Chloride			WO#: JAKEF1CN-MS/JAKEF1CP-MSD MS Lot-Sample #: D6H030225-002				
	103	(80 - 120)			MCAWW 300.0A	08/03/06	6219556
	103	(80 - 120)	0.38	(0-20)	MCAWW 300.0A	08/03/06	6219556
			Dilution Factor: 1				
			Analysis Time...: 14:45				
Fluoride			WO#: JAKEF1CL-MS/JAKEF1CM-MSD MS Lot-Sample #: D6H030225-002				
	99	(80 - 120)			MCAWW 300.0A	08/03/06	6219557
	100	(80 - 120)	0.52	(0-20)	MCAWW 300.0A	08/03/06	6219557
			Dilution Factor: 1				
			Analysis Time...: 14:45				
Nitrate			WO#: JAKEF1CV-MS/JAKEF1CW-MSD MS Lot-Sample #: D6H030225-002				
	100	(80 - 120)			MCAWW 300.0A	08/03/06	6219558
	101	(80 - 120)	0.55	(0-20)	MCAWW 300.0A	08/03/06	6219558
			Dilution Factor: 1				
			Analysis Time...: 14:45				
Nitrite			WO#: JAKEF1CQ-MS/JAKEF1CR-MSD MS Lot-Sample #: D6H030225-002				
	102	(80 - 120)			MCAWW 300.0A	08/03/06	6219559
	103	(80 - 120)	0.64	(0-20)	MCAWW 300.0A	08/03/06	6219559
			Dilution Factor: 1				
			Analysis Time...: 14:45				
Sulfate			WO#: JAKEF1CX-MS/JAKEF1C0-MSD MS Lot-Sample #: D6H030225-002				
	98	(80 - 120)			MCAWW 300.0A	08/03-08/04/06	6219560
	99	(80 - 120)	0.37	(0-20)	MCAWW 300.0A	08/03-08/04/06	6219560
			Dilution Factor: 5				
			Analysis Time...: 11:11				
Sulfate			WO#: JAM7P1DK-MS/JAM7P1DL-MSD MS Lot-Sample #: D6H040193-001				
	98	(80 - 120)			MCAWW 300.0A	08/04/06	6221474
	100	(80 - 120)	0.67	(0-20)	MCAWW 300.0A	08/04/06	6221474
			Dilution Factor: 5				
			Analysis Time...: 16:07				

### NOTE (S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #....: D6H030225

Matrix.....: WATER

Date Sampled...: 08/03/06 11:20 Date Received...: 08/04/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide									
WO#: JAKEF1CT-MS/JAKEF1CU-MSD MS Lot-Sample #: D6H030225-002									
	ND	5.00	5.14	mg/L	101		MCAWW 300.0A	08/03/06	6219561
	ND	5.00	5.19	mg/L	102	0.83	MCAWW 300.0A	08/03/06	6219561
Dilution Factor: 1									
Analysis Time...: 14:45									
Chloride									
WO#: JAKEF1CN-MS/JAKEF1CP-MSD MS Lot-Sample #: D6H030225-002									
	19	25.0	44.3	mg/L	103		MCAWW 300.0A	08/03/06	6219556
	19	25.0	44.5	mg/L	103	0.38	MCAWW 300.0A	08/03/06	6219556
Dilution Factor: 1									
Analysis Time...: 14:45									
Fluoride									
WO#: JAKEF1CL-MS/JAKEF1CM-MSD MS Lot-Sample #: D6H030225-002									
	1.7	5.00	6.69	mg/L	99		MCAWW 300.0A	08/03/06	6219557
	1.7	5.00	6.73	mg/L	100	0.52	MCAWW 300.0A	08/03/06	6219557
Dilution Factor: 1									
Analysis Time...: 14:45									
Nitrate									
WO#: JAKEF1CV-MS/JAKEF1CW-MSD MS Lot-Sample #: D6H030225-002									
	ND	5.00	5.25	mg/L	100		MCAWW 300.0A	08/03/06	6219558
	ND	5.00	5.28	mg/L	101	0.55	MCAWW 300.0A	08/03/06	6219558
Dilution Factor: 1									
Analysis Time...: 14:45									
Nitrite									
WO#: JAKEF1CQ-MS/JAKEF1CR-MSD MS Lot-Sample #: D6H030225-002									
	ND	5.00	5.11	mg/L	102		MCAWW 300.0A	08/03/06	6219559
	ND	5.00	5.14	mg/L	103	0.64	MCAWW 300.0A	08/03/06	6219559
Dilution Factor: 1									
Analysis Time...: 14:45									
Sulfate									
WO#: JAKEF1CX-MS/JAKEF1C0-MSD MS Lot-Sample #: D6H030225-002									
	150	125	270	mg/L	98		MCAWW 300.0A	08/03-08/04/06	6219560
	150	125	271	mg/L	99	0.37	MCAWW 300.0A	08/03-08/04/06	6219560
Dilution Factor: 5									
Analysis Time...: 11:11									
Sulfate									
WO#: JAM7P1DK-MS/JAM7P1DL-MSD MS Lot-Sample #: D6H040193-001									
	230	125	355	mg/L	98		MCAWW 300.0A	08/04/06	6221474
	230	125	357	mg/L	100	0.67	MCAWW 300.0A	08/04/06	6221474
Dilution Factor: 5									
Analysis Time...: 16:07									

### NOTE (S) :

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

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H030225

Work Order #...: JAM1J-SMP

Matrix.....: WATER

JAM1J-DUP

Date Sampled...: 08/03/06 11:00

Date Received...: 08/04/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	7.5	No Units	0.0	(0-5.0)	MCAWW 150.1	08/04/06	6216543
				Dilution Factor: 1	Analysis Time...: 15:56			
						SD Lot-Sample #: D6H040172-001		

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H030225

Work Order #...: JAGE7-SMP  
JAGE7-DUP

Matrix.....: WATER

Date Sampled...: 07/31/06 08:30

Date Received...: 08/02/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H020184-003		
Solids	1200	1200	mg/L	0.58	(0-20)	MCAWW 160.1	08/04/06	6216551
			Dilution Factor: 1			Analysis Time...: 15:30		

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H030225

Work Order #...: JAKWW-SMP

Matrix.....: WATER

JAKWW-DUP

Date Sampled...: 08/02/06 12:25

Date Received...: 08/03/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H030281-012		
Solids								
	550	550	mg/L	0.0	(0-20)	MCAWW 160.1	08/04/06	6216553
			Dilution Factor: 1			Analysis Time...: 18:30		

# Chain of Custody Record

**SEVERN**  
**TRENT**  
**STL**  
STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (09/01)

Client <b>SSPA / COG-CC</b>		Project Manager <b>Bryan Gingsby</b>		Date <b>8/1/06</b>		Chain of Custody Number <b>336506</b>	
Address <b>1877 Broadway</b>		Telephone Number (Area Code) / Fax Number <b>303-939-8880</b>		Lab Number <b>303736-0160</b>		Page <b>1</b> of <b>2</b>	
City <b>Boulder</b>	State <b>CO</b>	Zip Code <b>80302</b>	Site Contact <b>C. Pearey</b>	Lab Contact <b>Mike Phillips</b>	Analysis (Attach list if more space is needed)		
Project Name and Location (State) <b>Co-field County / Gas Sampling</b>			Carrier/Manifest Number <b>SSP-1049</b>		Special Instructions/ Conditions of Receipt		
Contract/Purchase Order/Quote No <b>69286</b>							

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives							EPA-300.0	EPA-301/SM230B	EPA-200.7	EPA-150.1	EPA-160.1	SW 8021	RSK 175	EPA-200.8
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH								
Green-6S93W-10/2-L poly	7/31/06	14:10	X				X													
Green-6S93W-10 500ml poly	7/31/06	14:15	X					X												
Green-6S93W-10 3-40ml vial	7/31/06	14:15	X						X											
Green-6S93W-10 3 vial	7/31/06	14:15	X					X												
CHR-6S92W-1/2-L	8/1/06	12:05	X					X												
CHR-6S92W-1 / 500 ml	8/1/06	12:04	X						X											
CHR-6S92W-1 / 3x vial	8/1/06	12:07	X							X										
CHR-6S92W-1 / 3x vial	8/1/06	12:08	X					X												
Winington-6S93W-3 / 1L	7/31/06	17:30	X							X										
Winington-6S93W-3 / 500ml	7/31/06	17:10	X								X									
Winington-6S93W-3 / 3x vial	7/31/06	17:16	X									X								
Winington-6S93W-3 / 3x vial	7/31/06	17:19	X																	

Possible Hazard Identification  
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ 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 **SLD.**

1. Relinquished By \_\_\_\_\_ Date **8/2/06** Time **9:00**  
 2. Relinquished By **John Mackay** Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

1. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 2. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
 3. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments \_\_\_\_\_

# Chain of Custody Record

**SEVERN TRENT**  
**STL**  
**STL Denver**  
 4955 Yarrow Street  
 Arvada, CO 80002

STL-4124 (0901)

Client <b>SSPA / Co-CC</b>		Project Manager <b>Bryan Grigsby</b>		Date <b>8/1/06</b>		Chain of Custody Number <b>336507</b>	
Address <b>1877 Broadway St03</b>		Telephone Number (Area Code) / Fax Number <b>303.939.8880</b>		Lab Number <b>303-736-0100</b>		Page <b>2</b> of <b>2</b>	
City <b>Boulder</b>		State <b>CO</b>	Zip Code <b>80302</b>	Site Contact <b>C. Deary</b>		Lab Contact <b>Mike Phillips</b>	
Project Name and Location (State) <b>Garfield Co / Gas Sampling</b>		Carrier/Vehicle Number <b>SSP-1049</b>		Analysis (Attach list if more space is needed)			
Contract/Purchase Order/Quote No. <b>69286</b>		Matrix		Containers & Preservatives			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil
Green-6S93W-10-D/3 VOA		7/31/06	14:15	X			
Green-6S93W-10-D/3 VOA		7/31/06	14:15	X			
Penn-5S92W-31 / 1-L		8/1/06	13:00	X			
Penn-5S92W-31 / 500mL		8/1/06	13:00	X			
Penn-5S92W-31 / 3x VOA		8/1/06	13:00	X			
Penn-5S92W-31 / 3x VOA		8/1/06	13:00	X			
Bain-6S93W-10 / 1-L		8/1/06	9:30	X			
Bain-6S93W-10 / 500mL		8/1/06	9:30	X			
Bain-6S93W-10 / 3x VOA		8/1/06	9:30	X			
Bain-6S93W-10 / 3x VOA		8/1/06	9:30	X			
TRIP BLANK				X			

Possible Hazard Identification		Sample Disposal	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
Turn Around Time Required		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____			
1. Relinquished By <i>Lin Vandy</i>	Date <b>8/2/06</b>	Time <b>9:00</b>	1. Received By <i>[Signature]</i>
2. Relinquished By	Date	Time	2. Received By
3. Relinquished By	Date	Time	3. Received By
Comments			

Special Instructions/  
Conditions of Receipt

Chain of  
Custody Record

SEVERN  
TRENT

STL

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client <b>S.S. Papadopoulos &amp; Associates/Cocec</b>		Project Manager <b>Bryan Grigsby</b>		Date <b>8/2/2006</b>	Chain of Custody Number <b>336501</b>
Address <b>1877 Broadway Suite 703</b>		Telephone Number (Area Code)/Fax Number <b>303-739-8880</b>		Lab Number <b>303-736-0100</b>	Page <b>1</b> of <b>2</b>
City <b>Boulder</b>		State <b>CO</b>	Zip Code <b>80303</b>	Analysis (Attach list if more space is needed)	
Project Name and Location (State) <b>Garfield Co. Water/Gas Sampling</b>		Site Contact <b>A. Percy</b>		Lab Contact <b>Mike Phillips</b>	
Contract/Purchase Order/Quote No. <b>69286</b>		Carrier/Waybill Number <b>SSP-1547</b>		Special Instructions/ Conditions of Receipt	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Matrix	Containers & Preservatives
Pollard-6592w-4/12 Poly		8/1/06	8:30	X	EPA-300.0
Pollard-6592w-4/500ml Poly		8/1/06	8:30	X	EPA-310.1/5m2308
Pollard-6592w-4/3-40ml VOA		8/1/06	8:30	X	EPA-200.7
Pollard-6592w-4/3-40ml VOA		8/1/06	8:30	X	EPA-150.1
Pollard-6592w-4/3-40ml VOA		8/1/06	8:30	X	EPA-160.1
Pollard-6592w-4/3-40ml VOA		8/1/06	8:30	X	SW 8021
Blair-5592w-36/12 Poly		8/1/06	11:30	X	RSK 175
Blair-5592w-36/500ml Poly		8/1/06	11:30	X	EPA-200.8
Blair-5592w-36/3-40ml VOA		8/1/06	11:30	X	
Blair-5592w-36/3-40ml VOA		8/1/06	11:30	X	
Blair-5592w-36/3-40ml VOA		8/1/06	11:30	X	
Suites-5592w-35/12 Poly		7/31/06	14:40	X	
Suites-5592w-35/500ml Poly		7/31/06	14:40	X	
Suites-5592w-35/3-40ml VOA		7/31/06	14:40	X	
Suites-5592w-35/3-40ml VOA		7/31/06	14:40	X	
Possible Hazard Identification		Sample Disposal			
Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input type="checkbox"/>		Disposal By Lab <input type="checkbox"/> Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)			
Turn Around Time Required		QC Requirements (Specify)			
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____					
Relinquished By <b>Christine Percy</b>		Date <b>8/2/06</b>	Time <b>09:00</b>	1. Received By <b>[Signature]</b>	
Relinquished By		Date	Time	2. Received By <b>[Signature]</b>	
3. Relinquished By		Date	Time	3. Received By	
Comments					

# Chain of Custody Record

SEVERN  
TRENT

STL

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client <b>S.S. Papadopoulos &amp; Associates/COGCC</b>		Project Manager <b>Bryan Grisby</b>		Date <b>8/2/2006</b>	Chain of Custody Number <b>336502</b>
Address <b>1877 Broadway Suite 703</b>		Telephone Number (Area Code)/Fax Number <b>303-739-8880</b>		Lab Number <b>303-739-0100</b>	Page <b>2</b> of <b>2</b>
City <b>Boulder</b>	State <b>CO</b>	Zip Code <b>80303</b>	Site Contact <b>C. Percy</b>	Lab Contact <b>Mike Phillips</b>	
Project Name and Location (State) <b>Garfield Calver/Leas Sampling</b>		Carrier/Waybill Number <b>SSP-1049</b>		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. <b>69286</b>		Special Instructions/ Conditions of Receipt			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		
Barton-5592w-36/1L Poly	7/31/06	13:05	X										EPA-300.0 EPA-310.1/Sm <sup>2</sup> 30B EPA-200.7 EPA-150.1 EPA-160.1 SW-8021 RSK 175 EPA-200.8	
Barton-5592w-36/500ml Poly	7/31/06	13:05	X											
Barton-5592w-36/3-40ml VOA	7/31/06	13:05	X											
Barton-5592w-36/3-40ml VOA	7/31/06	13:05	X											
Costanz-6592w-6/3-40ml VOA	8/1/06	18:00	X											
Costanz-6592w-6/500 ml Poly	8/1/06	18:00	X											
Costanz-6592w-6/3-40ml VOA	8/1/06	18:00	X											
Costanz-6592w-6/3-40ml VOA	8/1/06	18:00	X											
Stewart-6593w-1/1L Poly	7/31/06	09:30	X											
Stewart-6593w-1/500ml Poly	7/31/06	09:30	X											
Stewart-6593w-1/3-40ml VOA	7/31/06	09:30	X											
Stewart-6593w-1/3-40ml VOA	7/31/06	09:30	X											

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)

☐ 24 Hours 
 ☐ 48 Hours 
 ☐ 7 Days 
 ☐ 14 Days 
 ☐ 21 Days 
 ☐ Other \_\_\_\_\_

Turn Around Time Required

1. Relinquished By **Christine Percy** Date **8/2/06** Time \_\_\_\_\_

2. Relinquished By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

3. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Comments

1. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

2. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

3. Received By \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_



**STL**

**STL Denver**  
4955 Yarrow Street  
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171  
[www.stl-inc.com](http://www.stl-inc.com)

## **ANALYTICAL REPORT**

**Garfield County Water/Gas Sampling**

**Lot D6H070187**

**Christine Pearcy**

**S. S. Papadopoulos & Associates, Inc.**  
1877 Broadway  
Suite 703  
Boulder, CO 80302-5245

**SEVERN TRENT LABORATORIES, INC. / STL DENVER**

A handwritten signature in black ink that reads "Michael P. Phillips".

**Michael P. Phillips**  
**Project Manager**

**August 23, 2006**

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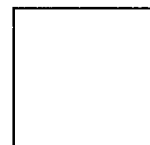
## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### **Standard Deliverables**

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



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

## **CASE NARRATIVE**

### **D6H070187**

The following report contains the analytical results for nineteen samples and a trip blank submitted to STL Denver by S. S. Papadopoulos & Associates for the Garfield County Water/Gas Sampling Project. The samples were received August 7, 2006, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

STL Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

#### **Supplemental QC Information**

##### **Sample Arrival and Receipt**

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 5.1°C, 2.6°C, and 4.5°C. STL uses a holding time of 24 hours for pH by Method 150.1 to allow for sample shipment. However, the analysis for pH by Method 150.1 should be performed in the field immediately following sampling. All of the analyses for pH were performed by the lab outside of STL's holding time of 24 hours. In addition, for all of the samples, the Nitrate and Nitrite analyses by Method 300.0A were performed outside the holding time of 48 hours due to the samples arriving at the lab past the holding time. The client was notified on August 8, 2006 and the lab was advised to proceed with the analyses.

No other anomalies were observed.

##### **BTEX / MTBE, SW846 Method 8021B**

No anomalies were observed.

##### **Dissolved Methane, RSK SOP-175**

No MS/MSD could be performed due to insufficient sample volume; however, a LCS/LCSD pair was analyzed to demonstrate method precision.

No other anomalies were observed.

##### **Total Metals, EPA Method 200.8**

No anomalies were observed.

**Major Cation, EPA Method 200.7**

The percent recoveries and the relative percent difference of the MS/MSD performed using sample MURPH-6S92W-6 were not calculated for Sodium because the sample concentration was greater than four times the spike amount.

No other anomalies were observed.

**Major Anions, EPA Method 300.0**

All of the samples except CHENO-6S91W-5 and TALBOTT-6S91W-4 required dilutions for one or more of the Major Anions due to the high concentrations of the target analytes in the samples or matrix interferences. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" or "G" in the report.

The MS/MSD performed using sample MURPH-6S92W-6 exhibited MS and MSD recoveries outside control limits for Chloride. Because the corresponding Laboratory Control Samples and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

No other anomalies were observed.

**Alkalinity, pH, and Total Dissolved Solids, EPA Methods 310.1, 150.1, and 160.1**

Sample TREU-5S92W-32 required a dilution for Total Dissolved Solids due to the high concentration of the target analyte in the sample. The reporting limit has been adjusted relative to the dilution required and the result has been flagged with "Q" in the report.

No other anomalies were observed.

## EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MURPH-6S92W-6 08/02/06 14:00 001				
Calcium	140000	200	ug/L	MCAWW 200.7
Magnesium	170000	200	ug/L	MCAWW 200.7
Potassium	6100	3000	ug/L	MCAWW 200.7
Sodium	380000	5000	ug/L	MCAWW 200.7
Barium	30	1.0	ug/L	MCAWW 200.8
Manganese	2.0	1.0	ug/L	MCAWW 200.8
Selenium	35	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	2400	10	mg/L	MCAWW 160.1
Solids				
Chloride	270 Q	30	mg/L	MCAWW 300.0A
Sulfate	960 Q	100	mg/L	MCAWW 300.0A
Nitrate	2.3 G	1.0	mg/L	MCAWW 300.0A
Bromide	0.68 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	490	5.0	mg/L	MCAWW 310.1
SCHOUTEN-6S92W-5 08/02/06 09:30 002				
Calcium	89000	200	ug/L	MCAWW 200.7
Magnesium	60000	200	ug/L	MCAWW 200.7
Potassium	3700	3000	ug/L	MCAWW 200.7
Sodium	200000	5000	ug/L	MCAWW 200.7
Barium	11	1.0	ug/L	MCAWW 200.8
Selenium	7.8	5.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	1100	10	mg/L	MCAWW 160.1
Solids				
Chloride	79 Q	15	mg/L	MCAWW 300.0A
Sulfate	370 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.80	0.50	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	360	5.0	mg/L	MCAWW 310.1
NESBIT-6S92W-6 08/02/06 10:45 003				
Calcium	100000	200	ug/L	MCAWW 200.7
Magnesium	59000	200	ug/L	MCAWW 200.7
Sodium	170000	5000	ug/L	MCAWW 200.7
Barium	19	1.0	ug/L	MCAWW 200.8
Selenium	7.2	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	1000	10	mg/L	MCAWW 160.1
Solids				

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>NESBIT-6S92W-6 08/02/06 10:45 003</b>				
Chloride	99 Q	15	mg/L	MCAWW 300.0A
Sulfate	280 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.77	0.50	mg/L	MCAWW 300.0A
Nitrate	0.70	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	390	5.0	mg/L	MCAWW 310.1
<b>LYONS-5S91W-31 08/02/06 14:30 004</b>				
Calcium	60000	200	ug/L	MCAWW 200.7
Magnesium	30000	200	ug/L	MCAWW 200.7
Sodium	180000	5000	ug/L	MCAWW 200.7
Barium	14	1.0	ug/L	MCAWW 200.8
Manganese	23	1.0	ug/L	MCAWW 200.8
Selenium	9.1	5.0	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	800	10	mg/L	MCAWW 160.1
Chloride	51 Q	15	mg/L	MCAWW 300.0A
Sulfate	280 Q	50	mg/L	MCAWW 300.0A
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A
Nitrate	3.1	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	260	5.0	mg/L	MCAWW 310.1
<b>ELDERKIN-5S91W-30 08/02/06 12:30 005</b>				
Calcium	84000	200	ug/L	MCAWW 200.7
Magnesium	59000	200	ug/L	MCAWW 200.7
Sodium	25000	5000	ug/L	MCAWW 200.7
Barium	17	1.0	ug/L	MCAWW 200.8
Chromium	3.5	3.0	ug/L	MCAWW 200.8
Manganese	1.4	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	610	10	mg/L	MCAWW 160.1
Chloride	9.2	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	280	5.0	mg/L	MCAWW 310.1

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
FAZZI-5S91W-32 08/02/06 09:20 006				
Calcium	32000	200	ug/L	MCAWW 200.7
Magnesium	1100	200	ug/L	MCAWW 200.7
Sodium	600000	5000	ug/L	MCAWW 200.7
Arsenic	9.8	5.0	ug/L	MCAWW 200.8
Barium	16	1.0	ug/L	MCAWW 200.8
Lead	1.0	1.0	ug/L	MCAWW 200.8
Manganese	3.7	1.0	ug/L	MCAWW 200.8
Selenium	290	5.0	ug/L	MCAWW 200.8
pH	8.0	0.10	No Units	MCAWW 150.1
Total Dissolved	1800	10	mg/L	MCAWW 160.1
Solids				
Chloride	220 Q	15	mg/L	MCAWW 300.0A
Sulfate	600 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A
Nitrate	13 Q	1.0	mg/L	MCAWW 300.0A
Bromide	1.8	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	400	5.0	mg/L	MCAWW 310.1
ORTON-5S91W-31 08/02/06 13:30 007				
Calcium	63000	200	ug/L	MCAWW 200.7
Magnesium	53000	200	ug/L	MCAWW 200.7
Potassium	3300	3000	ug/L	MCAWW 200.7
Sodium	110000	5000	ug/L	MCAWW 200.7
Barium	15	1.0	ug/L	MCAWW 200.8
Selenium	7.6	5.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	710	10	mg/L	MCAWW 160.1
Solids				
Chloride	12	3.0	mg/L	MCAWW 300.0A
Sulfate	220 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.99	0.50	mg/L	MCAWW 300.0A
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	330	5.0	mg/L	MCAWW 310.1
SALB-6S93W-12 08/02/06 10:30 008				
Calcium	94000	200	ug/L	MCAWW 200.7
Magnesium	57000	200	ug/L	MCAWW 200.7
Potassium	4700	3000	ug/L	MCAWW 200.7
Sodium	390000	5000	ug/L	MCAWW 200.7
Barium	25	1.0	ug/L	MCAWW 200.8
Manganese	690	1.0	ug/L	MCAWW 200.8

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>SALB-6S93W-12 08/02/06 10:30 008</b>				
Selenium	8.7	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	1600	10	mg/L	MCAWW 160.1
Solids				
Chloride	150 Q	15	mg/L	MCAWW 300.0A
Sulfate	480 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.77	0.50	mg/L	MCAWW 300.0A
Nitrate	2.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.41	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	550	5.0	mg/L	MCAWW 310.1
<b>URBAN-5S92W-33 08/03/06 13:30 009</b>				
Calcium	48000	200	ug/L	MCAWW 200.7
Magnesium	37000	200	ug/L	MCAWW 200.7
Sodium	74000	5000	ug/L	MCAWW 200.7
Barium	22	1.0	ug/L	MCAWW 200.8
Manganese	2.2	1.0	ug/L	MCAWW 200.8
Selenium	7.9	5.0	ug/L	MCAWW 200.8
pH	7.8	0.10	No Units	MCAWW 150.1
Total Dissolved	500	10	mg/L	MCAWW 160.1
Solids				
Chloride	9.4	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.90	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	250	5.0	mg/L	MCAWW 310.1
<b>GREEN-6S93W-11 08/02/06 11:25 010</b>				
Calcium	72000	200	ug/L	MCAWW 200.7
Magnesium	47000	200	ug/L	MCAWW 200.7
Potassium	3900	3000	ug/L	MCAWW 200.7
Sodium	310000	5000	ug/L	MCAWW 200.7
Barium	25	1.0	ug/L	MCAWW 200.8
Manganese	250	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	1300	10	mg/L	MCAWW 160.1
Solids				
Chloride	140 Q	15	mg/L	MCAWW 300.0A
Sulfate	330 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.74	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	490	5.0	mg/L	MCAWW 310.1

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# EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>SHOUP-6S93W-10 08/02/06 16:00 011</b>				
Calcium	130000	200	ug/L	MCAWW 200.7
Magnesium	75000	200	ug/L	MCAWW 200.7
Sodium	31000	5000	ug/L	MCAWW 200.7
Barium	13	1.0	ug/L	MCAWW 200.8
Selenium	7.5	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	920	10	mg/L	MCAWW 160.1
Chloride	9.5	3.0	mg/L	MCAWW 300.0A
Sulfate	360 Q	50	mg/L	MCAWW 300.0A
Nitrate	0.68	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	300	5.0	mg/L	MCAWW 310.1
<b>ALLEN-5S92W-30 08/04/06 13:00 012</b>				
Calcium	160000	200	ug/L	MCAWW 200.7
Magnesium	65000	200	ug/L	MCAWW 200.7
Potassium	4300	3000	ug/L	MCAWW 200.7
Sodium	320000	5000	ug/L	MCAWW 200.7
Barium	31	1.0	ug/L	MCAWW 200.8
Lead	1.1	1.0	ug/L	MCAWW 200.8
Manganese	3.3	1.0	ug/L	MCAWW 200.8
Selenium	9.8	5.0	ug/L	MCAWW 200.8
pH	7.1	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1
Chloride	39	3.0	mg/L	MCAWW 300.0A
Sulfate	660 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.88	0.50	mg/L	MCAWW 300.0A
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	560	5.0	mg/L	MCAWW 310.1
<b>TREU-5S92W-32 08/04/06 10:45 013</b>				
Calcium	170000	200	ug/L	MCAWW 200.7
Magnesium	160000	200	ug/L	MCAWW 200.7
Potassium	12000	3000	ug/L	MCAWW 200.7
Sodium	1500000	5000	ug/L	MCAWW 200.7
Arsenic	6.6	5.0	ug/L	MCAWW 200.8
Barium	6.6	1.0	ug/L	MCAWW 200.8
Manganese	4.9	1.0	ug/L	MCAWW 200.8
Selenium	100	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>TREU-5S92W-32 08/04/06 10:45 013</b>				
Total Dissolved Solids	3000 Q	20	mg/L	MCAWW 160.1
Chloride	370 Q	30	mg/L	MCAWW 300.0A
Sulfate	3400 Q	500	mg/L	MCAWW 300.0A
Nitrate	7.3 G	1.0	mg/L	MCAWW 300.0A
Bromide	1.8 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	510	5.0	mg/L	MCAWW 310.1
<b>LOWD-5S92W-33 08/04/06 14:45 014</b>				
Calcium	100000	200	ug/L	MCAWW 200.7
Magnesium	83000	200	ug/L	MCAWW 200.7
Sodium	60000	5000	ug/L	MCAWW 200.7
Barium	19	1.0	ug/L	MCAWW 200.8
Selenium	7.1	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	880	10	mg/L	MCAWW 160.1
Chloride	38	3.0	mg/L	MCAWW 300.0A
Sulfate	260 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A
Nitrate	0.94	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	370	5.0	mg/L	MCAWW 310.1
<b>CHENO-6S91W-5 08/04/06 11:30 015</b>				
Calcium	87000	200	ug/L	MCAWW 200.7
Magnesium	13000	200	ug/L	MCAWW 200.7
Sodium	9600	5000	ug/L	MCAWW 200.7
Barium	110	1.0	ug/L	MCAWW 200.8
Manganese	1.3	1.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	330	10	mg/L	MCAWW 160.1
Sulfate	25	5.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	250	5.0	mg/L	MCAWW 310.1
<b>TALBOTT-6S91W-4 08/03/06 11:15 016</b>				
Calcium	85000	200	ug/L	MCAWW 200.7
Magnesium	29000	200	ug/L	MCAWW 200.7
Sodium	18000	5000	ug/L	MCAWW 200.7
Barium	52	1.0	ug/L	MCAWW 200.8

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# EXECUTIVE SUMMARY - Detection Highlights

D6H070187

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>TALBOTT-6S91W-4 08/03/06 11:15 016</b>				
Manganese	5.5	1.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	390	10	mg/L	MCAWW 160.1
Sulfate	49	5.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	310	5.0	mg/L	MCAWW 310.1
<b>COPE-6S91W-2 08/04/06 14:40 017</b>				
Calcium	100000	200	ug/L	MCAWW 200.7
Magnesium	63000	200	ug/L	MCAWW 200.7
Potassium	3200	3000	ug/L	MCAWW 200.7
Sodium	150000	5000	ug/L	MCAWW 200.7
Barium	12	1.0	ug/L	MCAWW 200.8
Chromium	4.1	3.0	ug/L	MCAWW 200.8
Manganese	8.0	1.0	ug/L	MCAWW 200.8
Selenium	11	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1
Chloride	86 Q	15	mg/L	MCAWW 300.0A
Sulfate	370 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.82	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	310	5.0	mg/L	MCAWW 310.1
<b>HUGHES-6S91W-4 08/03/06 12:30 018</b>				
Calcium	79000	200	ug/L	MCAWW 200.7
Iron	350	100	ug/L	MCAWW 200.7
Magnesium	38000	200	ug/L	MCAWW 200.7
Sodium	15000	5000	ug/L	MCAWW 200.7
Barium	23	1.0	ug/L	MCAWW 200.8
Manganese	10	1.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	410	10	mg/L	MCAWW 160.1
Sulfate	51 Q	25	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	320	5.0	mg/L	MCAWW 310.1

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## EXECUTIVE SUMMARY - Detection Highlights

D6H070187

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
BRE-6S93W-11 08/02/06 14:30 019				
Calcium	75000	200	ug/L	MCAWW 200.7
Magnesium	46000	200	ug/L	MCAWW 200.7
Potassium	3800	3000	ug/L	MCAWW 200.7
Sodium	360000	5000	ug/L	MCAWW 200.7
Barium	22	1.0	ug/L	MCAWW 200.8
Lead	2.0	1.0	ug/L	MCAWW 200.8
Manganese	90	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	1400	10	mg/L	MCAWW 160.1
Solids				
Chloride	160 Q	15	mg/L	MCAWW 300.0A
Sulfate	390 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.85	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	540	5.0	mg/L	MCAWW 310.1

## METHODS SUMMARY

D6H070187

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
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	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8	MCAWW 200.8
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Volatiles by GC	SW846 8021B	SW846 5030

### 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

D6H070187

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Christopher Grisdale	009582
MCAWW 200.7	Janel Motichka	002862
MCAWW 200.7	Janel Motichka	2862
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Andrew M. Perlman	008060
RSK SOP-175	Patrick Quirk	006795
SW846 8021B	Adam Pavlakovich	003128

### 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

D6H070187

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JAR10	001	MURPH-6S92W-6	08/02/06	14:00
JAR18	002	SCHOUTEN-6S92W-5	08/02/06	09:30
JAR2J	003	NESBIT-6S92W-6	08/02/06	10:45
JAR2K	004	LYONS-5S91W-31	08/02/06	14:30
JAR2M	005	ELDERKIN-5S91W-30	08/02/06	12:30
JAR2N	006	FAZZI-5S91W-32	08/02/06	09:20
JAR2Q	007	ORTON-5S91W-31	08/02/06	13:30
JAR2T	008	SALB-6S93W-12	08/02/06	10:30
JAR2W	009	URBAN-5S92W-33	08/03/06	13:30
JAR2X	010	GREEN-6S93W-11	08/02/06	11:25
JAR20	011	SHOUP-6S93W-10	08/02/06	16:00
JAR22	012	ALLEN-5S92W-30	08/04/06	13:00
JAR23	013	TREU-5S92W-32	08/04/06	10:45
JAR25	014	LOWD-5S92W-33	08/04/06	14:45
JAR27	015	CHENO-6S91W-5	08/04/06	11:30
JAR28	016	TALBOTT-6S91W-4	08/03/06	11:15
JAR3A	017	COPE-6S91W-2	08/04/06	14:40
JAR3C	018	HUGHES-6S91W-4	08/03/06	12:30
JAR3E	019	BRE-6S93W-11	08/02/06	14:30
JAR3F	020	TRIP BLANK	08/04/06	

## 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.

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MURPH-6S92W-6

GC Volatiles

Lot-Sample #....: D6H070187-001    Work Order #....: JAR101A3    Matrix.....: WATER  
Date Sampled....: 08/02/06 14:00    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 14:29  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SCHOUTEN-6S92W-5

GC Volatiles

Lot-Sample #...: D6H070187-002    Work Order #...: JAR181AE    Matrix.....: WATER  
Date Sampled...: 08/02/06 09:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 14:34  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: NESBIT-6S92W-6

GC Volatiles

Lot-Sample #....: D6H070187-003    Work Order #....: JAR2J1AE    Matrix.....: WATER  
Date Sampled....: 08/02/06 10:45    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 14:38  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LYONS-5S91W-31

GC Volatiles

Lot-Sample #...: D6H070187-004    Work Order #...: JAR2K1AE    Matrix.....: WATER  
Date Sampled...: 08/02/06 14:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 14:43  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ELDERKIN-5S91W-30

GC Volatiles

Lot-Sample #....: D6H070187-005    Work Order #....: JAR2M1AE    Matrix.....: WATER  
Date Sampled....: 08/02/06 12:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 14:48  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FAZZI-5S91W-32

GC Volatiles

Lot-Sample #....: D6H070187-006    Work Order #....: JAR2N1AE    Matrix.....: WATER  
Date Sampled...: 08/02/06 09:20    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 14:53  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ORTON-5S91W-31

GC Volatiles

Lot-Sample #...: D6H070187-007    Work Order #...: JAR2Q1AE    Matrix.....: WATER  
Date Sampled...: 08/02/06 13:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 14:58  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SALB-6S93W-12

GC Volatiles

Lot-Sample #....: D6H070187-008    Work Order #....: JAR2T1AE    Matrix.....: WATER  
Date Sampled....: 08/02/06 10:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 15:03  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: URBAN-5S92W-33

GC Volatiles

Lot-Sample #...: D6H070187-009    Work Order #...: JAR2W1AE    Matrix.....: WATER  
Date Sampled...: 08/03/06 13:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 15:08  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-11

GC Volatiles

Lot-Sample #....: D6H070187-010    Work Order #....: JAR2X1AE    Matrix.....: WATER  
Date Sampled....: 08/02/06 11:25    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 15:44  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SHOUP-6S93W-10

GC Volatiles

Lot-Sample #...: D6H070187-011    Work Order #...: JAR201AE    Matrix.....: WATER  
Date Sampled...: 08/02/06 16:00    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 15:49  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ALLEN-5S92W-30

GC Volatiles

Lot-Sample #....: D6H070187-012    Work Order #....: JAR221AE    Matrix.....: WATER  
Date Sampled....: 08/04/06 13:00    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 15:53  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TREU-5S92W-32

GC Volatiles

Lot-Sample #....: D6H070187-013    Work Order #....: JAR231AE    Matrix.....: WATER  
Date Sampled....: 08/04/06 10:45    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 15:58  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LOWD-5S92W-33

GC Volatiles

Lot-Sample #...: D6H070187-014    Work Order #...: JAR251AE    Matrix.....: WATER  
Date Sampled...: 08/04/06 14:45    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 16:03  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: CHENO-6S91W-5

GC Volatiles

Lot-Sample #...: D6H070187-015    Work Order #...: JAR271AE    Matrix.....: WATER  
Date Sampled...: 08/04/06 11:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 16:08  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TALBOTT-6S91W-4

GC Volatiles

Lot-Sample #...: D6H070187-016    Work Order #...: JAR281AE    Matrix.....: WATER  
Date Sampled...: 08/03/06 11:15    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #...: 6223314    Analysis Time...: 16:13  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COPE-6S91W-2

GC Volatiles

Lot-Sample #....: D6H070187-017    Work Order #....: JAR3A1AE    Matrix.....: WATER  
Date Sampled....: 08/04/06 14:40    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 16:18  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HUGHES-6S91W-4

GC Volatiles

Lot-Sample #....: D6H070187-018    Work Order #....: JAR3C1AE    Matrix.....: WATER  
Date Sampled....: 08/03/06 12:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 16:23  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BRE-6S93W-11

GC Volatiles

Lot-Sample #....: D6H070187-019    Work Order #....: JAR3E1AE    Matrix.....: WATER  
Date Sampled....: 08/02/06 14:30    Date Received...: 08/07/06  
Prep Date.....: 08/07/06    Analysis Date...: 08/08/06  
Prep Batch #....: 6223314    Analysis Time...: 16:28  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MURPH-6S92W-6

GC Volatiles

Lot-Sample #....: D6H070187-001    Work Order #....: JAR101AM    Matrix.....: WATER  
Date Sampled....: 08/02/06 14:00    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/10/06  
Prep Batch #....: 6223385    Analysis Time...: 21:46  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SCHOUTEN-6S92W-5

GC Volatiles

Lot-Sample #....: D6H070187-002    Work Order #....: JAR181AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 09:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/10/06  
Prep Batch #....: 6223385    Analysis Time...: 22:23  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: NESBIT-6S92W-6

GC Volatiles

Lot-Sample #....: D6H070187-003    Work Order #....: JAR2J1AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 10:45    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/10/06  
Prep Batch #....: 6223385    Analysis Time...: 23:00  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LYONS-5S91W-31

GC Volatiles

Lot-Sample #...: D6H070187-004    Work Order #...: JAR2K1AR    Matrix.....: WATER  
Date Sampled...: 08/02/06 14:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/10/06  
Prep Batch #...: 6223385    Analysis Time...: 23:36  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ELDERKIN-5S91W-30

GC Volatiles

Lot-Sample #....: D6H070187-005    Work Order #....: JAR2M1AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 12:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6223385    Analysis Time...: 00:13  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FAZZI-5S91W-32

GC Volatiles

Lot-Sample #....: D6H070187-006    Work Order #....: JAR2N1AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 09:20    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6223385    Analysis Time...: 00:49  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ORTON-5S91W-31

GC Volatiles

Lot-Sample #...: D6H070187-007    Work Order #...: JAR2Q1AR    Matrix.....: WATER  
Date Sampled...: 08/02/06 13:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/11/06  
Prep Batch #...: 6223385    Analysis Time...: 01:25  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SALB-6S93W-12

GC Volatiles

Lot-Sample #...: D6H070187-008    Work Order #...: JAR2T1AR    Matrix.....: WATER  
Date Sampled...: 08/02/06 10:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/11/06  
Prep Batch #...: 6223385    Analysis Time...: 02:01  
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: URBAN-5S92W-33

GC Volatiles

Lot-Sample #....: D6H070187-009    Work Order #....: JAR2W1AR    Matrix.....: WATER  
Date Sampled....: 08/03/06 13:30    Date Received...: 08/07/06  
Prep Date.....: 08/10/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6223385    Analysis Time...: 02:37  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GREEN-6S93W-11

GC Volatiles

Lot-Sample #....: D6H070187-010    Work Order #....: JAR2X1AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 11:25    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 14:26  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SHOUP-6S93W-10

GC Volatiles

Lot-Sample #....: D6H070187-011    Work Order #....: JAR201AR    Matrix.....: WATER  
Date Sampled....: 08/02/06 16:00    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 16:14  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ALLEN-5S92W-30

GC Volatiles

Lot-Sample #...: D6H070187-012    Work Order #...: JAR221AR    Matrix.....: WATER  
Date Sampled...: 08/04/06 13:00    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #...: 6226569    Analysis Time...: 16:50  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TREU-5S92W-32

GC Volatiles

Lot-Sample #....: D6H070187-013    Work Order #....: JAR231AR    Matrix.....: WATER  
Date Sampled....: 08/04/06 10:45    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 17:25  
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LOWD-5S92W-33

GC Volatiles

Lot-Sample #....: D6H070187-014    Work Order #....: JAR251AR    Matrix.....: WATER  
Date Sampled....: 08/04/06 14:45    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 18:01  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: CHENO-6S91W-5

GC Volatiles

Lot-Sample #...: D6H070187-015    Work Order #...: JAR271AR    Matrix.....: WATER  
Date Sampled...: 08/04/06 11:30    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #...: 6226569    Analysis Time...: 19:13  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TALBOTT-6S91W-4

GC Volatiles

Lot-Sample #....: D6H070187-016    Work Order #....: JAR281AR    Matrix.....: WATER  
Date Sampled....: 08/03/06 11:15    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 19:48  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COPE-6S91W-2

GC Volatiles

Lot-Sample #....: D6H070187-017    Work Order #....: JAR3A1AR    Matrix.....: WATER  
Date Sampled....: 08/04/06 14:40    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 20:24  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HUGHES-6S91W-4

GC Volatiles

Lot-Sample #....: D6H070187-018    Work Order #....: JAR3C1AR    Matrix.....: WATER  
Date Sampled....: 08/03/06 12:30    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 21:00  
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BRE-6S93W-11

GC Volatiles

Lot-Sample #....: D6H070187-019    Work Order #....: JAR3E1AR    Matrix.....: WATER  
Date Sampled...: 08/02/06 14:30    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 21:35  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: D6H070187-020    Work Order #....: JAR3F1AA    Matrix.....: WATER  
Date Sampled....: 08/04/06    Date Received...: 08/07/06  
Prep Date.....: 08/11/06    Analysis Date...: 08/11/06  
Prep Batch #....: 6226569    Analysis Time...: 22:11  
Dilution Factor: 1

Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MURPH-6S92W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-001**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 14:00 Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>140000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR101AW</b>
		Dilution Factor: 1		Analysis Time...: 11:50		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR101AX</b>
		Dilution Factor: 1		Analysis Time...: 11:50		
<b>Magnesium</b>	<b>170000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR101A0</b>
		Dilution Factor: 1		Analysis Time...: 11:50		
<b>Potassium</b>	<b>6100</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR101A1</b>
		Dilution Factor: 1		Analysis Time...: 11:50		
<b>Sodium</b>	<b>380000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR101A2</b>
		Dilution Factor: 1		Analysis Time...: 11:50		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AN</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Barium</b>	<b>30</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AP</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AQ</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AR</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AT</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Manganese</b>	<b>2.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AU</b>
		Dilution Factor: 1		Analysis Time...: 04:38		
<b>Selenium</b>	<b>35</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR101AV</b>
		Dilution Factor: 1		Analysis Time...: 04:38		

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SCHOUTEN-6S92W-5

TOTAL Metals

Lot-Sample #...: D6H070187-002

Matrix.....: WATER

Date Sampled...: 08/02/06 09:30 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	89000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR181A2
		Dilution Factor: 1		Analysis Time...: 12:09		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR181A3
		Dilution Factor: 1		Analysis Time...: 12:09		
Magnesium	60000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR181AA
		Dilution Factor: 1		Analysis Time...: 12:09		
Potassium	3700	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR181AC
		Dilution Factor: 1		Analysis Time...: 12:09		
Sodium	200000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR181AD
		Dilution Factor: 1		Analysis Time...: 12:09		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181AT
		Dilution Factor: 1		Analysis Time...: 04:42		
Barium	11	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181AU
		Dilution Factor: 1		Analysis Time...: 04:42		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181AV
		Dilution Factor: 1		Analysis Time...: 04:42		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181AW
		Dilution Factor: 1		Analysis Time...: 04:42		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181AX
		Dilution Factor: 1		Analysis Time...: 04:42		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181A0
		Dilution Factor: 1		Analysis Time...: 04:42		
Selenium	7.8	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR181A1
		Dilution Factor: 1		Analysis Time...: 04:42		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: NESBIT-6S92W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-003**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 10:45    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>100000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2J1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:13		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2J1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:13		
<b>Magnesium</b>	<b>59000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2J1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:13		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2J1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:13		
<b>Sodium</b>	<b>170000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2J1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:13		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1AT</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Barium</b>	<b>19</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1AU</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1AV</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1AW</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1AX</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Manganese</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1A0</b>
		Dilution Factor: 1		Analysis Time...: 05:00		
<b>Selenium</b>	<b>7.2</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2J1A1</b>
		Dilution Factor: 1		Analysis Time...: 05:00		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: LYONS-5S91W-31**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-004**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 14:30    Date Received...: 08/07/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	60000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2K1A2
		Dilution Factor: 1		Analysis Time...: 12:18		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2K1A3
		Dilution Factor: 1		Analysis Time...: 12:18		
Magnesium	30000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2K1AA
		Dilution Factor: 1		Analysis Time...: 12:18		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2K1AC
		Dilution Factor: 1		Analysis Time...: 12:18		
Sodium	180000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2K1AD
		Dilution Factor: 1		Analysis Time...: 12:18		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1AT
		Dilution Factor: 1		Analysis Time...: 05:03		
Barium	14	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1AU
		Dilution Factor: 1		Analysis Time...: 05:03		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1AV
		Dilution Factor: 1		Analysis Time...: 05:03		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1AW
		Dilution Factor: 1		Analysis Time...: 05:03		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1AX
		Dilution Factor: 1		Analysis Time...: 05:03		
Manganese	23	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1A0
		Dilution Factor: 1		Analysis Time...: 05:03		
Selenium	9.1	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2K1A1
		Dilution Factor: 1		Analysis Time...: 05:03		

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ELDERKIN-5S91W-30

TOTAL Metals

Lot-Sample #...: D6H070187-005

Matrix.....: WATER

Date Sampled...: 08/02/06 12:30 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	84000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2M1A2
		Dilution Factor: 1		Analysis Time...: 12:22		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2M1A3
		Dilution Factor: 1		Analysis Time...: 12:22		
Magnesium	59000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2M1AA
		Dilution Factor: 1		Analysis Time...: 12:22		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2M1AC
		Dilution Factor: 1		Analysis Time...: 12:22		
Sodium	25000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2M1AD
		Dilution Factor: 1		Analysis Time...: 12:22		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1AT
		Dilution Factor: 1		Analysis Time...: 05:07		
Barium	17	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1AU
		Dilution Factor: 1		Analysis Time...: 05:07		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1AV
		Dilution Factor: 1		Analysis Time...: 05:07		
Chromium	3.5	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1AW
		Dilution Factor: 1		Analysis Time...: 05:07		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1AX
		Dilution Factor: 1		Analysis Time...: 05:07		
Manganese	1.4	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1A0
		Dilution Factor: 1		Analysis Time...: 05:07		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2M1A1
		Dilution Factor: 1		Analysis Time...: 05:07		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: FAZZI-5S91W-32**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-006**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 09:20    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>32000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2N1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:40		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2N1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:40		
<b>Magnesium</b>	<b>1100</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2N1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:40		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2N1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:40		
<b>Sodium</b>	<b>600000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2N1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:40		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>9.8</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1AT</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Barium</b>	<b>16</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1AU</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1AV</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1AW</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Lead</b>	<b>1.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1AX</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Manganese</b>	<b>3.7</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1A0</b>
		Dilution Factor: 1		Analysis Time...: 05:10		
<b>Selenium</b>	<b>290</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2N1A1</b>
		Dilution Factor: 1		Analysis Time...: 05:10		

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ORTON-5S91W-31

TOTAL Metals

Lot-Sample #...: D6H070187-007

Matrix.....: WATER

Date Sampled...: 08/02/06 13:30 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	63000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2Q1A2
		Dilution Factor: 1		Analysis Time...: 12:45		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2Q1A3
		Dilution Factor: 1		Analysis Time...: 12:45		
Magnesium	53000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2Q1AA
		Dilution Factor: 1		Analysis Time...: 12:45		
Potassium	3300	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2Q1AC
		Dilution Factor: 1		Analysis Time...: 12:45		
Sodium	110000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2Q1AD
		Dilution Factor: 1		Analysis Time...: 12:45		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1AT
		Dilution Factor: 1		Analysis Time...: 05:14		
Barium	15	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1AU
		Dilution Factor: 1		Analysis Time...: 05:14		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1AV
		Dilution Factor: 1		Analysis Time...: 05:14		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1AW
		Dilution Factor: 1		Analysis Time...: 05:14		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1AX
		Dilution Factor: 1		Analysis Time...: 05:14		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1A0
		Dilution Factor: 1		Analysis Time...: 05:14		
Selenium	7.6	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2Q1A1
		Dilution Factor: 1		Analysis Time...: 05:14		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SALB-6S93W-12**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-008**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 10:30 Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>94000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2T1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:49		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2T1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:49		
<b>Magnesium</b>	<b>57000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2T1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:49		
<b>Potassium</b>	<b>4700</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2T1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:49		
<b>Sodium</b>	<b>390000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2T1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:49		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1AT</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Barium</b>	<b>25</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1AU</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1AV</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1AW</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1AX</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Manganese</b>	<b>690</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1A0</b>
		Dilution Factor: 1		Analysis Time...: 05:18		
<b>Selenium</b>	<b>8.7</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2T1A1</b>
		Dilution Factor: 1		Analysis Time...: 05:18		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: URBAN-5S92W-33

## TOTAL Metals

Lot-Sample #...: D6H070187-009

Matrix.....: WATER

Date Sampled...: 08/03/06 13:30 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	48000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2W1A2
		Dilution Factor: 1		Analysis Time...: 12:54		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2W1A3
		Dilution Factor: 1		Analysis Time...: 12:54		
Magnesium	37000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2W1AA
		Dilution Factor: 1		Analysis Time...: 12:54		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2W1AC
		Dilution Factor: 1		Analysis Time...: 12:54		
Sodium	74000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR2W1AD
		Dilution Factor: 1		Analysis Time...: 12:54		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1AT
		Dilution Factor: 1		Analysis Time...: 05:21		
Barium	22	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1AU
		Dilution Factor: 1		Analysis Time...: 05:21		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1AV
		Dilution Factor: 1		Analysis Time...: 05:21		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1AW
		Dilution Factor: 1		Analysis Time...: 05:21		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1AX
		Dilution Factor: 1		Analysis Time...: 05:21		
Manganese	2.2	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1A0
		Dilution Factor: 1		Analysis Time...: 05:21		
Selenium	7.9	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR2W1A1
		Dilution Factor: 1		Analysis Time...: 05:21		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GREEN-6S93W-11**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-010**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 11:25    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>72000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2X1A2</b>
		Dilution Factor: 1		Analysis Time...: 12:58		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2X1A3</b>
		Dilution Factor: 1		Analysis Time...: 12:58		
<b>Magnesium</b>	<b>47000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2X1AA</b>
		Dilution Factor: 1		Analysis Time...: 12:58		
<b>Potassium</b>	<b>3900</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2X1AC</b>
		Dilution Factor: 1		Analysis Time...: 12:58		
<b>Sodium</b>	<b>310000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR2X1AD</b>
		Dilution Factor: 1		Analysis Time...: 12:58		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1AT</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Barium</b>	<b>25</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1AU</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1AV</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1AW</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1AX</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Manganese</b>	<b>250</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1A0</b>
		Dilution Factor: 1		Analysis Time...: 05:25		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR2X1A1</b>
		Dilution Factor: 1		Analysis Time...: 05:25		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SHOUP-6S93W-10**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-011**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 16:00 Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>130000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR201A2</b>
		Dilution Factor: 1		Analysis Time...: 13:03		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR201A3</b>
		Dilution Factor: 1		Analysis Time...: 13:03		
<b>Magnesium</b>	<b>75000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR201AA</b>
		Dilution Factor: 1		Analysis Time...: 13:03		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR201AC</b>
		Dilution Factor: 1		Analysis Time...: 13:03		
<b>Sodium</b>	<b>31000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR201AD</b>
		Dilution Factor: 1		Analysis Time...: 13:03		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201AT</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Barium</b>	<b>13</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201AU</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201AV</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201AW</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201AX</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Manganese</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201A0</b>
		Dilution Factor: 1		Analysis Time...: 05:36		
<b>Selenium</b>	<b>7.5</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR201A1</b>
		Dilution Factor: 1		Analysis Time...: 05:36		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ALLEN-5S92W-30**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-012**

**Matrix.....: WATER**

**Date Sampled...: 08/04/06 13:00    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>160000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR221A2</b>
		Dilution Factor: 1		Analysis Time...: 13:07		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR221A3</b>
		Dilution Factor: 1		Analysis Time...: 13:07		
<b>Magnesium</b>	<b>65000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR221AA</b>
		Dilution Factor: 1		Analysis Time...: 13:07		
<b>Potassium</b>	<b>4300</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR221AC</b>
		Dilution Factor: 1		Analysis Time...: 13:07		
<b>Sodium</b>	<b>320000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR221AD</b>
		Dilution Factor: 1		Analysis Time...: 13:07		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221AT</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Barium</b>	<b>31</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221AU</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221AV</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221AW</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Lead</b>	<b>1.1</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221AX</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Manganese</b>	<b>3.3</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221A0</b>
		Dilution Factor: 1		Analysis Time...: 05:39		
<b>Selenium</b>	<b>9.8</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR221A1</b>
		Dilution Factor: 1		Analysis Time...: 05:39		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TREU-5S92W-32**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-013**

**Matrix.....: WATER**

**Date Sampled...: 08/04/06 10:45    Date Received...: 08/07/06**

		REPORTING		PREPARATION-		WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #...: 6219529						
Calcium	170000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR231A2
		Dilution Factor: 1		Analysis Time...: 13:12		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR231A3
		Dilution Factor: 1		Analysis Time...: 13:12		
Magnesium	160000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR231AA
		Dilution Factor: 1		Analysis Time...: 13:12		
Potassium	12000	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR231AC
		Dilution Factor: 1		Analysis Time...: 13:12		
Sodium	1500000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR231AD
		Dilution Factor: 1		Analysis Time...: 13:12		
Prep Batch #...: 6219540						
Arsenic	6.6	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231AT
		Dilution Factor: 1		Analysis Time...: 05:43		
Barium	6.6	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231AU
		Dilution Factor: 1		Analysis Time...: 05:43		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231AV
		Dilution Factor: 1		Analysis Time...: 05:43		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231AW
		Dilution Factor: 1		Analysis Time...: 05:43		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231AX
		Dilution Factor: 1		Analysis Time...: 05:43		
Manganese	4.9	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231A0
		Dilution Factor: 1		Analysis Time...: 05:43		
Selenium	100	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR231A1
		Dilution Factor: 1		Analysis Time...: 05:43		

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LOWD-5S92W-33

TOTAL Metals

Lot-Sample #...: D6H070187-014

Matrix.....: WATER

Date Sampled...: 08/04/06 14:45 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	100000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR251A2
		Dilution Factor: 1		Analysis Time...: 13:17		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR251A3
		Dilution Factor: 1		Analysis Time...: 13:17		
Magnesium	83000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR251AA
		Dilution Factor: 1		Analysis Time...: 13:17		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR251AC
		Dilution Factor: 1		Analysis Time...: 13:17		
Sodium	60000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR251AD
		Dilution Factor: 1		Analysis Time...: 13:17		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251AT
		Dilution Factor: 1		Analysis Time...: 05:46		
Barium	19	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251AU
		Dilution Factor: 1		Analysis Time...: 05:46		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251AV
		Dilution Factor: 1		Analysis Time...: 05:46		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251AW
		Dilution Factor: 1		Analysis Time...: 05:46		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251AX
		Dilution Factor: 1		Analysis Time...: 05:46		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251A0
		Dilution Factor: 1		Analysis Time...: 05:46		
Selenium	7.1	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR251A1
		Dilution Factor: 1		Analysis Time...: 05:46		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: CHENO-6S91W-5**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-015**

**Matrix.....: WATER**

**Date Sampled...: 08/04/06 11:30    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>87000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR271A2</b>
		Dilution Factor: 1		Analysis Time...: 13:21		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR271A3</b>
		Dilution Factor: 1		Analysis Time...: 13:21		
<b>Magnesium</b>	<b>13000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR271AA</b>
		Dilution Factor: 1		Analysis Time...: 13:21		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR271AC</b>
		Dilution Factor: 1		Analysis Time...: 13:21		
<b>Sodium</b>	<b>9600</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR271AD</b>
		Dilution Factor: 1		Analysis Time...: 13:21		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271AT</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Barium</b>	<b>110</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271AU</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271AV</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271AW</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271AX</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Manganese</b>	<b>1.3</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271A0</b>
		Dilution Factor: 1		Analysis Time...: 05:50		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR271A1</b>
		Dilution Factor: 1		Analysis Time...: 05:50		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TALBOTT-6S91W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-016**

**Matrix.....: WATER**

**Date Sampled...: 08/03/06 11:15    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>85000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR281A2</b>
		Dilution Factor: 1		Analysis Time...: 13:39		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR281A3</b>
		Dilution Factor: 1		Analysis Time...: 13:39		
<b>Magnesium</b>	<b>29000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR281AA</b>
		Dilution Factor: 1		Analysis Time...: 13:39		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR281AC</b>
		Dilution Factor: 1		Analysis Time...: 13:39		
<b>Sodium</b>	<b>18000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR281AD</b>
		Dilution Factor: 1		Analysis Time...: 13:39		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281AT</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Barium</b>	<b>52</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281AU</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281AV</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281AW</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281AX</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Manganese</b>	<b>5.5</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281A0</b>
		Dilution Factor: 1		Analysis Time...: 05:54		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR281A1</b>
		Dilution Factor: 1		Analysis Time...: 05:54		

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COPE-6S91W-2

TOTAL Metals

Lot-Sample #...: D6H070187-017

Matrix.....: WATER

Date Sampled...: 08/04/06 14:40 Date Received...: 08/07/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6219529						
Calcium	100000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR3A1A2
		Dilution Factor: 1		Analysis Time...: 13:43		
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JAR3A1A3
		Dilution Factor: 1		Analysis Time...: 13:43		
Magnesium	63000	200	ug/L	MCAWW 200.7	08/09-08/10/06	JAR3A1AA
		Dilution Factor: 1		Analysis Time...: 13:43		
Potassium	3200	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR3A1AC
		Dilution Factor: 1		Analysis Time...: 13:43		
Sodium	150000	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JAR3A1AD
		Dilution Factor: 1		Analysis Time...: 13:43		
Prep Batch #...: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1AT
		Dilution Factor: 1		Analysis Time...: 05:57		
Barium	12	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1AU
		Dilution Factor: 1		Analysis Time...: 05:57		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1AV
		Dilution Factor: 1		Analysis Time...: 05:57		
Chromium	4.1	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1AW
		Dilution Factor: 1		Analysis Time...: 05:57		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1AX
		Dilution Factor: 1		Analysis Time...: 05:57		
Manganese	8.0	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1A0
		Dilution Factor: 1		Analysis Time...: 05:57		
Selenium	11	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JAR3A1A1
		Dilution Factor: 1		Analysis Time...: 05:57		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: HUGHES-6S91W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-018**

**Matrix.....: WATER**

**Date Sampled...: 08/03/06 12:30 Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>79000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3C1A2</b>
		Dilution Factor: 1		Analysis Time...: 13:48		
<b>Iron</b>	<b>350</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3C1A3</b>
		Dilution Factor: 1		Analysis Time...: 13:48		
<b>Magnesium</b>	<b>38000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3C1AA</b>
		Dilution Factor: 1		Analysis Time...: 13:48		
<b>Potassium</b>	<b>ND</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3C1AC</b>
		Dilution Factor: 1		Analysis Time...: 13:48		
<b>Sodium</b>	<b>15000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3C1AD</b>
		Dilution Factor: 1		Analysis Time...: 13:48		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AT</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Barium</b>	<b>23</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AU</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AV</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AW</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Lead</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AX</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Manganese</b>	<b>10</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1AO</b>
		Dilution Factor: 1		Analysis Time...: 06:01		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3C1A1</b>
		Dilution Factor: 1		Analysis Time...: 06:01		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BRE-6S93W-11**

**TOTAL Metals**

**Lot-Sample #...: D6H070187-019**

**Matrix.....: WATER**

**Date Sampled...: 08/02/06 14:30 Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6219529</b>						
<b>Calcium</b>	<b>75000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3E1A2</b>
		Dilution Factor: 1		Analysis Time...: 13:52		
<b>Iron</b>	<b>ND</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3E1A3</b>
		Dilution Factor: 1		Analysis Time...: 13:52		
<b>Magnesium</b>	<b>46000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3E1AA</b>
		Dilution Factor: 1		Analysis Time...: 13:52		
<b>Potassium</b>	<b>3800</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3E1AC</b>
		Dilution Factor: 1		Analysis Time...: 13:52		
<b>Sodium</b>	<b>360000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/09-08/10/06</b>	<b>JAR3E1AD</b>
		Dilution Factor: 1		Analysis Time...: 13:52		
<b>Prep Batch #...: 6219540</b>						
<b>Arsenic</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1AT</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Barium</b>	<b>22</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1AU</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1AV</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Chromium</b>	<b>ND</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1AW</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Lead</b>	<b>2.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1AX</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Manganese</b>	<b>90</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1A0</b>
		Dilution Factor: 1		Analysis Time...: 06:04		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/09-08/16/06</b>	<b>JAR3E1A1</b>
		Dilution Factor: 1		Analysis Time...: 06:04		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MURPH-6S92W-6**

**General Chemistry**

Lot-Sample #...: D6H070187-001    Work Order #...: JAR10    Matrix.....: WATER  
 Date Sampled...: 08/02/06 14:00    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:31		
Bicarbonate, as CaCO <sub>3</sub>	490	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.68 G	0.40	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 2		Analysis Time...: 18:41		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	270 Q	30	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 10		Analysis Time...: 01:16		
Fluoride	ND G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 2		Analysis Time...: 18:41		
Nitrate	2.3 G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 2		Analysis Time...: 18:41		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 2		Analysis Time...: 18:41		
Sulfate	960 Q	100	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 20		Analysis Time...: 07:52		
Total Dissolved Solids	2400	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE (S) :**

RL Reporting Limit

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

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SCHOUTEN-6S92W-5

General Chemistry

Lot-Sample #...: D6H070187-002    Work Order #...: JAR18    Matrix.....: WATER  
Date Sampled...: 08/02/06 09:30    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:40		
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 19:29		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	79 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 02:04		
Fluoride	0.80	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 19:29		
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 19:29		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 19:29		
Sulfate	370 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 10:52		
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

NOTE(S) :

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: NESBIT-6S92W-6**

**General Chemistry**

Lot-Sample #....: D6H070187-003    Work Order #....: JAR2J    Matrix.....: WATER  
 Date Sampled....: 08/02/06 10:45    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:45		
Bicarbonate, as CaCO <sub>3</sub>	390	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 19:44		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	99 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 02:20		
Fluoride	0.77	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 19:44		
Nitrate	0.70	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 19:44		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 19:44		
Sulfate	280 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 11:08		
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: LYONS-5S91W-31**

**General Chemistry**

**Lot-Sample #...** D6H070187-004    **Work Order #...** JAR2K    **Matrix.....** WATER  
**Date Sampled...** 08/02/06 14:30    **Date Received...** 08/07/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.7	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:48		
Bicarbonate, as CaCO <sub>3</sub>	260	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 20:00		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	51 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 02:35		
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 20:00		
Nitrate	3.1	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 20:00		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 20:00		
Sulfate	280 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 11:56		
Total Dissolved Solids	800	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ELDERKIN-5S91W-30

General Chemistry

Lot-Sample #...: D6H070187-005    Work Order #...: JAR2M    Matrix.....: WATER  
Date Sampled...: 08/02/06 12:30    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:34		
Bicarbonate, as CaCO <sub>3</sub>	280	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 20:16		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	9.2	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 20:16		
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 20:16		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 20:16		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 20:16		
Sulfate	170 Q	25	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 5		Analysis Time...: 03:23		
Total Dissolved Solids	610	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

NOTE(S) :

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FAZZI-5S91W-32

General Chemistry

Lot-Sample #...: D6H070187-006    Work Order #...: JAR2N    Matrix.....: WATER  
Date Sampled...: 08/02/06 09:20    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:51		
Bicarbonate, as CaCO <sub>3</sub>	400	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	1.8	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 21:04		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	220 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 03:39		
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 21:04		
Nitrate	13 Q	1.0	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 2		Analysis Time...: 21:04		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 21:04		
Sulfate	600 Q	100	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 20		Analysis Time...: 12:11		
Total Dissolved Solids	1800	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

NOTE(S) :

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ORTON-5S91W-31**

**General Chemistry**

Lot-Sample #....: D6H070187-007    Work Order #....: JAR2Q    Matrix.....: WATER  
 Date Sampled....: 08/02/06 13:30    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:46		
Bicarbonate, as CaCO <sub>3</sub>		5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 21:19		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	12	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 21:19		
Fluoride	0.99	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 21:19		
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 21:19		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 21:19		
Sulfate	220 Q	25	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 5		Analysis Time...: 03:55		
Total Dissolved Solids	710	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SALB-6S93W-12**

**General Chemistry**

**Lot-Sample #...** D6H070187-008    **Work Order #...** JAR2T    **Matrix.....** WATER  
**Date Sampled...** 08/02/06 10:30    **Date Received...** 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:54		
Bicarbonate, as CaCO <sub>3</sub>	550	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.41	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 21:35		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	150 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 04:10		
Fluoride	0.77	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 21:35		
Nitrate	2.4	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 21:35		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 21:35		
Sulfate	480 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 12:27		
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: URBAN-5S92W-33**

**General Chemistry**

**Lot-Sample #....: D6H070187-009    Work Order #....: JAR2W    Matrix.....: WATER**  
**Date Sampled....: 08/03/06 13:30    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.8	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:37		
Bicarbonate, as CaCO <sub>3</sub>	250	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 21:51		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	9.4	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 21:51		
Fluoride	0.90	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 21:51		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 21:51		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 21:51		
Sulfate	140 Q	25	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 5		Analysis Time...: 04:26		
Total Dissolved Solids	500	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GREEN-6S93W-11**

**General Chemistry**

Lot-Sample #....: D6H070187-010      Work Order #....: JAR2X      Matrix.....: WATER  
 Date Sampled....: 08/02/06 11:25      Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:06		
Bicarbonate, as CaCO <sub>3</sub>	490	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.21	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 22:07		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	140 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 04:42		
Fluoride	0.74	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 22:07		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 22:07		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 22:07		
Sulfate	330 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 12:43		
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SHOUP-6S93W-10**

**General Chemistry**

**Lot-Sample #...** D6H070187-011    **Work Order #...** JAR20    **Matrix.....** WATER  
**Date Sampled...** 08/02/06 16:00    **Date Received...** 08/07/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.3	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:08		
Bicarbonate, as CaCO <sub>3</sub>	300	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 22:23		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	9.5	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 22:23		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 22:23		
Nitrate	0.68	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 22:23		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 22:23		
Sulfate	360 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 12:59		
Total Dissolved Solids	920	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ALLEN-5S92W-30

General Chemistry

Lot-Sample #...: D6H070187-012    Work Order #...: JAR22    Matrix.....: WATER  
Date Sampled...: 08/04/06 13:00    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.1	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:01		
Bicarbonate, as CaCO <sub>3</sub>	560	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 22:38		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	39	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 22:38		
Fluoride	0.88	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 22:38		
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 22:38		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 22:38		
Sulfate	660 Q	100	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 20		Analysis Time...: 13:15		
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	08/09/06	6221564
		Dilution Factor: 1		Analysis Time...: 09:00		

NOTE(S):

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TREU-5S92W-32**

**General Chemistry**

**Lot-Sample #...** D6H070187-013    **Work Order #...** JAR23    **Matrix.....** WATER  
**Date Sampled...** 08/04/06 10:45    **Date Received...** 08/07/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:56		
Bicarbonate, as CaCO <sub>3</sub>	510	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	1.8 G	0.40	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 2		Analysis Time...: 22:54		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	370 Q	30	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 10		Analysis Time...: 05:29		
Fluoride	ND G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 2		Analysis Time...: 22:54		
Nitrate	7.3 G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 2		Analysis Time...: 22:54		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 2		Analysis Time...: 22:54		
Sulfate	3400 Q	500	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 100		Analysis Time...: 13:30		
Total Dissolved Solids	3000 Q	20	mg/L	MCAWW 160.1	08/09/06	6221564
		Dilution Factor: 2		Analysis Time...: 09:00		

**NOTE (S) :**

RL Reporting Limit

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

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: LOWD-5S92W-33**

**General Chemistry**

**Lot-Sample #...** D6H070187-014    **Work Order #...** JAR25    **Matrix.....** WATER  
**Date Sampled...** 08/04/06 14:45    **Date Received...** 08/07/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:11		
Bicarbonate, as CaCO <sub>3</sub>	370	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 23:10		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	38	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 23:10		
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 23:10		
Nitrate	0.94	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 23:10		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 23:10		
Sulfate	260 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 13:46		
Total Dissolved Solids	880	10	mg/L	MCAWW 160.1	08/09/06	6221564
		Dilution Factor: 1		Analysis Time...: 09:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: CHENO-6S91W-5

General Chemistry

Lot-Sample #....: D6H070187-015    Work Order #....: JAR27    Matrix.....: WATER  
Date Sampled....: 08/04/06 11:30    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:02		
Bicarbonate, as CaCO <sub>3</sub>	250	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 23:26		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	ND	3.0	mg/L	MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 23:26		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 23:26		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 23:26		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 23:26		
Sulfate	25	5.0	mg/L	MCAWW 300.0A	08/08/06	6222493
		Dilution Factor: 1		Analysis Time...: 23:26		
Total Dissolved Solids	330	10	mg/L	MCAWW 160.1	08/09/06	6221564
		Dilution Factor: 1		Analysis Time...: 09:00		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TALBOTT-6S91W-4**

**General Chemistry**

**Lot-Sample #...: D6H070187-016      Work Order #...: JAR28      Matrix.....: WATER**  
**Date Sampled...: 08/03/06 11:15      Date Received...: 08/07/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 13:57		
Bicarbonate, as CaCO <sub>3</sub>	310	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08-08/09/06	6222494
		Dilution Factor: 1		Analysis Time...: 00:13		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	ND	3.0	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 1		Analysis Time...: 00:13		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222490
		Dilution Factor: 1		Analysis Time...: 00:13		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222491
		Dilution Factor: 1		Analysis Time...: 00:13		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222492
		Dilution Factor: 1		Analysis Time...: 00:13		
Sulfate	49	5.0	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 1		Analysis Time...: 00:13		
Total Dissolved Solids	390	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: COPE-6S91W-2**

**General Chemistry**

**Lot-Sample #...: D6H070187-017    Work Order #...: JAR3A    Matrix.....: WATER**  
**Date Sampled...: 08/04/06 14:40    Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.5	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:13		
Bicarbonate, as CaCO <sub>3</sub>		5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08-08/09/06	6222494
		Dilution Factor: 1		Analysis Time...: 00:29		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	86 Q	15	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 5		Analysis Time...: 07:04		
Fluoride	0.82	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222490
		Dilution Factor: 1		Analysis Time...: 00:29		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222491
		Dilution Factor: 1		Analysis Time...: 00:29		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222492
		Dilution Factor: 1		Analysis Time...: 00:29		
Sulfate	370 Q	50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 10		Analysis Time...: 14:02		
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	08/09/06	6221564
		Dilution Factor: 1		Analysis Time...: 09:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: HUGHES-6S91W-4**

**General Chemistry**

Lot-Sample #....: D6H070187-018    Work Order #....: JAR3C    Matrix.....: WATER  
 Date Sampled....: 08/03/06 12:30    Date Received...: 08/07/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 14:07		
Bicarbonate, as CaCO <sub>3</sub>	320	5.0	mg/L	MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/08-08/09/06	6222494
		Dilution Factor: 1		Analysis Time...: 00:45		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	ND	3.0	mg/L	MCAWW 300.0A	08/08-08/09/06	6222489
		Dilution Factor: 1		Analysis Time...: 00:45		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222490
		Dilution Factor: 1		Analysis Time...: 00:45		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222491
		Dilution Factor: 1		Analysis Time...: 00:45		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/08-08/09/06	6222492
		Dilution Factor: 1		Analysis Time...: 00:45		
Sulfate	51 Q	25	mg/L	MCAWW 300.0A	08/08-08/09/06	6222493
		Dilution Factor: 5		Analysis Time...: 07:20		
Total Dissolved Solids	410	10	mg/L	MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BRE-6S93W-11**

**General Chemistry**

**Lot-Sample #...: D6H070187-019      Work Order #...: JAR3E      Matrix.....: WATER**

**Date Sampled...: 08/02/06 14:30      Date Received...: 08/07/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
<b>pH</b>	<b>7.5</b>	<b>0.10</b>	<b>No Units</b>	<b>MCAWW 150.1</b>	<b>08/08/06</b>	<b>6221337</b>
		Dilution Factor: 1		Analysis Time...: 13:59		
<b>Bicarbonate, as CaCO<sub>3</sub></b>	<b>540</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/16/06</b>	<b>6229156</b>
		Dilution Factor: 1		Analysis Time...: 10:00		
<b>Bromide</b>	<b>0.25</b>	<b>0.20</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222494</b>
		Dilution Factor: 1		Analysis Time...: 01:01		
<b>Carbonate, as CaCO<sub>3</sub></b>	<b>ND</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/16/06</b>	<b>6229157</b>
		Dilution Factor: 1		Analysis Time...: 10:00		
<b>Chloride</b>	<b>160 Q</b>	<b>15</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222489</b>
		Dilution Factor: 5		Analysis Time...: 07:36		
<b>Fluoride</b>	<b>0.85</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222490</b>
		Dilution Factor: 1		Analysis Time...: 01:01		
<b>Nitrate</b>	<b>ND</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222491</b>
		Dilution Factor: 1		Analysis Time...: 01:01		
<b>Nitrite</b>	<b>ND</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222492</b>
		Dilution Factor: 1		Analysis Time...: 01:01		
<b>Sulfate</b>	<b>390 Q</b>	<b>50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/08-08/09/06</b>	<b>6222493</b>
		Dilution Factor: 10		Analysis Time...: 14:18		
<b>Total Dissolved Solids</b>	<b>1400</b>	<b>10</b>	<b>mg/L</b>	<b>MCAWW 160.1</b>	<b>08/08/06</b>	<b>6220523</b>
		Dilution Factor: 1		Analysis Time...: 16:00		

**NOTE(S) :**

RL Reporting Limit

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

# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
002	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
003	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	RSK SOP-175		6223314	
004	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
005	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
006	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355

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# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
006	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
007	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
008	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
009	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H070187

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
009	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6223385	6223222
	WATER	RSK SOP-175		6223314	
010	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
011	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
012	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6221564	6226340
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327

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# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
013	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6221564	6226340
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
014	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6221564	6226340
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
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	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
015	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6221564	6226340
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
015	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
016	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
017	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6221564	6226340
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
018	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H070187

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
018	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
019	WATER	MCAWW 150.1		6221337	6225019
	WATER	MCAWW 160.1		6220523	6222181
	WATER	MCAWW 200.7		6219529	6219345
	WATER	MCAWW 310.1		6229157	
	WATER	MCAWW 300.0A		6222489	6222328
	WATER	MCAWW 300.0A		6222493	6222332
	WATER	MCAWW 300.0A		6222490	6222327
	WATER	MCAWW 300.0A		6222491	6222331
	WATER	MCAWW 300.0A		6222494	6222330
	WATER	MCAWW 300.0A		6222492	6222329
	WATER	MCAWW 200.8		6219540	6219355
	WATER	MCAWW 310.1		6229156	
	WATER	SW846 8021B		6226569	6226374
	WATER	RSK SOP-175		6223314	
020	WATER	SW846 8021B		6226569	6226374

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H070187  
MB Lot-Sample #: D6H110000-314

Work Order #...: JA6A01AA

Matrix.....: WATER

Analysis Date...: 08/08/06

Prep Date.....: 08/07/06

Analysis Time...: 13:51

Dilution Factor: 1

Prep Batch #...: 6223314

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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 #...: D6H070187      Work Order #...: JA6A01AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H110000-314      JA6A01AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/08/06  
 Prep Batch #...: 6223314      Analysis Time...: 13:41  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	101	(69 - 125)			RSK SOP-175
	106	(69 - 125)	4.7	(0-20)	RSK SOP-175
Ethane	104	(60 - 135)			RSK SOP-175
	109	(60 - 135)	4.7	(0-20)	RSK SOP-175
Ethene	107	(64 - 134)			RSK SOP-175
	112	(64 - 134)	4.4	(0-20)	RSK SOP-175
Acetylene	118	(60 - 120)			RSK SOP-175
	119	(60 - 120)	1.0	(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 #...: D6H070187      Work Order #...: JA6A01AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H110000-314      JA6A01AD-LCSD  
 Prep Date.....: 08/07/06      Analysis Date...: 08/08/06  
 Prep Batch #...: 6223314      Analysis Time...: 13:41  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Methane	73.0	73.8	ug/L	101		RSK SOP-175
	73.0	77.4	ug/L	106	4.7	RSK SOP-175
Ethane	137	142	ug/L	104		RSK SOP-175
	137	149	ug/L	109	4.7	RSK SOP-175
Ethene	127	136	ug/L	107		RSK SOP-175
	127	142	ug/L	112	4.4	RSK SOP-175
Acetylene	118	139	ug/L	118		RSK SOP-175
	118	140	ug/L	119	1.0	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

## GC Volatiles

Client Lot #...: D6H070187  
MB Lot-Sample #: D6H110000-385

Work Order #...: JA6XE1AA

Matrix.....: WATER

Analysis Date...: 08/10/06

Prep Date.....: 08/10/06

Analysis Time...: 16:02

Dilution Factor: 1

Prep Batch #...: 6223385

		REPORTING			
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	
Benzene	ND	0.50	ug/L	SW846	8021B
Ethylbenzene	ND	0.50	ug/L	SW846	8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846	8021B
Toluene	ND	0.50	ug/L	SW846	8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846	8021B
o-Xylene	ND	0.50	ug/L	SW846	8021B
Xylenes (total)	ND	0.50	ug/L	SW846	8021B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>			
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)			

### NOTE(S) :

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H070187  
MB Lot-Sample #: D6H140000-569  
Analysis Date...: 08/11/06  
Dilution Factor: 1

Work Order #...: JCA2Q1AA  
Prep Date.....: 08/11/06  
Prep Batch #...: 6226569

Matrix.....: WATER  
Analysis Time...: 13:18

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)		

NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H070187      Work Order #...: JA6XE1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H110000-385      JA6XE1AD-LCSD  
 Prep Date.....: 08/10/06      Analysis Date...: 08/10/06  
 Prep Batch #...: 6223385      Analysis Time...: 14:46  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	93	(75 - 117)			SW846 8021B
	99	(75 - 117)	6.5	(0-45)	SW846 8021B
Ethylbenzene	93	(79 - 115)			SW846 8021B
	98	(79 - 115)	5.8	(0-46)	SW846 8021B
Chlorobenzene	90	(81 - 115)			SW846 8021B
	96	(81 - 115)	6.4	(0-35)	SW846 8021B
Toluene	93	(77 - 115)			SW846 8021B
	98	(77 - 115)	5.8	(0-45)	SW846 8021B
Xylenes (total)	92	(79 - 116)			SW846 8021B
	98	(79 - 116)	6.1	(0-46)	SW846 8021B
1,3-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	102	(80 - 115)	7.0	(0-35)	SW846 8021B
1,4-Dichlorobenzene	92	(79 - 115)			SW846 8021B
	99	(79 - 115)	7.2	(0-35)	SW846 8021B
1,2-Dichlorobenzene	90	(80 - 115)			SW846 8021B
	97	(80 - 115)	7.0	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	97	(85 - 115)

### 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 #....: D6H070187      Work Order #....: JA6XE1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H110000-385      JA6XE1AD-LCSD  
 Prep Date.....: 08/10/06      Analysis Date...: 08/10/06  
 Prep Batch #....: 6223385      Analysis Time...: 14:46  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	18.6	ug/L	93		SW846 8021B
	20.0	19.8	ug/L	99	6.5	SW846 8021B
Ethylbenzene	20.0	18.6	ug/L	93		SW846 8021B
	20.0	19.7	ug/L	98	5.8	SW846 8021B
Chlorobenzene	20.0	18.0	ug/L	90		SW846 8021B
	20.0	19.2	ug/L	96	6.4	SW846 8021B
Toluene	20.0	18.5	ug/L	93		SW846 8021B
	20.0	19.6	ug/L	98	5.8	SW846 8021B
Xylenes (total)	60.0	55.2	ug/L	92		SW846 8021B
	60.0	58.7	ug/L	98	6.1	SW846 8021B
1,3-Dichlorobenzene	20.0	19.1	ug/L	96		SW846 8021B
	20.0	20.5	ug/L	102	7.0	SW846 8021B
1,4-Dichlorobenzene	20.0	18.3	ug/L	92		SW846 8021B
	20.0	19.7	ug/L	99	7.2	SW846 8021B
1,2-Dichlorobenzene	20.0	18.0	ug/L	90		SW846 8021B
	20.0	19.3	ug/L	97	7.0	SW846 8021B
				PERCENT RECOVERY	RECOVERY LIMITS	
SURROGATE				97	(85 - 115)	
a,a,a-Trifluorotoluene (TFT)				97	(85 - 115)	

### NOTE(S) :

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

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H070187      Work Order #...: JCA2Q1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H140000-569      JCA2Q1AD-LCSD  
 Prep Date.....: 08/11/06      Analysis Date...: 08/11/06  
 Prep Batch #...: 6226569      Analysis Time...: 12:13  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	88	(75 - 117)			SW846 8021B
	93	(75 - 117)	6.0	(0-45)	SW846 8021B
Ethylbenzene	89	(79 - 115)			SW846 8021B
	95	(79 - 115)	6.1	(0-46)	SW846 8021B
Chlorobenzene	85	(81 - 115)			SW846 8021B
	91	(81 - 115)	6.3	(0-35)	SW846 8021B
Toluene	86	(77 - 115)			SW846 8021B
	92	(77 - 115)	6.5	(0-45)	SW846 8021B
Xylenes (total)	89	(79 - 116)			SW846 8021B
	94	(79 - 116)	5.9	(0-46)	SW846 8021B
1,3-Dichlorobenzene	89	(80 - 115)			SW846 8021B
	95	(80 - 115)	6.8	(0-35)	SW846 8021B
1,4-Dichlorobenzene	90	(79 - 115)			SW846 8021B
	96	(79 - 115)	6.5	(0-35)	SW846 8021B
1,2-Dichlorobenzene	90	(80 - 115)			SW846 8021B
	95	(80 - 115)	5.7	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)
	95	(85 - 115)

### 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 #...: D6H070187      Work Order #...: JCA2Q1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H140000-569      JCA2Q1AD-LCSD  
 Prep Date.....: 08/11/06      Analysis Date...: 08/11/06  
 Prep Batch #...: 6226569      Analysis Time...: 12:13  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	17.6	ug/L	88		SW846 8021B
	20.0	18.7	ug/L	93	6.0	SW846 8021B
Ethylbenzene	20.0	17.9	ug/L	89		SW846 8021B
	20.0	19.0	ug/L	95	6.1	SW846 8021B
Chlorobenzene	20.0	17.0	ug/L	85		SW846 8021B
	20.0	18.1	ug/L	91	6.3	SW846 8021B
Toluene	20.0	17.3	ug/L	86		SW846 8021B
	20.0	18.5	ug/L	92	6.5	SW846 8021B
Xylenes (total)	60.0	53.3	ug/L	89		SW846 8021B
	60.0	56.6	ug/L	94	5.9	SW846 8021B
1,3-Dichlorobenzene	20.0	17.8	ug/L	89		SW846 8021B
	20.0	19.0	ug/L	95	6.8	SW846 8021B
1,4-Dichlorobenzene	20.0	18.0	ug/L	90		SW846 8021B
	20.0	19.2	ug/L	96	6.5	SW846 8021B
1,2-Dichlorobenzene	20.0	18.0	ug/L	90		SW846 8021B
	20.0	19.0	ug/L	95	5.7	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)
	95	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H070187      Work Order #...: JA0KL1C7-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H090244-005      JA0KL1C8-MSD  
 Date Sampled...: 08/08/06 15:10      Date Received...: 08/09/06  
 Prep Date.....: 08/10/06      Analysis Date...: 08/10/06  
 Prep Batch #...: 6223385      Analysis Time...: 17:22  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	97	(75 - 117)			SW846 8021B
	94	(75 - 117)	3.5	(0-45)	SW846 8021B
Ethylbenzene	96	(79 - 115)			SW846 8021B
	93	(79 - 115)	2.8	(0-46)	SW846 8021B
Chlorobenzene	94	(81 - 115)			SW846 8021B
	91	(81 - 115)	3.2	(0-35)	SW846 8021B
Toluene	96	(77 - 115)			SW846 8021B
	93	(77 - 115)	3.2	(0-45)	SW846 8021B
Xylenes (total)	95	(79 - 116)			SW846 8021B
	92	(79 - 116)	3.4	(0-46)	SW846 8021B
1,3-Dichlorobenzene	98	(80 - 115)			SW846 8021B
	95	(80 - 115)	2.9	(0-35)	SW846 8021B
1,4-Dichlorobenzene	95	(79 - 115)			SW846 8021B
	92	(79 - 115)	3.1	(0-35)	SW846 8021B
1,2-Dichlorobenzene	92	(80 - 115)			SW846 8021B
	91	(80 - 115)	1.7	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	96	(85 - 115)

### 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 Volatiles

Client Lot #...: D6H070187      Work Order #...: JA0KL1C7-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H090244-005      JA0KL1C8-MSD  
 Date Sampled...: 08/08/06 15:10      Date Received...: 08/09/06  
 Prep Date.....: 08/10/06      Analysis Date...: 08/10/06  
 Prep Batch #...: 6223385      Analysis Time...: 17:22  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	19.5	ug/L	97		SW846 8021B
	ND	20.0	18.8	ug/L	94	3.5	SW846 8021B
Ethylbenzene	ND	20.0	19.2	ug/L	96		SW846 8021B
	ND	20.0	18.7	ug/L	93	2.8	SW846 8021B
Chlorobenzene	ND	20.0	18.8	ug/L	94		SW846 8021B
	ND	20.0	18.2	ug/L	91	3.2	SW846 8021B
Toluene	ND	20.0	19.3	ug/L	96		SW846 8021B
	ND	20.0	18.7	ug/L	93	3.2	SW846 8021B
Xylenes (total)	ND	60.0	57.2	ug/L	95		SW846 8021B
	ND	60.0	55.3	ug/L	92	3.4	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	19.6	ug/L	98		SW846 8021B
	ND	20.0	19.0	ug/L	95	2.9	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	19.0	ug/L	95		SW846 8021B
	ND	20.0	18.4	ug/L	92	3.1	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	18.5	ug/L	92		SW846 8021B
	ND	20.0	18.2	ug/L	91	1.7	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	96	(85 - 115)

### NOTE (S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H070187      Work Order #....: JAR2X1A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H070187-010      JAR2X1A5-MSD  
 Date Sampled....: 08/02/06 11:25      Date Received...: 08/07/06  
 Prep Date.....: 08/11/06      Analysis Date...: 08/11/06  
 Prep Batch #....: 6226569      Analysis Time...: 15:02  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	90	(75 - 117)			SW846 8021B
	99	(75 - 117)	9.6	(0-45)	SW846 8021B
Ethylbenzene	91	(79 - 115)			SW846 8021B
	99	(79 - 115)	8.6	(0-46)	SW846 8021B
Chlorobenzene	87	(81 - 115)			SW846 8021B
	95	(81 - 115)	8.5	(0-35)	SW846 8021B
Toluene	89	(77 - 115)			SW846 8021B
	97	(77 - 115)	9.3	(0-45)	SW846 8021B
Xylenes (total)	90	(79 - 116)			SW846 8021B
	98	(79 - 116)	8.6	(0-46)	SW846 8021B
1,3-Dichlorobenzene	89	(80 - 115)			SW846 8021B
	97	(80 - 115)	8.3	(0-35)	SW846 8021B
1,4-Dichlorobenzene	90	(79 - 115)			SW846 8021B
	98	(79 - 115)	7.7	(0-35)	SW846 8021B
1,2-Dichlorobenzene	89	(80 - 115)			SW846 8021B
	97	(80 - 115)	9.0	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	96	(85 - 115)

### 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 Volatiles

Client Lot #....: D6H070187      Work Order #....: JAR2X1A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H070187-010      JAR2X1A5-MSD  
 Date Sampled....: 08/02/06 11:25      Date Received...: 08/07/06  
 Prep Date.....: 08/11/06      Analysis Date...: 08/11/06  
 Prep Batch #....: 6226569      Analysis Time...: 15:02  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	17.9	ug/L	90		SW846 8021B
	ND	20.0	19.7	ug/L	99	9.6	SW846 8021B
Ethylbenzene	ND	20.0	18.2	ug/L	91		SW846 8021B
	ND	20.0	19.8	ug/L	99	8.6	SW846 8021B
Chlorobenzene	ND	20.0	17.5	ug/L	87		SW846 8021B
	ND	20.0	19.0	ug/L	95	8.5	SW846 8021B
Toluene	ND	20.0	17.7	ug/L	89		SW846 8021B
	ND	20.0	19.4	ug/L	97	9.3	SW846 8021B
Xylenes (total)	ND	60.0	54.1	ug/L	90		SW846 8021B
	ND	60.0	59.0	ug/L	98	8.6	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	17.8	ug/L	89		SW846 8021B
	ND	20.0	19.3	ug/L	97	8.3	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	18.1	ug/L	90		SW846 8021B
	ND	20.0	19.5	ug/L	98	7.7	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	17.7	ug/L	89		SW846 8021B
	ND	20.0	19.4	ug/L	97	9.0	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	96	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: D6H070187

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			PREPARATION-	WORK
		LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
MB Lot-Sample #: D6H070000-529    Prep Batch #....: 6219529						
Calcium	ND	200	ug/L	MCAWW 200.7	08/09-08/10/06	JATDM1AA
		Dilution Factor: 1				
		Analysis Time...: 11:42				
Iron	ND	100	ug/L	MCAWW 200.7	08/09-08/10/06	JATDM1AC
		Dilution Factor: 1				
		Analysis Time...: 11:42				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/09-08/10/06	JATDM1AD
		Dilution Factor: 1				
		Analysis Time...: 11:42				
Potassium	ND	3000	ug/L	MCAWW 200.7	08/09-08/10/06	JATDM1AE
		Dilution Factor: 1				
		Analysis Time...: 11:42				
Sodium	ND	5000	ug/L	MCAWW 200.7	08/09-08/10/06	JATDM1AF
		Dilution Factor: 1				
		Analysis Time...: 11:42				
MB Lot-Sample #: D6H070000-540    Prep Batch #....: 6219540						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AA
		Dilution Factor: 1				
		Analysis Time...: 04:31				
Barium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AC
		Dilution Factor: 1				
		Analysis Time...: 04:31				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AD
		Dilution Factor: 1				
		Analysis Time...: 04:31				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AE
		Dilution Factor: 1				
		Analysis Time...: 04:31				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AF
		Dilution Factor: 1				
		Analysis Time...: 04:31				

(Continued on next page)

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H070187

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AG
		Dilution Factor: 1				
		Analysis Time...: 04:31				
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/09-08/16/06	JATEF1AH
		Dilution Factor: 1				
		Analysis Time...: 04:31				

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H070187

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>LCS Lot-Sample#:</b> D6H070000-529 <b>Prep Batch #...</b> : 6219529					
Calcium	99	(90 - 111)	MCAWW 200.7	08/09-08/10/06	JATDM1AG
		Dilution Factor: 1	Analysis Time...: 11:46		
Iron	102	(89 - 116)	MCAWW 200.7	08/09-08/10/06	JATDM1AH
		Dilution Factor: 1	Analysis Time...: 11:46		
Magnesium	102	(92 - 113)	MCAWW 200.7	08/09-08/10/06	JATDM1AJ
		Dilution Factor: 1	Analysis Time...: 11:46		
Potassium	106	(89 - 114)	MCAWW 200.7	08/09-08/10/06	JATDM1AK
		Dilution Factor: 1	Analysis Time...: 11:46		
Sodium	104	(90 - 117)	MCAWW 200.7	08/09-08/10/06	JATDM1AL
		Dilution Factor: 1	Analysis Time...: 11:46		
<b>LCS Lot-Sample#:</b> D6H070000-540 <b>Prep Batch #...</b> : 6219540					
Arsenic	94	(89 - 111)	MCAWW 200.8	08/09-08/16/06	JATEF1AJ
		Dilution Factor: 1	Analysis Time...: 04:34		
Barium	95	(89 - 117)	MCAWW 200.8	08/09-08/16/06	JATEF1AK
		Dilution Factor: 1	Analysis Time...: 04:34		
Cadmium	91	(89 - 111)	MCAWW 200.8	08/09-08/16/06	JATEF1AL
		Dilution Factor: 1	Analysis Time...: 04:34		
Chromium	102	(86 - 124)	MCAWW 200.8	08/09-08/16/06	JATEF1AM
		Dilution Factor: 1	Analysis Time...: 04:34		
Lead	97	(88 - 119)	MCAWW 200.8	08/09-08/16/06	JATEF1AN
		Dilution Factor: 1	Analysis Time...: 04:34		
Manganese	97	(87 - 124)	MCAWW 200.8	08/09-08/16/06	JATEF1AP
		Dilution Factor: 1	Analysis Time...: 04:34		
Selenium	91	(82 - 114)	MCAWW 200.8	08/09-08/16/06	JATEF1AQ
		Dilution Factor: 1	Analysis Time...: 04:34		

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H070187

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D6H070000-529 Prep Batch #...: 6219529							
Calcium	50000	49700	ug/L	99	MCAWW 200.7	08/09-08/10/06	JATDM1AG
			Dilution Factor: 1		Analysis Time...: 11:46		
Iron	1000	1020	ug/L	102	MCAWW 200.7	08/09-08/10/06	JATDM1AH
			Dilution Factor: 1		Analysis Time...: 11:46		
Magnesium	50000	51000	ug/L	102	MCAWW 200.7	08/09-08/10/06	JATDM1AJ
			Dilution Factor: 1		Analysis Time...: 11:46		
Potassium	50000	52800	ug/L	106	MCAWW 200.7	08/09-08/10/06	JATDM1AK
			Dilution Factor: 1		Analysis Time...: 11:46		
Sodium	50000	51900	ug/L	104	MCAWW 200.7	08/09-08/10/06	JATDM1AL
			Dilution Factor: 1		Analysis Time...: 11:46		
LCS Lot-Sample#: D6H070000-540 Prep Batch #...: 6219540							
Arsenic	40.0	37.5	ug/L	94	MCAWW 200.8	08/09-08/16/06	JATEF1AJ
			Dilution Factor: 1		Analysis Time...: 04:34		
Barium	40.0	38.1	ug/L	95	MCAWW 200.8	08/09-08/16/06	JATEF1AK
			Dilution Factor: 1		Analysis Time...: 04:34		
Cadmium	40.0	36.4	ug/L	91	MCAWW 200.8	08/09-08/16/06	JATEF1AL
			Dilution Factor: 1		Analysis Time...: 04:34		
Chromium	40.0	40.7	ug/L	102	MCAWW 200.8	08/09-08/16/06	JATEF1AM
			Dilution Factor: 1		Analysis Time...: 04:34		
Lead	40.0	38.6	ug/L	97	MCAWW 200.8	08/09-08/16/06	JATEF1AN
			Dilution Factor: 1		Analysis Time...: 04:34		
Manganese	40.0	38.7	ug/L	97	MCAWW 200.8	08/09-08/16/06	JATEF1AP
			Dilution Factor: 1		Analysis Time...: 04:34		
Selenium	40.0	36.4	ug/L	91	MCAWW 200.8	08/09-08/16/06	JATEF1AQ
			Dilution Factor: 1		Analysis Time...: 04:34		

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H070187

Matrix.....: WATER

Date Sampled...: 08/02/06 14:00 Date Received...: 08/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6H070187-001 Prep Batch #...: 6219529						
Calcium	98	(90 - 111)		MCAWW 200.7	08/09-08/10/06	JAR101A4
	95	(90 - 111)	0.78 (0-20)	MCAWW 200.7	08/09-08/10/06	JAR101A5
			Dilution Factor: 1			
			Analysis Time...: 11:59			
Iron	101	(89 - 116)		MCAWW 200.7	08/09-08/10/06	JAR101A6
	101	(89 - 116)	0.73 (0-20)	MCAWW 200.7	08/09-08/10/06	JAR101A7
			Dilution Factor: 1			
			Analysis Time...: 11:59			
Magnesium	106	(92 - 113)		MCAWW 200.7	08/09-08/10/06	JAR101A8
	103	(92 - 113)	0.64 (0-20)	MCAWW 200.7	08/09-08/10/06	JAR101A9
			Dilution Factor: 1			
			Analysis Time...: 11:59			
Potassium	109	(89 - 114)		MCAWW 200.7	08/09-08/10/06	JAR101CA
	111	(89 - 114)	1.0 (0-20)	MCAWW 200.7	08/09-08/10/06	JAR101CC
			Dilution Factor: 1			
			Analysis Time...: 11:59			
Sodium	NC,MSB	(90 - 117)		MCAWW 200.7	08/09-08/10/06	JAR101CD
	NC,MSB	(90 - 117)	(0-20)	MCAWW 200.7	08/09-08/10/06	JAR101CE
			Dilution Factor: 1			
			Analysis Time...: 11:59			

### 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.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #....: D6H070187

Matrix.....: WATER

Date Sampled....: 08/02/06 14:00 Date Received...: 08/07/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H070187-001 Prep Batch #....: 6219529

### Calcium

140000	50000	186000	ug/L	98			MCAWW 200.7	08/09-08/10/06	JAR101A4
140000	50000	184000	ug/L	95	0.78		MCAWW 200.7	08/09-08/10/06	JAR101A5
Dilution Factor: 1									
Analysis Time...: 11:59									

### Iron

ND	1000	1040	ug/L	101			MCAWW 200.7	08/09-08/10/06	JAR101A6
ND	1000	1050	ug/L	101	0.73		MCAWW 200.7	08/09-08/10/06	JAR101A7
Dilution Factor: 1									
Analysis Time...: 11:59									

### Magnesium

170000	50000	226000	ug/L	106			MCAWW 200.7	08/09-08/10/06	JAR101A8
170000	50000	224000	ug/L	103	0.64		MCAWW 200.7	08/09-08/10/06	JAR101A9
Dilution Factor: 1									
Analysis Time...: 11:59									

### Potassium

6100	50000	60900	ug/L	109			MCAWW 200.7	08/09-08/10/06	JAR101CA
6100	50000	61500	ug/L	111	1.0		MCAWW 200.7	08/09-08/10/06	JAR101CC
Dilution Factor: 1									
Analysis Time...: 11:59									

### Sodium

380000	50000	438000	ug/L				MCAWW 200.7	08/09-08/10/06	JAR101CD
Qualifiers: NC,MSB									
380000	50000	440000	ug/L				MCAWW 200.7	08/09-08/10/06	JAR101CE
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 11:59									

### 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.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H070187

Matrix.....: WATER

Date Sampled...: 08/02/06 09:30 Date Received...: 08/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H070187-002 Prep Batch #...: 6219540</b>						
Arsenic	95	(79 - 120)		MCAWW 200.8	08/09-08/16/06	JAR181A4
	95	(79 - 120)	0.28 (0-30)	MCAWW 200.8	08/09-08/16/06	JAR181A5
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Barium	97	(83 - 118)		MCAWW 200.8	08/09-08/16/06	JAR181A6
	93	(83 - 118)	2.7 (0-30)	MCAWW 200.8	08/09-08/16/06	JAR181A7
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Cadmium	90	(82 - 115)		MCAWW 200.8	08/09-08/16/06	JAR181A8
	88	(82 - 115)	2.3 (0-30)	MCAWW 200.8	08/09-08/16/06	JAR181A9
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Chromium	100	(80 - 124)		MCAWW 200.8	08/09-08/16/06	JAR181CA
	99	(80 - 124)	1.0 (0-30)	MCAWW 200.8	08/09-08/16/06	JAR181CC
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Lead	93	(79 - 119)		MCAWW 200.8	08/09-08/16/06	JAR181CD
	90	(79 - 119)	2.7 (0-30)	MCAWW 200.8	08/09-08/16/06	JAR181CE
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Manganese	98	(57 - 149)		MCAWW 200.8	08/09-08/16/06	JAR181CF
	99	(57 - 149)	0.92 (0-35)	MCAWW 200.8	08/09-08/16/06	JAR181CG
		Dilution Factor: 1				
		Analysis Time...: 04:45				
Selenium	98	(64 - 134)		MCAWW 200.8	08/09-08/16/06	JAR181CH
	95	(64 - 134)	2.8 (0-35)	MCAWW 200.8	08/09-08/16/06	JAR181CJ
		Dilution Factor: 1				
		Analysis Time...: 04:45				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #....: D6H070187

Matrix.....: WATER

Date Sampled....: 08/02/06 09:30 Date Received...: 08/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H070187-002 Prep Batch #....: 6219540</b>									
<b>Arsenic</b>									
ND	40.0	40.0	39.2	ug/L	95		MCAWW 200.8	08/09-08/16/06	JAR181A4
ND	40.0	40.0	39.1	ug/L	95	0.28	MCAWW 200.8	08/09-08/16/06	JAR181A5
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Barium</b>									
11	40.0	40.0	49.8	ug/L	97		MCAWW 200.8	08/09-08/16/06	JAR181A6
11	40.0	40.0	48.4	ug/L	93	2.7	MCAWW 200.8	08/09-08/16/06	JAR181A7
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Cadmium</b>									
ND	40.0	40.0	36.0	ug/L	90		MCAWW 200.8	08/09-08/16/06	JAR181A8
ND	40.0	40.0	35.2	ug/L	88	2.3	MCAWW 200.8	08/09-08/16/06	JAR181A9
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Chromium</b>									
ND	40.0	40.0	42.4	ug/L	100		MCAWW 200.8	08/09-08/16/06	JAR181CA
ND	40.0	40.0	41.9	ug/L	99	1.0	MCAWW 200.8	08/09-08/16/06	JAR181CC
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Lead</b>									
ND	40.0	40.0	37.6	ug/L	93		MCAWW 200.8	08/09-08/16/06	JAR181CD
ND	40.0	40.0	36.6	ug/L	90	2.7	MCAWW 200.8	08/09-08/16/06	JAR181CE
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Manganese</b>									
ND	40.0	40.0	40.2	ug/L	98		MCAWW 200.8	08/09-08/16/06	JAR181CF
ND	40.0	40.0	40.6	ug/L	99	0.92	MCAWW 200.8	08/09-08/16/06	JAR181CG
Dilution Factor: 1									
Analysis Time...: 04:45									
<b>Selenium</b>									
7.8	40.0	40.0	46.9	ug/L	98		MCAWW 200.8	08/09-08/16/06	JAR181CH
7.8	40.0	40.0	45.6	ug/L	95	2.8	MCAWW 200.8	08/09-08/16/06	JAR181CJ
Dilution Factor: 1									
Analysis Time...: 04:45									

### NOTE (S) :

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

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H070187

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO3	ND	Work Order #: JCMJK1AA 5.0	mg/L	MB Lot-Sample #: D6H170000-156 MCAWW 310.1	08/16/06	6229156
		Dilution Factor: 1				
		Analysis Time...: 10:00				
Bromide	ND	Work Order #: JA4N51AA 0.20	mg/L	MB Lot-Sample #: D6H100000-494 MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Carbonate, as CaCO3	ND	Work Order #: JCMJ01AA 5.0	mg/L	MB Lot-Sample #: D6H170000-157 MCAWW 310.1	08/16/06	6229157
		Dilution Factor: 1				
		Analysis Time...: 10:00				
Chloride	ND	Work Order #: JA4N21AA 3.0	mg/L	MB Lot-Sample #: D6H100000-489 MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Fluoride	ND	Work Order #: JA4N11AA 0.50	mg/L	MB Lot-Sample #: D6H100000-490 MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Nitrate	ND	Work Order #: JA4N71AA 0.50	mg/L	MB Lot-Sample #: D6H100000-491 MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Nitrite	ND	Work Order #: JA4N41AA 0.50	mg/L	MB Lot-Sample #: D6H100000-492 MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Sulfate	ND	Work Order #: JA4N91AA 5.0	mg/L	MB Lot-Sample #: D6H100000-493 MCAWW 300.0A	08/08/06	6222493
		Dilution Factor: 1				
		Analysis Time...: 18:25				
Total Dissolved Solids	ND	Work Order #: JA2X11AA 10	mg/L	MB Lot-Sample #: D6H080000-523 MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1				
		Analysis Time...: 16:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D6H070187

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	08/09/06	6221564
		Work Order #: JCAXT1AA MB Lot-Sample #: D6H090000-564				
		Dilution Factor: 1				
		Analysis Time..: 09:00				

**NOTE(S) :**

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H070187

Matrix.....: WATER

	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD	LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH		WO#:JA9PG1AA-LCS/JA9PG1AC-LCSD LCS Lot-Sample#: D6H090000-337						
	100	(97 - 102)				MCAWW 150.1	08/08/06	6221337
	100	(97 - 102)	0.14	(0-5.0)		MCAWW 150.1	08/08/06	6221337
		Dilution Factor: 1		Analysis Time...: 10:53				
Bromide		WO#:JA4N51AC-LCS/JA4N51AD-LCSD LCS Lot-Sample#: D6H100000-494						
	99	(90 - 110)				MCAWW 300.0A	08/08/06	6222494
	99	(90 - 110)	0.30	(0-10)		MCAWW 300.0A	08/08/06	6222494
		Dilution Factor: 1		Analysis Time...: 17:54				
Chloride		WO#:JA4N21AC-LCS/JA4N21AD-LCSD LCS Lot-Sample#: D6H100000-489						
	100	(90 - 110)				MCAWW 300.0A	08/08/06	6222489
	99	(90 - 110)	0.59	(0-10)		MCAWW 300.0A	08/08/06	6222489
		Dilution Factor: 1		Analysis Time...: 17:54				
Fluoride		WO#:JA4N11AC-LCS/JA4N11AD-LCSD LCS Lot-Sample#: D6H100000-490						
	103	(90 - 110)				MCAWW 300.0A	08/08/06	6222490
	103	(90 - 110)	0.58	(0-10)		MCAWW 300.0A	08/08/06	6222490
		Dilution Factor: 1		Analysis Time...: 17:54				
Nitrate		WO#:JA4N71AC-LCS/JA4N71AD-LCSD LCS Lot-Sample#: D6H100000-491						
	100	(90 - 110)				MCAWW 300.0A	08/08/06	6222491
	99	(90 - 110)	0.36	(0-10)		MCAWW 300.0A	08/08/06	6222491
		Dilution Factor: 1		Analysis Time...: 17:54				
Nitrite		WO#:JA4N41AC-LCS/JA4N41AD-LCSD LCS Lot-Sample#: D6H100000-492						
	102	(90 - 110)				MCAWW 300.0A	08/08/06	6222492
	102	(90 - 110)	0.0	(0-10)		MCAWW 300.0A	08/08/06	6222492
		Dilution Factor: 1		Analysis Time...: 17:54				
Sulfate		WO#:JA4N91AC-LCS/JA4N91AD-LCSD LCS Lot-Sample#: D6H100000-493						
	100	(90 - 110)				MCAWW 300.0A	08/08/06	6222493
	100	(90 - 110)	0.35	(0-10)		MCAWW 300.0A	08/08/06	6222493
		Dilution Factor: 1		Analysis Time...: 17:54				
Total Dissolved Solids		WO#:JA2X11AC-LCS/JA2X11AD-LCSD LCS Lot-Sample#: D6H080000-523						
	100	(86 - 106)				MCAWW 160.1	08/08/06	6220523
	100	(86 - 106)	0.40	(0-20)		MCAWW 160.1	08/08/06	6220523
		Dilution Factor: 1		Analysis Time...: 16:00				

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H070187

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved					WO#:JCAXT1AC-LCS/JCAXT1AD-LCSD	LCS Lot-Sample#: D6H090000-564	
Solids							
	99	(86 - 106)			MCAWW 160.1	08/09/06	6221564
	99	(86 - 106)	0.0	(0-20)	MCAWW 160.1	08/09/06	6221564
					Dilution Factor: 1	Analysis Time..: 09:00	

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H070187

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH								
						WO#:JA9PG1AA-LCS/JA9PG1AC-LCSD LCS Lot-Sample#: D6H090000-337		
	7.00	7.01	No Units	100		MCAWW 150.1	08/08/06	6221337
	7.00	7.02	No Units	100	0.14	MCAWW 150.1	08/08/06	6221337
						Dilution Factor: 1 Analysis Time...: 10:53		
Bromide						WO#:JA4N51AC-LCS/JA4N51AD-LCSD LCS Lot-Sample#: D6H100000-494		
	4.00	3.97	mg/L	99		MCAWW 300.0A	08/08/06	6222494
	4.00	3.95	mg/L	99	0.30	MCAWW 300.0A	08/08/06	6222494
						Dilution Factor: 1 Analysis Time...: 17:54		
Chloride						WO#:JA4N21AC-LCS/JA4N21AD-LCSD LCS Lot-Sample#: D6H100000-489		
	20.0	19.9	mg/L	100		MCAWW 300.0A	08/08/06	6222489
	20.0	19.8	mg/L	99	0.59	MCAWW 300.0A	08/08/06	6222489
						Dilution Factor: 1 Analysis Time...: 17:54		
Fluoride						WO#:JA4N11AC-LCS/JA4N11AD-LCSD LCS Lot-Sample#: D6H100000-490		
	4.00	4.14	mg/L	103		MCAWW 300.0A	08/08/06	6222490
	4.00	4.11	mg/L	103	0.58	MCAWW 300.0A	08/08/06	6222490
						Dilution Factor: 1 Analysis Time...: 17:54		
Nitrate						WO#:JA4N71AC-LCS/JA4N71AD-LCSD LCS Lot-Sample#: D6H100000-491		
	4.00	3.99	mg/L	100		MCAWW 300.0A	08/08/06	6222491
	4.00	3.98	mg/L	99	0.36	MCAWW 300.0A	08/08/06	6222491
						Dilution Factor: 1 Analysis Time...: 17:54		
Nitrite						WO#:JA4N41AC-LCS/JA4N41AD-LCSD LCS Lot-Sample#: D6H100000-492		
	4.00	4.07	mg/L	102		MCAWW 300.0A	08/08/06	6222492
	4.00	4.07	mg/L	102	0.0	MCAWW 300.0A	08/08/06	6222492
						Dilution Factor: 1 Analysis Time...: 17:54		
Sulfate						WO#:JA4N91AC-LCS/JA4N91AD-LCSD LCS Lot-Sample#: D6H100000-493		
	20.0	20.0	mg/L	100		MCAWW 300.0A	08/08/06	6222493
	20.0	19.9	mg/L	100	0.35	MCAWW 300.0A	08/08/06	6222493
						Dilution Factor: 1 Analysis Time...: 17:54		
Total Dissolved Solids						WO#:JA2X11AC-LCS/JA2X11AD-LCSD LCS Lot-Sample#: D6H080000-523		
	500	500	mg/L	100		MCAWW 160.1	08/08/06	6220523
	500	498	mg/L	100	0.40	MCAWW 160.1	08/08/06	6220523
						Dilution Factor: 1 Analysis Time...: 16:00		

(Continued on next page)

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H070187

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved								
Solids								
	500	496	mg/L	99		MCAWW 160.1	08/09/06	6221564
	500	496	mg/L	99	0.0	MCAWW 160.1	08/09/06	6221564

WO#:JCAXT1AC-LCS/JCAXT1AD-LCSD LCS Lot-Sample#: D6H090000-564

Dilution Factor: 1 Analysis Time...: 09:00

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H070187

Matrix.....: WATER

Date Sampled....: 08/02/06 14:00 Date Received...: 08/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: JAR101CM-MS/JAR101CN-MSD MS Lot-Sample #: D6H070187-001				
	100	(80 - 120)			MCAWW 300.0A	08/08/06	6222494
	100	(80 - 120)	0.19	(0-20)	MCAWW 300.0A	08/08/06	6222494
			Dilution Factor: 2				
			Analysis Time...: 18:57				
Chloride			WO#: JAR101CH-MS/JAR101CJ-MSD MS Lot-Sample #: D6H070187-001				
	123 N	(80 - 120)			MCAWW 300.0A	08/08-08/09/06	6222489
	123 N	(80 - 120)	0.0	(0-20)	MCAWW 300.0A	08/08-08/09/06	6222489
			Dilution Factor: 10				
			Analysis Time...: 01:32				
Fluoride			WO#: JAR101CF-MS/JAR101CG-MSD MS Lot-Sample #: D6H070187-001				
	95	(80 - 120)			MCAWW 300.0A	08/08/06	6222490
	95	(80 - 120)	0.21	(0-20)	MCAWW 300.0A	08/08/06	6222490
			Dilution Factor: 2				
			Analysis Time...: 18:57				
Nitrate			WO#: JAR101CP-MS/JAR101CQ-MSD MS Lot-Sample #: D6H070187-001				
	98	(80 - 120)			MCAWW 300.0A	08/08/06	6222491
	98	(80 - 120)	0.09	(0-20)	MCAWW 300.0A	08/08/06	6222491
			Dilution Factor: 2				
			Analysis Time...: 18:57				
Nitrite			WO#: JAR101CK-MS/JAR101CL-MSD MS Lot-Sample #: D6H070187-001				
	108	(80 - 120)			MCAWW 300.0A	08/08/06	6222492
	107	(80 - 120)	0.40	(0-20)	MCAWW 300.0A	08/08/06	6222492
			Dilution Factor: 2				
			Analysis Time...: 18:57				
Sulfate			WO#: JAR101CR-MS/JAR101CT-MSD MS Lot-Sample #: D6H070187-001				
	90	(80 - 120)			MCAWW 300.0A	08/08-08/09/06	6222493
	87	(80 - 120)	1.0	(0-20)	MCAWW 300.0A	08/08-08/09/06	6222493
			Dilution Factor: 20				
			Analysis Time...: 08:07				

### NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #....: D6H070187

Matrix.....: WATER

Date Sampled....: 08/02/06 14:00 Date Received...: 08/07/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide									
WO#: JAR101CM-MS/JAR101CN-MSD MS Lot-Sample #: D6H070187-001									
	0.68	10.0	10.7	mg/L	100		MCAWW 300.0A	08/08/06	6222494
	0.68	10.0	10.7	mg/L	100	0.19	MCAWW 300.0A	08/08/06	6222494
Dilution Factor: 2									
Analysis Time...: 18:57									
Chloride									
WO#: JAR101CH-MS/JAR101CJ-MSD MS Lot-Sample #: D6H070187-001									
	270	200	515 N	mg/L	123		MCAWW 300.0A	08/08-08/09/06	6222489
	270	200	515 N	mg/L	123	0.0	MCAWW 300.0A	08/08-08/09/06	6222489
Dilution Factor: 10									
Analysis Time...: 01:32									
Fluoride									
WO#: JAR101CF-MS/JAR101CG-MSD MS Lot-Sample #: D6H070187-001									
	ND	10.0	10.5	mg/L	95		MCAWW 300.0A	08/08/06	6222490
	ND	10.0	10.5	mg/L	95	0.21	MCAWW 300.0A	08/08/06	6222490
Dilution Factor: 2									
Analysis Time...: 18:57									
Nitrate									
WO#: JAR101CP-MS/JAR101CQ-MSD MS Lot-Sample #: D6H070187-001									
	2.3	10.0	12.2	mg/L	98		MCAWW 300.0A	08/08/06	6222491
	2.3	10.0	12.1	mg/L	98	0.09	MCAWW 300.0A	08/08/06	6222491
Dilution Factor: 2									
Analysis Time...: 18:57									
Nitrite									
WO#: JAR101CK-MS/JAR101CL-MSD MS Lot-Sample #: D6H070187-001									
	ND	10.0	10.8	mg/L	108		MCAWW 300.0A	08/08/06	6222492
	ND	10.0	10.7	mg/L	107	0.40	MCAWW 300.0A	08/08/06	6222492
Dilution Factor: 2									
Analysis Time...: 18:57									
Sulfate									
WO#: JAR101CR-MS/JAR101CT-MSD MS Lot-Sample #: D6H070187-001									
	960	500	1410	mg/L	90		MCAWW 300.0A	08/08-08/09/06	6222493
	960	500	1390	mg/L	87	1.0	MCAWW 300.0A	08/08-08/09/06	6222493
Dilution Factor: 20									
Analysis Time...: 08:07									

### NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H070187

Work Order #....: JAR10-SMP  
JAR10-DUP

Matrix.....: WATER

Date Sampled....: 08/02/06 14:00 Date Received...: 08/07/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	7.4	No Units	0.41	(0-5.0)	MCAWW 150.1	08/08/06	6221337
				Dilution Factor: 1	Analysis Time...: 13:31			

SD Lot-Sample #: D6H070187-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H070187

Work Order #...: JAR18-SMP  
JAR18-DUP

Matrix.....: WATER

Date Sampled...: 08/02/06 09:30

Date Received...: 08/07/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H070187-002		
Solids	1100	1100	mg/L	0.65	(0-20)	MCAWW 160.1	08/08/06	6220523
			Dilution Factor: 1		Analysis Time...: 16:00			

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H070187

Work Order #...: JAQCC-SMP  
JAQCC-DUP

Matrix.....: WATER

Date Sampled...: 08/04/06 08:30

Date Received...: 08/05/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H050152-001		
Solids	640	650	mg/L	1.2	(0-20)	MCAWW 160.1	08/09/06	6221563
			Dilution Factor: 1			Analysis Time...: 09:00		

# Chain of Custody Record

STL-4124 (0901)

5148 IRD  
8/7/06

SEVERN  
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STL

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

Client: SSPA/COGCC Project Manager: Ryan Grigsby Date: 8/14/06 Chain of Custody Number: 336513

Address: 1877 Broadway S703 Telephone Number (Area Code)/Fax Number: 303-939-8850 Lab Number: 303-736-0100 Page: 1 of 3

City: BOULDER State: CO Zip Code: 80302 Site Contact: C. Pearcey Lab Contact: Mike Phillips Analysis (Attach list if more space is needed)

Project Name and Location (State): COGCC Gafeld Co. (CO) Carrier/Maybill Number: SSP-1049

Contract/Purchase Order/Quote No.: G9286 Matrix: Containers & Preservatives: EPA 300.0, EPA 310.1/SM2303, EPA 200.7, EPA 150.1, EPA 160.1, SW 8021, RSK 175, EPA 200.8

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	EPA 300.0	EPA 310.1/SM2303	EPA 200.7	EPA 150.1	EPA 160.1	SW 8021	RSK 175	EPA 200.8
MURPH-6S92W-6 / 1-L	8/2/06	14:00		X			X						X	X		X	X	X		X
1 / 500mL																				
1 / 13xVOR							X										X			
SCHUTEN-6S92W-5 / 1-L	8/2/06	9:30					X						X	X		X	X			
1 / 500mL																				
1 / 13xVOR							X										X			
NESBIT-6S92W-6 / 1-L	8/2/06	10:45					X						X	X		X	X			
1 / 500mL																				
1 / 13xVOR							X										X			
1 / 13xVOR							X													
1 / 3xVOR							X													

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

1. Relinquished By: [Signature] Date: 8/16/06 Time: 12:00  
2. Received By: [Signature] Date: 8/7/06 Time: 1330

3. Relinquished By: [Signature] Date: [ ] Time: [ ]  
3. Received By: [Signature] Date: [ ] Time: [ ]

Comments: [ ]

Special Instructions/  
Conditions of Receipt

# Chain of Custody Record

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Severn Trent Laboratories, Inc.

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client <b>SSPA / COGCC</b>		Project Manager <b>Bryan Grigsby</b>		Date <b>8/4/06</b>	Chain of Custody Number <b>336512</b>																		
Address <b>1877 BROADWAY</b>		<b>ST03</b>	Telephone Number (Area Code)/Fax Number <b>303.939.8880</b>		Lab Number <b>303.736.0160</b>																		
City <b>BOULDER</b>	State <b>CO</b>	Zip Code <b>80302</b>	Site Contact <b>C. Percy</b>	Lab Contact <b>Mike Phillips</b>	Page <b>2</b> of <b>3</b>																		
Project Name and Location (State) <b>COGCC - Garfield Co. (CCO)</b>			Carrier/Waybill Number <b>SSP-1049</b>																				
Contract/Purchase Order/Quote No. <b>692286</b>			Matrix																				
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Containers & Preservatives	EPA 300.0	EPA 310.1/SM203B	EPA 200.7	EPA 150.1	EPA 160.1	SW 8021	RSK 175	EPA 200.8	Special Instructions/ Conditions of Receipt
LYONS-SS91W-31 / 1-L		8/2/06	14:30		X			X						X									
ELDERKIN-SS91W-30 / 1-L		8/2/06	12:30					X						X									
FAZZI-SS91W-32 / 1-L		8/2/06	9:20					X						X									
1. Relinquished By <i>Nancy</i>		Date <b>8/7/06</b>	Time <b>12:00</b>	1. Received By <i>[Signature]</i>		Date <b>8/7/06</b>	Time <b>13:30</b>																
2. Relinquished By		Date	Time	2. Received By		Date	Time																
3. Relinquished By		Date	Time	3. Received By		Date	Time																

**STL Denver**  
4955 Yarrow Street  
Arvada, CO 80002

Chain of Custody Number

Chain of Custody Number  
336514

Page 3 of 3

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Special Instructions/

### Conditions of Receipt

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[illegible]

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*samples are retained*

10

Time

17/10	1330
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100

Time

[illegible]

2

2.6<sup>0</sup> IR2  
8/7/06

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TRENT

# STL

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# Chain of Custody Record

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STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client <b>SSPA/COGAC</b>		Project Manager <b>Bryan Gragby</b>		Date <b>8/4/06</b>	Chain of Custody Number <b>336511</b>
Address <b>1877 Broadway S703</b>		Telephone Number (Area Code)/Fax Number <b>303.939.8880</b>		Lab Number <b>303736.000</b>	Page <b>2</b> of <b>2</b>
City <b>Boulder</b>	State <b>CO</b>	Zip Code <b>80302</b>	Site Contact <b>C. Peacy</b>	Lab Contact <b>Mike Phillips</b>	
Project Name and Location (State) <b>COGAC - Garfield Co (Colorado)</b>		Carrier/Trailer Number <b>SSP-1049</b>			
Contract/Purchase Order/Quote No. <b>69286</b>					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH			
SHOUP-6593W-10/1-1	8/2/06	10:00		X			X						X	EPA 300.0	
								X						X EPA 310.1/SM23013	
									X					EPA-200.7	
										X				X EPA-150.1	
											X			X EPA-160.1	
												X		SW 8021	
													X	RSK 175	
														EPA 200.8	
ALLEN-5592W-30/1-1	8/4/06	13:00					X							X	
								X						X	
									X					X	
										X				X	
TREV-5592W-32/1-1	8/4/06	10:45					X							X	
								X						X	
									X					X	
										X				X	

Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client
Turn Around Time Required		Other: <b>STD</b>			
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	
1. Relinquished By <b>Mike Peacy</b>		Date <b>8/7/06</b>	Time <b>12:00</b>		
2. Relinquished By <b>Mike Phillips</b>		Date <b>8/7/06</b>	Time <b>13:30</b>		
3. Relinquished By		Date	Time		
Comments					

Chain of  
Custody Record

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TRENT

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STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

4.5<sup>th</sup> IR2  
8/7/06

STL-4124 (0901)

Client	SSPA/COGCC		Project Manager	Bryan Briggsby		Date	8/4/06	Chain of Custody Number	336508												
Address	1877 Broadway ST03		Telephone Number (Area Code)/Fax Number	303-939-8880		Lab Number	303-736-0160	Page	1 of 2												
City	Boulder	State	CO	Zip Code	80302	Site Contact	C. Peacy	Lab Contact	Mike Phillips												
Project Name and Location (State)	COGCC - Garfield CO (Colorado)		Carrier/Waybill Number	SSP-1049		Analysis (Attach list if more space is needed)															
Contract/Purchase Order/Quote No.	69286		Matrix		Containers & Preservatives		Special Instructions/ Conditions of Receipt														
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EPA-300.0	EPA-310.1/300.3	EPA-200.7	EPA 150.1	EPA 160.1	SW 8021	RSK 175	EPA 200.8	
LODD-5592W-33 / 1-L	8/4/06	14:45	X	X			X	X						X	X	X	X	X	X	X	X
1 / 500mL			X	X																	
1 / 3xVDA			X	X			X														
1 / 3xVDA			X	X			X														
CHEVO-6591W-5 / 1-L	8/4/06	11:30	X	X			X	X					X	X	X	X	X	X	X	X	X
1 / 500mL			X	X				X													
1 / 3xVDA			X	X			X														
1 / 3xVDA			X	X			X														
TALBOTT-6591W-4 / 1-L	8/3/06	11:15	X	X			X	X					X	X	X	X	X	X	X	X	X
1 / 500mL			X	X				X													
1 / 3xVDA			X	X			X														
1 / 3xVDA			X	X			X														
1 / 3xVDA			X	X			X														
Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)																	
<input checked="" type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Return To Client		<input type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For		Months					
Turn Around Time Required		24 Hours		48 Hours		7 Days		14 Days		21 Days		<input checked="" type="checkbox"/> Other		STD							
1. Relinquished By		Date		8/7/06		Time		12:00		1. Received By		Date		8/7/06		Time		13:30			
2. Relinquished By		Date								2. Received By		Date									
3. Relinquished By		Date								3. Received By		Date									
Comments																					

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Client

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[www.stl-inc.com](http://www.stl-inc.com)

## **ANALYTICAL REPORT**

**Garfield County Water/Gas Sampling**

**Lot D6H110363**

**Christine Pearcy**

**S. S. Papadopoulos & Associates, Inc.  
1877 Broadway  
Suite 703  
Boulder, CO 80302-5245**

**SEVERN TRENT LABORATORIES, INC. / STL DENVER**

A handwritten signature in black ink that reads "Michael P. Phillips".

**Michael P. Phillips  
Project Manager**

**August 28, 2006**

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# Table Of Contents

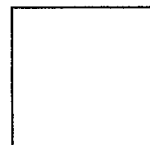
## ***Standard Deliverables***

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

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



- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Chain-of-Custody

## **CASE NARRATIVE**

### **D6H110363**

The following report contains the analytical results for twenty four samples and two trip blanks submitted to STL Denver by S. S. Papadopoulos & Associates for the Garfield County Water/Gas Sampling Project. The samples were received August 11, 2006, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

STL Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

#### **Supplemental QC Information**

##### **Sample Arrival and Receipt**

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 1.7°C, 3.8°C, 4.1°C, and 1.4°C.

STL uses a holding time of 24 hours for pH by Method 150.1 to allow for sample shipment. However, the analysis for pH by Method 150.1 should be performed in the field immediately following sampling. Most of the analyses for pH were performed by the lab outside of STL's holding time of 24 hours. In addition, most of the Nitrate and Nitrite analyses by Method 300.0A were performed outside the holding time of 48 hours due to the samples arriving at the lab past the holding time. The client was notified on August 14, 2006 and the lab was advised to proceed with the analyses.

Two samples, labeled ARMSTRONG-5S91W-30D and COLLIER-5S91W-4D, were received that were not listed on the chain-of-custody. Both of these samples were logged for BTEX/MTBE by SW846 8021B and RSK SOP-175 based on the types of sample containers received and the labels on the sample containers. Two Trip Blanks were received that were listed on the chain-of-custody, but with no analyses specified. Both Trip Blanks were logged for analysis for BTEX/MTBE by SW846 8021B. The client was notified on August 14, 2006.

No other anomalies were observed.

##### **BTEX / MTBE, SW846 Method 8021B**

No anomalies were observed.

### **Dissolved Methane, RSK SOP-175**

No MS/MSD could be performed due to insufficient sample volume for batch 6227654; however, a LCS/LCSD pair was analyzed to demonstrate method precision. In addition, a MS/MSD was analyzed for batch 6228564 using a sample from another client and/or lot and all results were in control.

No other anomalies were observed.

### **Total Metals, EPA Method 200.8**

The percent recoveries and the relative percent difference of the MS/MSD associated with batch 6226336 performed using a sample from another client and/or lot were not calculated for Lead and Manganese because the sample concentrations were greater than four times the spike amounts.

No other anomalies were observed.

### **Major Cation, EPA Method 200.7**

The MS/MSD performed using sample WHITT-6S91W-6 for batch 6226354 exhibited MS and MSD recoveries outside control limits for Calcium. The MS/MSD performed using a sample from another client and/or lot for batch 6226355 exhibited MS and MSD recoveries outside control limits for Potassium. Also for batch 6226355, the percent recoveries for the MS/MSD and the relative percent difference were not calculated for Sodium because the sample concentration was greater than four times the spike amount. Because the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

The serial dilution for Calcium in batch 6226354 did not meet the control criteria due to physical or chemical interferences. The Calcium results associated with this batch are flagged with "L" in the report as a result.

No other anomalies were observed.

### **Major Anions, EPA Method 300.0**

All of the samples except COLLER-5S91W-4 required dilutions for one or more of the Major Anions due to the high concentrations of the target analytes in the samples or matrix interferences. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" or "G" in the report.

The MS/MSD performed using sample WHITT-6S91W-6 exhibited MS and/or MSD recoveries outside control limits for Bromide, Fluoride, and Nitrate. The MS recovery for Chloride using WHITT-6S91W-6 was within the control limits but was an estimated result because the measured concentration exceeded the calibration range. Although the MS/MSD performed using sample WHITT-6S91W-6 was in control for Nitrite for batch 6227300, the MS/MSD performed using a sample from another client and/or lot for batch 6227205 exhibited a relative percent difference that was above the upper control limit. Because all of the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies may be due to matrix interferences and no corrective action was taken.

No other anomalies were observed.

**Alkalinity, pH, and Total Dissolved Solids, EPA Methods 310.1, 150.1, and 160.1**

Sample MILLER-5S92W-34 required a dilution for Total Dissolved Solids due to the high concentration of the target analyte in the sample. The reporting limit has been adjusted relative to the dilution required and the result has been flagged with "Q" in the report.

No other anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>WHITT-6S91W-6 08/08/06 10:00 001</b>				
Calcium	80000 L	200	ug/L	MCAWW 200.7
Iron	100	100	ug/L	MCAWW 200.7
Magnesium	32000	200	ug/L	MCAWW 200.7
Sodium	120000	5000	ug/L	MCAWW 200.7
Barium	35	1.0	ug/L	MCAWW 200.8
Manganese	15	1.0	ug/L	MCAWW 200.8
Selenium	6.7	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	670	10	mg/L	MCAWW 160.1
Solids				
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A
Nitrate	0.60	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	420	5.0	mg/L	MCAWW 310.1
<b>MELLO-5S92W-26 08/08/06 17:15 002</b>				
Calcium	50000 L	200	ug/L	MCAWW 200.7
Magnesium	52000	200	ug/L	MCAWW 200.7
Potassium	6300	3000	ug/L	MCAWW 200.7
Sodium	110000	5000	ug/L	MCAWW 200.7
Barium	18	1.0	ug/L	MCAWW 200.8
Selenium	5.7	5.0	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved	680	10	mg/L	MCAWW 160.1
Solids				
Chloride	11	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.83	0.50	mg/L	MCAWW 300.0A
Nitrate	8.3	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	340	5.0	mg/L	MCAWW 310.1
<b>BECKER-6S91W-6 08/08/06 11:50 003</b>				
Calcium	43000 L	200	ug/L	MCAWW 200.7
Magnesium	15000	200	ug/L	MCAWW 200.7
Sodium	200000	5000	ug/L	MCAWW 200.7
Barium	20	1.0	ug/L	MCAWW 200.8
Selenium	21	5.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	680	10	mg/L	MCAWW 160.1
Solids				

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# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>BECKER-6S91W-6 08/08/06 11:50 003</b>				
Chloride	9.5	3.0	mg/L	MCAWW 300.0A
Sulfate	110 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.4	0.50	mg/L	MCAWW 300.0A
Nitrate	0.70	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	450	5.0	mg/L	MCAWW 310.1
<b>MARTIN-6S91W-5 08/07/06 12:20 004</b>				
Calcium	100000 L	200	ug/L	MCAWW 200.7
Magnesium	21000	200	ug/L	MCAWW 200.7
Sodium	29000	5000	ug/L	MCAWW 200.7
Barium	38	1.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1
Chloride	7.8	3.0	mg/L	MCAWW 300.0A
Sulfate	51 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.65	0.50	mg/L	MCAWW 300.0A
Nitrate	1.1	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	340	5.0	mg/L	MCAWW 310.1
<b>BELLIO2-5S91W-32 08/09/06 11:15 005</b>				
Calcium	67000 L	200	ug/L	MCAWW 200.7
Magnesium	46000	200	ug/L	MCAWW 200.7
Sodium	190000	5000	ug/L	MCAWW 200.7
Barium	10	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	910	10	mg/L	MCAWW 160.1
Chloride	10	3.0	mg/L	MCAWW 300.0A
Sulfate	260 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.84	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	500	5.0	mg/L	MCAWW 310.1
<b>MILLER-5S92W-34 08/07/06 11:40 007</b>				
Calcium	250000 L	200	ug/L	MCAWW 200.7
Magnesium	47000	200	ug/L	MCAWW 200.7
Potassium	6100	3000	ug/L	MCAWW 200.7
Sodium	1500000	5000	ug/L	MCAWW 200.7
Arsenic	8.2	5.0	ug/L	MCAWW 200.8
Barium	14	1.0	ug/L	MCAWW 200.8

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# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>MILLER-5S92W-34 08/07/06 11:40 007</b>				
Lead	1.0	1.0	ug/L	MCAWW 200.8
Manganese	5.3	1.0	ug/L	MCAWW 200.8
Selenium	120	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	5500 Q	20	mg/L	MCAWW 160.1
Solids				
Chloride	780 Q	150	mg/L	MCAWW 300.0A
Sulfate	2700 Q	500	mg/L	MCAWW 300.0A
Nitrate	5.4 G	1.0	mg/L	MCAWW 300.0A
Bromide	2.5 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	290	5.0	mg/L	MCAWW 310.1
<b>COULTER-5S92W-34 08/07/06 15:15 008</b>				
Calcium	97000 L	200	ug/L	MCAWW 200.7
Magnesium	86000	200	ug/L	MCAWW 200.7
Sodium	310000	5000	ug/L	MCAWW 200.7
Barium	14	1.0	ug/L	MCAWW 200.8
Lead	1.2	1.0	ug/L	MCAWW 200.8
Manganese	1.6	1.0	ug/L	MCAWW 200.8
Selenium	20	5.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	1600	10	mg/L	MCAWW 160.1
Solids				
Chloride	160 Q	60	mg/L	MCAWW 300.0A
Sulfate	630 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A
Nitrate	1.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.30	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	410	5.0	mg/L	MCAWW 310.1
<b>HINKLE-6S92W-4 08/08/06 09:00 009</b>				
Calcium	90000 L	200	ug/L	MCAWW 200.7
Iron	900	100	ug/L	MCAWW 200.7
Magnesium	59000	200	ug/L	MCAWW 200.7
Potassium	4100	3000	ug/L	MCAWW 200.7
Sodium	170000	5000	ug/L	MCAWW 200.7
Barium	17	1.0	ug/L	MCAWW 200.8
Manganese	3.0	1.0	ug/L	MCAWW 200.8
Selenium	6.3	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	970	10	mg/L	MCAWW 160.1
Solids				

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# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>HINKLE-6S92W-4 08/08/06 09:00 009</b>				
Chloride	51 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	300 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.50	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	400	5.0	mg/L	MCAWW 310.1
<b>OLIVER-5S92W-26 08/08/06 14:30 011</b>				
Calcium	61000 L	200	ug/L	MCAWW 200.7
Iron	230	100	ug/L	MCAWW 200.7
Magnesium	58000	200	ug/L	MCAWW 200.7
Potassium	5400	3000	ug/L	MCAWW 200.7
Sodium	34000	5000	ug/L	MCAWW 200.7
Barium	20	1.0	ug/L	MCAWW 200.8
Lead	1.1	1.0	ug/L	MCAWW 200.8
Manganese	2.2	1.0	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Chloride	9.4	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.55	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	290	5.0	mg/L	MCAWW 310.1
<b>WALTER-6S92W-4 08/08/06 16:30 012</b>				
Calcium	110000 L	200	ug/L	MCAWW 200.7
Magnesium	66000	200	ug/L	MCAWW 200.7
Potassium	3400	3000	ug/L	MCAWW 200.7
Sodium	170000	5000	ug/L	MCAWW 200.7
Barium	12	1.0	ug/L	MCAWW 200.8
Selenium	6.9	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1
Chloride	32	3.0	mg/L	MCAWW 300.0A
Sulfate	380 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	430	5.0	mg/L	MCAWW 310.1

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# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>LAYMAN-5S92W-25 08/09/06 10:30 013</b>				
Calcium	150000 L	200	ug/L	MCAWW 200.7
Magnesium	67000	200	ug/L	MCAWW 200.7
Potassium	4100	3000	ug/L	MCAWW 200.7
Sodium	290000	5000	ug/L	MCAWW 200.7
Barium	42	1.0	ug/L	MCAWW 200.8
Manganese	8.7	1.0	ug/L	MCAWW 200.8
Selenium	27	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1600	10	mg/L	MCAWW 160.1
Solids				
Chloride	250 Q	60	mg/L	MCAWW 300.0A
Sulfate	790 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.92	0.50	mg/L	MCAWW 300.0A
Nitrate	22	0.50	mg/L	MCAWW 300.0A
Bromide	0.61	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	450	5.0	mg/L	MCAWW 310.1
<b>GUCINI-6S91W-5 08/07/06 10:50 014</b>				
Calcium	77000 L	200	ug/L	MCAWW 200.7
Iron	110	100	ug/L	MCAWW 200.7
Magnesium	17000	200	ug/L	MCAWW 200.7
Sodium	57000	5000	ug/L	MCAWW 200.7
Barium	32	1.0	ug/L	MCAWW 200.8
Manganese	41	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	440	10	mg/L	MCAWW 160.1
Solids				
Chloride	3.8	3.0	mg/L	MCAWW 300.0A
Sulfate	74 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.59	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	290	5.0	mg/L	MCAWW 310.1
<b>ARMSTRONG-5S91W-30 08/07/06 17:00 015</b>				
Calcium	19000 L	200	ug/L	MCAWW 200.7
Iron	210	100	ug/L	MCAWW 200.7
Magnesium	2400	200	ug/L	MCAWW 200.7
Sodium	170000	5000	ug/L	MCAWW 200.7
Barium	24	1.0	ug/L	MCAWW 200.8
Manganese	6.1	1.0	ug/L	MCAWW 200.8
pH	7.8	0.10	No Units	MCAWW 150.1
Total Dissolved	520	10	mg/L	MCAWW 160.1
Solids				

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# EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ARMSTRONG-5S91W-30 08/07/06 17:00 015				
Chloride	6.3	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.1	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	260	5.0	mg/L	MCAWW 310.1
HOLSAN-6S91W-6 08/10/06 10:30 016				
Calcium	19000 L	200	ug/L	MCAWW 200.7
Iron	150	100	ug/L	MCAWW 200.7
Magnesium	1300	200	ug/L	MCAWW 200.7
Sodium	270000	5000	ug/L	MCAWW 200.7
Barium	29	1.0	ug/L	MCAWW 200.8
Manganese	85	1.0	ug/L	MCAWW 200.8
pH	7.9	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	730	10	mg/L	MCAWW 160.1
Chloride	70 Q	15	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	360	5.0	mg/L	MCAWW 310.1
MOEN-6S92W-6 08/10/06 09:00 017				
Calcium	42000 L	200	ug/L	MCAWW 200.7
Magnesium	33000	200	ug/L	MCAWW 200.7
Potassium	4800	3000	ug/L	MCAWW 200.7
Sodium	570000	5000	ug/L	MCAWW 200.7
Barium	14	1.0	ug/L	MCAWW 200.8
Selenium	100	5.0	ug/L	MCAWW 200.8
pH	7.9	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1800	10	mg/L	MCAWW 160.1
Chloride	210 Q	60	mg/L	MCAWW 300.0A
Sulfate	690 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A
Nitrate	8.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.58	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	450	5.0	mg/L	MCAWW 310.1

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## EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>COLLER-5S91W-4 08/10/06 11:00 018</b>				
Calcium	90000 L	200	ug/L	MCAWW 200.7
Magnesium	30000	200	ug/L	MCAWW 200.7
Sodium	10000	5000	ug/L	MCAWW 200.7
Barium	79	1.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	400	10	mg/L	MCAWW 160.1
Solids				
Chloride	3.0	3.0	mg/L	MCAWW 300.0A
Sulfate	29	5.0	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	320	5.0	mg/L	MCAWW 310.1
<b>WALKER-5S92W-25 08/09/06 18:45 019</b>				
Calcium	38000 L	200	ug/L	MCAWW 200.7
Magnesium	17000	200	ug/L	MCAWW 200.7
Sodium	180000	5000	ug/L	MCAWW 200.7
Barium	15	1.0	ug/L	MCAWW 200.8
Selenium	16	5.0	ug/L	MCAWW 200.8
pH	7.8	0.10	No Units	MCAWW 150.1
Total Dissolved	650	10	mg/L	MCAWW 160.1
Solids				
Chloride	14	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.5	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	340	5.0	mg/L	MCAWW 310.1
<b>BELLIO1-6S92W-2 08/09/06 12:15 020</b>				
Calcium	100000 L	200	ug/L	MCAWW 200.7
Magnesium	76000	200	ug/L	MCAWW 200.7
Potassium	3400	3000	ug/L	MCAWW 200.7
Sodium	230000	5000	ug/L	MCAWW 200.7
Barium	11	1.0	ug/L	MCAWW 200.8
Manganese	1.9	1.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Chloride	21	3.0	mg/L	MCAWW 300.0A
Sulfate	410 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.95	0.50	mg/L	MCAWW 300.0A
Nitrate	2.7	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	550	5.0	mg/L	MCAWW 310.1

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## EXECUTIVE SUMMARY - Detection Highlights

D6H110363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SAM-5S91W-31 08/09/06 11:30 021				
Calcium	28000 L	200	ug/L	MCAWW 200.7
Iron	160	100	ug/L	MCAWW 200.7
Magnesium	10000	200	ug/L	MCAWW 200.7
Sodium	340000	5000	ug/L	MCAWW 200.7
Barium	13	1.0	ug/L	MCAWW 200.8
Manganese	2.1	1.0	ug/L	MCAWW 200.8
Selenium	22	5.0	ug/L	MCAWW 200.8
pH	7.9	0.10	No Units	MCAWW 150.1
Total Dissolved	980	10	mg/L	MCAWW 160.1
Solids				
Chloride	22	3.0	mg/L	MCAWW 300.0A
Sulfate	370 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.1	0.50	mg/L	MCAWW 300.0A
Nitrate	0.92	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	420	5.0	mg/L	MCAWW 310.1
ZAR-6S92W-3 08/09/06 15:30 022				
Calcium	100000 L	200	ug/L	MCAWW 200.7
Magnesium	62000	200	ug/L	MCAWW 200.7
Potassium	3100	3000	ug/L	MCAWW 200.7
Sodium	180000	5000	ug/L	MCAWW 200.7
Barium	9.4	1.0	ug/L	MCAWW 200.8
Manganese	1.8	1.0	ug/L	MCAWW 200.8
Selenium	5.9	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved	1000	10	mg/L	MCAWW 160.1
Solids				
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	360 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A
Nitrate	0.96	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	440	5.0	mg/L	MCAWW 310.1
BELLIO3-6S92W-2 08/09/06 13:16 023				
Calcium	100000	200	ug/L	MCAWW 200.7
Magnesium	100000	200	ug/L	MCAWW 200.7
Potassium	3600	3000	ug/L	MCAWW 200.7
Sodium	95000	5000	ug/L	MCAWW 200.7
Barium	11	1.0	ug/L	MCAWW 200.8
Manganese	1.4	1.0	ug/L	MCAWW 200.8
Selenium	12	5.0	ug/L	MCAWW 200.8

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## EXECUTIVE SUMMARY - Detection Highlights

D6H110363

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
BELLIO3-6S92W-2 08/09/06 13:16 023				
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	990	10	mg/L	MCAWW 160.1
Chloride	7.8	3.0	mg/L	MCAWW 300.0A
Sulfate	280 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.60	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	510	5.0	mg/L	MCAWW 310.1

## METHODS SUMMARY

D6H110363

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
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	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8	MCAWW 200.8
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Volatiles by GC	SW846 8021B	SW846 5030

### 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

D6H110363

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Christopher Grisdale	009582
MCAWW 200.7	Janel Motichka	002862
MCAWW 200.7	Lynn-Anne Trudell	006645
MCAWW 200.7	Lynn-Anne Trudell	6645
MCAWW 200.8	Yong-ming Ding	011576
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Andrew M. Perlman	008060
RSK SOP-175	Patrick Quirk	006795
SW846 8021B	Adam Pavlakovich	003128

### 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

D6H110363

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JA7VL	001	WHITT-6S91W-6	08/08/06	10:00
JA7VQ	002	MELLO-5S92W-26	08/08/06	17:15
JA7VT	003	BECKER-6S91W-6	08/08/06	11:50
JA7VW	004	MARTIN-6S91W-5	08/07/06	12:20
JA7V0	005	BELLIO2-5S91W-32	08/09/06	11:15
JA7V4	006	TRIP BLANK	08/09/06	
JA7V8	007	MILLER-5S92W-34	08/07/06	11:40
JA7V9	008	COULTER-5S92W-34	08/07/06	15:15
JA7WA	009	HINKLE-6S92W-4	08/08/06	09:00
JA7WC	010	HINKLE-6S92W-4D	08/08/06	09:00
JA7WF	011	OLIVER-5S92W-26	08/08/06	14:30
JA7WH	012	WALTER-6S92W-4	08/08/06	16:30
JA7WL	013	LAYMAN-5S92W-25	08/09/06	10:30
JA7WP	014	GUCINI-6S91W-5	08/07/06	10:50
JA7WQ	015	ARMSTRONG-5S91W-30	08/07/06	17:00
JA7WR	016	HOLSAN-6S91W-6	08/10/06	10:30
JA7WT	017	MOEN-6S92W-6	08/10/06	09:00
JA7W2	018	COLLER-5S91W-4	08/10/06	11:00
JA7W3	019	WALKER-5S92W-25	08/09/06	18:45
JA7XA	020	BELLIO1-6S92W-2	08/09/06	12:15
JA7XC	021	SAM-5S91W-31	08/09/06	11:30
JA7XE	022	ZAR-6S92W-3	08/09/06	15:30
JA7XF	023	BELLIO3-6S92W-2	08/09/06	13:16
JA7XG	024	TRIP BLANK	08/11/06	08:00
JA7XJ	025	ARMSTRONG-5S91W-30D	08/07/06	17:00
JA7XM	026	COLLER-5S91W-4D	08/10/06	11:00

## NOTE (S) :

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WHITT-6S91W-6

GC Volatiles

Lot-Sample #....: D6H110363-001    Work Order #....: JA7VL1A3    Matrix.....: WATER  
Date Sampled....: 08/08/06 10:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 12:41  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MELLO-5S92W-26

GC Volatiles

Lot-Sample #....: D6H110363-002    Work Order #....: JA7VQ1AE    Matrix.....: WATER  
Date Sampled....: 08/08/06 17:15    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 12:46  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BECKER-6S91W-6

GC Volatiles

Lot-Sample #...: D6H110363-003    Work Order #...: JA7VT1AE    Matrix.....: WATER  
Date Sampled...: 08/08/06 11:50    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 12:51  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MARTIN-6S91W-5

GC Volatiles

Lot-Sample #...: D6H110363-004    Work Order #...: JA7VW1AE    Matrix.....: WATER  
Date Sampled...: 08/07/06 12:20    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 12:56  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO2-5S91W-32

GC Volatiles

Lot-Sample #...: D6H110363-005    Work Order #...: JA7V01AE    Matrix.....: WATER  
Date Sampled...: 08/09/06 11:15    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 13:01  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MILLER-5S92W-34

GC Volatiles

Lot-Sample #...: D6H110363-007    Work Order #...: JA7V81AE    Matrix.....: WATER  
Date Sampled...: 08/07/06 11:40    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 13:06  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COULTER-5S92W-34

GC Volatiles

Lot-Sample #....: D6H110363-008    Work Order #....: JA7V91AE    Matrix.....: WATER  
Date Sampled....: 08/07/06 15:15    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:11  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HINKLE-6S92W-4

GC Volatiles

Lot-Sample #...: D6H110363-009    Work Order #...: JA7WA1AE    Matrix.....: WATER  
Date Sampled...: 08/08/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 13:16  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HINKLE-6S92W-4D

GC Volatiles

Lot-Sample #...: D6H110363-010    Work Order #...: JA7WC1AC    Matrix.....: WATER  
Date Sampled...: 08/08/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 13:21  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: OLIVER-5S92W-26

GC Volatiles

Lot-Sample #....: D6H110363-011    Work Order #....: JA7WF1AE    Matrix.....: WATER  
Date Sampled....: 08/08/06 14:30    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:26  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WALTER-6S92W-4

GC Volatiles

Lot-Sample #....: D6H110363-012    Work Order #....: JA7WH1AE    Matrix.....: WATER  
Date Sampled....: 08/08/06 16:30    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:36  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LAYMAN-5S92W-25

GC Volatiles

Lot-Sample #....: D6H110363-013    Work Order #....: JA7WL1AE    Matrix.....: WATER  
Date Sampled....: 08/09/06 10:30    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:41  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GUCINI-6S91W-5

GC Volatiles

Lot-Sample #....: D6H110363-014    Work Order #....: JA7WP1AE    Matrix.....: WATER  
Date Sampled....: 08/07/06 10:50    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:46  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ARMSTRONG-5S91W-30

GC Volatiles

Lot-Sample #....: D6H110363-015    Work Order #....: JA7WQ1AE    Matrix.....: WATER  
Date Sampled....: 08/07/06 17:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:51  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HOLSAN-6S91W-6

GC Volatiles

Lot-Sample #....: D6H110363-016    Work Order #....: JA7WR1AE    Matrix.....: WATER  
Date Sampled....: 08/10/06 10:30    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 13:56  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MOEN-6S92W-6

GC Volatiles

Lot-Sample #....: D6H110363-017    Work Order #....: JA7WT1AE    Matrix.....: WATER  
Date Sampled...: 08/10/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 14:01  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COLLIER-5S91W-4

GC Volatiles

Lot-Sample #...: D6H110363-018    Work Order #...: JA7W21AE    Matrix.....: WATER  
Date Sampled...: 08/10/06 11:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 14:05  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WALKER-5S92W-25

GC Volatiles

Lot-Sample #...: D6H110363-019    Work Order #...: JA7W31AE    Matrix.....: WATER  
Date Sampled...: 08/09/06 18:45    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #...: 6227654    Analysis Time...: 14:10  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO1-6S92W-2

GC Volatiles

Lot-Sample #....: D6H110363-020    Work Order #....: JA7XA1AE    Matrix.....: WATER  
Date Sampled....: 08/09/06 12:15    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 14:15  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SAM-5S91W-31

GC Volatiles

Lot-Sample #....: D6H110363-021    Work Order #....: JA7XC1AE    Matrix.....: WATER  
Date Sampled....: 08/09/06 11:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228564    Analysis Time...: 11:36  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ZAR-6S92W-3

GC Volatiles

Lot-Sample #....: D6H110363-022    Work Order #....: JA7XE1AE    Matrix.....: WATER  
Date Sampled....: 08/09/06 15:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228564    Analysis Time...: 11:41  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO3-6S92W-2

GC Volatiles

Lot-Sample #...: D6H110363-023    Work Order #...: JA7XF1AE    Matrix.....: WATER  
Date Sampled...: 08/09/06 13:16    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #...: 6228564    Analysis Time...: 11:46  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ARMSTRONG-5S91W-30D

GC Volatiles

Lot-Sample #....: D6H110363-025    Work Order #....: JA7XJ1AC    Matrix.....: WATER  
Date Sampled....: 08/07/06 17:00    Date Received...: 08/11/06  
Prep Date.....: 08/14/06    Analysis Date...: 08/14/06  
Prep Batch #....: 6227654    Analysis Time...: 14:20  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COLLER-5S91W-4D

GC Volatiles

Lot-Sample #....: D6H110363-026    Work Order #....: JA7XM1AC    Matrix.....: WATER  
Date Sampled....: 08/10/06 11:00    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228564    Analysis Time...: 11:51  
Dilution Factor: 1  
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WHITT-6S91W-6

GC Volatiles

Lot-Sample #....: D6H110363-001    Work Order #....: JA7VL1AM    Matrix.....: WATER  
Date Sampled....: 08/08/06 10:00    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 11:16  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MELLO-5S92W-26

GC Volatiles

Lot-Sample #....: D6H110363-002    Work Order #....: JA7VQ1AR    Matrix.....: WATER  
Date Sampled....: 08/08/06 17:15    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 13:02  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BECKER-6S91W-6

GC Volatiles

Lot-Sample #....: D6H110363-003    Work Order #....: JA7VT1AR    Matrix.....: WATER  
Date Sampled....: 08/08/06 11:50    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 13:38  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MARTIN-6S91W-5

GC Volatiles

Lot-Sample #...: D6H110363-004    Work Order #...: JA7VW1AR    Matrix.....: WATER  
Date Sampled...: 08/07/06 12:20    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #...: 6228526    Analysis Time...: 14:14  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO2-5S91W-32

GC Volatiles

Lot-Sample #...: D6H110363-005    Work Order #...: JA7V01AR    Matrix.....: WATER  
Date Sampled...: 08/09/06 11:15    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #...: 6228526    Analysis Time...: 14:49  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: D6H110363-006    Work Order #....: JA7V41AA    Matrix.....: WATER  
Date Sampled....: 08/09/06    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 15:25  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MILLER-5S92W-34

GC Volatiles

Lot-Sample #....: D6H110363-007    Work Order #....: JA7V81AR    Matrix.....: WATER  
Date Sampled....: 08/07/06 11:40    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 16:37  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COULTER-5S92W-34

GC Volatiles

Lot-Sample #....: D6H110363-008    Work Order #....: JA7V91AR    Matrix.....: WATER  
Date Sampled....: 08/07/06 15:15    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 17:12  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HINKLE-6S92W-4

GC Volatiles

Lot-Sample #....: D6H110363-009    Work Order #....: JA7WA1AR    Matrix.....: WATER  
Date Sampled....: 08/08/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 17:48  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HINKLE-6S92W-4D

GC Volatiles

Lot-Sample #....: D6H110363-010    Work Order #....: JA7WC1AA    Matrix.....: WATER  
Date Sampled....: 08/08/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 18:24  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: OLIVER-5S92W-26

GC Volatiles

Lot-Sample #....: D6H110363-011    Work Order #....: JA7WF1AR    Matrix.....: WATER  
Date Sampled....: 08/08/06 14:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 18:59  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WALTER-6S92W-4

GC Volatiles

Lot-Sample #....: D6H110363-012    Work Order #....: JA7WH1AR    Matrix.....: WATER  
Date Sampled....: 08/08/06 16:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 19:35  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	93	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: LAYMAN-5S92W-25

GC Volatiles

Lot-Sample #....: D6H110363-013    Work Order #....: JA7WL1AR    Matrix.....: WATER  
Date Sampled....: 08/09/06 10:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 20:11  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GUCINI-6S91W-5

GC Volatiles

Lot-Sample #....: D6H110363-014    Work Order #....: JA7WP1AR    Matrix.....: WATER  
Date Sampled....: 08/07/06 10:50    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 20:46  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	92	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ARMSTRONG-5S91W-30

GC Volatiles

Lot-Sample #....: D6H110363-015    Work Order #....: JA7WQ1AR    Matrix.....: WATER  
Date Sampled....: 08/07/06 17:00    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 21:22  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: HOLSAN-6S91W-6

GC Volatiles

Lot-Sample #....: D6H110363-016    Work Order #....: JA7WR1AR    Matrix.....: WATER  
Date Sampled....: 08/10/06 10:30    Date Received...: 08/11/06  
Prep Date.....: 08/15/06    Analysis Date...: 08/15/06  
Prep Batch #....: 6228526    Analysis Time...: 21:58  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	100	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MOEN-6S92W-6

GC Volatiles

Lot-Sample #....: D6H110363-017    Work Order #....: JA7WT1AR    Matrix.....: WATER  
Date Sampled....: 08/10/06 09:00    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 15:01  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COLLER-5S91W-4

GC Volatiles

Lot-Sample #....: D6H110363-018    Work Order #....: JA7W21AR    Matrix.....: WATER  
Date Sampled....: 08/10/06 11:00    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 16:55  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WALKER-5S92W-25

GC Volatiles

Lot-Sample #....: D6H110363-019    Work Order #....: JA7W31AR    Matrix.....: WATER  
Date Sampled....: 08/09/06 18:45    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 17:33  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO1-6S92W-2

GC Volatiles

Lot-Sample #....: D6H110363-020    Work Order #....: JA7XA1AR    Matrix.....: WATER  
Date Sampled....: 08/09/06 12:15    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 18:11  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SAM-5S91W-31

GC Volatiles

Lot-Sample #....: D6H110363-021    Work Order #....: JA7XC1AR    Matrix.....: WATER  
Date Sampled....: 08/09/06 11:30    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 18:48  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ZAR-6S92W-3

GC Volatiles

Lot-Sample #...: D6H110363-022    Work Order #...: JA7XE1AR    Matrix.....: WATER  
Date Sampled...: 08/09/06 15:30    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #...: 6229351    Analysis Time...: 20:03  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO3-6S92W-2

GC Volatiles

Lot-Sample #....: D6H110363-023    Work Order #....: JA7XF1AR    Matrix.....: WATER  
Date Sampled....: 08/09/06 13:16    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 20:40  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #...: D6H110363-024    Work Order #...: JA7XG1AA    Matrix.....: WATER  
Date Sampled...: 08/11/06 08:00    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #...: 6229351    Analysis Time...: 21:17  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ARMSTRONG-5S91W-30D

GC Volatiles

Lot-Sample #....: D6H110363-025    Work Order #....: JA7XJ1AA    Matrix.....: WATER  
Date Sampled....: 08/07/06 17:00    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 21:54  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COLLER-5S91W-4D

GC Volatiles

Lot-Sample #....: D6H110363-026    Work Order #....: JA7XM1AA    Matrix.....: WATER  
Date Sampled....: 08/10/06 11:00    Date Received...: 08/11/06  
Prep Date.....: 08/16/06    Analysis Date...: 08/16/06  
Prep Batch #....: 6229351    Analysis Time...: 22:31  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WHITT-6S91W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-001**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 10:00 Date Received...: 08/11/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AN
		Dilution Factor: 1		Analysis Time...: 21:56		
Barium	35	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AP
		Dilution Factor: 1		Analysis Time...: 21:56		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AQ
		Dilution Factor: 1		Analysis Time...: 21:56		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AR
		Dilution Factor: 1		Analysis Time...: 21:56		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AT
		Dilution Factor: 1		Analysis Time...: 21:56		
Manganese	15	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AU
		Dilution Factor: 1		Analysis Time...: 21:56		
Selenium	6.7	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VL1AV
		Dilution Factor: 1		Analysis Time...: 21:56		
Prep Batch #...: 6226354						
Calcium	80000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VL1AW
		Dilution Factor: 1		Analysis Time...: 11:12		
Iron	100	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VL1AX
		Dilution Factor: 1		Analysis Time...: 11:12		
Magnesium	32000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VL1A0
		Dilution Factor: 1		Analysis Time...: 18:40		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VL1A1
		Dilution Factor: 1		Analysis Time...: 18:40		
Sodium	120000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VL1A2
		Dilution Factor: 1		Analysis Time...: 18:40		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MELLO-5S92W-26**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-002**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 17:15    Date Received...: 08/11/06**

		REPORTING				PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
Prep Batch #...: 6226335							
Arsenic	ND	5.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1AT
		Dilution Factor: 1		Analysis Time...: 22:00			
Barium	18	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1AU
		Dilution Factor: 1		Analysis Time...: 22:00			
Cadmium	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1AV
		Dilution Factor: 1		Analysis Time...: 22:00			
Chromium	ND	3.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1AW
		Dilution Factor: 1		Analysis Time...: 22:00			
Lead	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1AX
		Dilution Factor: 1		Analysis Time...: 22:00			
Manganese	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1A0
		Dilution Factor: 1		Analysis Time...: 22:00			
Selenium	5.7	5.0	ug/L	MCAWW 200.8		08/15-08/17/06	JA7VQ1A1
		Dilution Factor: 1		Analysis Time...: 22:00			
Prep Batch #...: 6226354							
Calcium	50000 L	200	ug/L	MCAWW 200.7		08/15-08/21/06	JA7VQ1A2
		Dilution Factor: 1		Analysis Time...: 11:32			
Iron	ND	100	ug/L	MCAWW 200.7		08/15-08/21/06	JA7VQ1A3
		Dilution Factor: 1		Analysis Time...: 11:32			
Magnesium	52000	200	ug/L	MCAWW 200.7		08/15-08/18/06	JA7VQ1AA
		Dilution Factor: 1		Analysis Time...: 18:58			
Potassium	6300	3000	ug/L	MCAWW 200.7		08/15-08/18/06	JA7VQ1AC
		Dilution Factor: 1		Analysis Time...: 18:58			
Sodium	110000	5000	ug/L	MCAWW 200.7		08/15-08/18/06	JA7VQ1AD
		Dilution Factor: 1		Analysis Time...: 18:58			

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BECKER-6S91W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-003**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 11:50    Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1AT
		Dilution Factor: 1		Analysis Time...: 22:11		
Barium	20	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1AU
		Dilution Factor: 1		Analysis Time...: 22:11		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1AV
		Dilution Factor: 1		Analysis Time...: 22:11		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1AW
		Dilution Factor: 1		Analysis Time...: 22:11		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1AX
		Dilution Factor: 1		Analysis Time...: 22:11		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1A0
		Dilution Factor: 1		Analysis Time...: 22:11		
Selenium	21	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VT1A1
		Dilution Factor: 1		Analysis Time...: 22:11		
Prep Batch #...: 6226354						
Calcium	43000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VT1A2
		Dilution Factor: 1		Analysis Time...: 11:37		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VT1A3
		Dilution Factor: 1		Analysis Time...: 11:37		
Magnesium	15000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VT1AA
		Dilution Factor: 1		Analysis Time...: 19:03		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VT1AC
		Dilution Factor: 1		Analysis Time...: 19:03		
Sodium	200000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VT1AD
		Dilution Factor: 1		Analysis Time...: 19:03		

**NOTE(S) :**

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: MARTIN-6S91W-5

## TOTAL Metals

Lot-Sample #...: D6H110363-004

Matrix.....: WATER

Date Sampled...: 08/07/06 12:20 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1AT
		Dilution Factor: 1		Analysis Time...: 22:14		
Barium	38	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1AU
		Dilution Factor: 1		Analysis Time...: 22:14		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1AV
		Dilution Factor: 1		Analysis Time...: 22:14		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1AW
		Dilution Factor: 1		Analysis Time...: 22:14		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1AX
		Dilution Factor: 1		Analysis Time...: 22:14		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1A0
		Dilution Factor: 1		Analysis Time...: 22:14		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7VW1A1
		Dilution Factor: 1		Analysis Time...: 22:14		
Prep Batch #...: 6226354						
Calcium	100000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VW1A2
		Dilution Factor: 1		Analysis Time...: 11:42		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7VW1A3
		Dilution Factor: 1		Analysis Time...: 11:42		
Magnesium	21000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VW1AA
		Dilution Factor: 1		Analysis Time...: 19:07		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VW1AC
		Dilution Factor: 1		Analysis Time...: 19:07		
Sodium	29000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7VW1AD
		Dilution Factor: 1		Analysis Time...: 19:07		

## NOTE(S):

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BELLIO2-5S91W-32

TOTAL Metals

Lot-Sample #...: D6H110363-005

Matrix.....: WATER

Date Sampled...: 08/09/06 11:15 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01AT
		Dilution Factor: 1		Analysis Time...: 22:18		
Barium	10	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01AU
		Dilution Factor: 1		Analysis Time...: 22:18		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01AV
		Dilution Factor: 1		Analysis Time...: 22:18		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01AW
		Dilution Factor: 1		Analysis Time...: 22:18		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01AX
		Dilution Factor: 1		Analysis Time...: 22:18		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01A0
		Dilution Factor: 1		Analysis Time...: 22:18		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V01A1
		Dilution Factor: 1		Analysis Time...: 22:18		
Prep Batch #...: 6226354						
Calcium	67000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V01A2
		Dilution Factor: 1		Analysis Time...: 11:47		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V01A3
		Dilution Factor: 1		Analysis Time...: 11:47		
Magnesium	46000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V01AA
		Dilution Factor: 1		Analysis Time...: 19:25		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V01AC
		Dilution Factor: 1		Analysis Time...: 19:25		
Sodium	190000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V01AD
		Dilution Factor: 1		Analysis Time...: 19:25		

NOTE(S) :

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: MILLER-5S92W-34

## TOTAL Metals

Lot-Sample #...: D6H110363-007

Matrix.....: WATER

Date Sampled...: 08/07/06 11:40 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	8.2	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81AT
		Dilution Factor: 1		Analysis Time...: 22:43		
Barium	14	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81AU
		Dilution Factor: 1		Analysis Time...: 22:43		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81AV
		Dilution Factor: 1		Analysis Time...: 22:43		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81AW
		Dilution Factor: 1		Analysis Time...: 22:43		
Lead	1.0	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81AX
		Dilution Factor: 1		Analysis Time...: 22:43		
Manganese	5.3	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81A0
		Dilution Factor: 1		Analysis Time...: 22:43		
Selenium	120	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V81A1
		Dilution Factor: 1		Analysis Time...: 22:43		
Prep Batch #...: 6226354						
Calcium	250000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V81A2
		Dilution Factor: 1		Analysis Time...: 12:02		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V81A3
		Dilution Factor: 1		Analysis Time...: 12:02		
Magnesium	47000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V81AA
		Dilution Factor: 1		Analysis Time...: 19:30		
Potassium	6100	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V81AC
		Dilution Factor: 1		Analysis Time...: 19:30		
Sodium	1500000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V81AD
		Dilution Factor: 1		Analysis Time...: 19:30		

## NOTE(S) :

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: COULTER-5S92W-34

## TOTAL Metals

Lot-Sample #...: D6H110363-008

Matrix.....: WATER

Date Sampled...: 08/07/06 15:15 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91AT
		Dilution Factor: 1		Analysis Time...: 22:47		
Barium	14	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91AU
		Dilution Factor: 1		Analysis Time...: 22:47		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91AV
		Dilution Factor: 1		Analysis Time...: 22:47		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91AW
		Dilution Factor: 1		Analysis Time...: 22:47		
Lead	1.2	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91AX
		Dilution Factor: 1		Analysis Time...: 22:47		
Manganese	1.6	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91A0
		Dilution Factor: 1		Analysis Time...: 22:47		
Selenium	20	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7V91A1
		Dilution Factor: 1		Analysis Time...: 22:47		
Prep Batch #...: 6226354						
Calcium	97000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V91A2
		Dilution Factor: 1		Analysis Time...: 12:07		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7V91A3
		Dilution Factor: 1		Analysis Time...: 12:07		
Magnesium	86000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V91AA
		Dilution Factor: 1		Analysis Time...: 19:34		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V91AC
		Dilution Factor: 1		Analysis Time...: 19:34		
Sodium	310000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7V91AD
		Dilution Factor: 1		Analysis Time...: 19:34		

## NOTE(S):

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: HINKLE-6S92W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-009**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 09:00 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1AT
		Dilution Factor: 1		Analysis Time...: 22:51		
Barium	17	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1AU
		Dilution Factor: 1		Analysis Time...: 22:51		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1AV
		Dilution Factor: 1		Analysis Time...: 22:51		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1AW
		Dilution Factor: 1		Analysis Time...: 22:51		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1AX
		Dilution Factor: 1		Analysis Time...: 22:51		
Manganese	3.0	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1A0
		Dilution Factor: 1		Analysis Time...: 22:51		
Selenium	6.3	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WA1A1
		Dilution Factor: 1		Analysis Time...: 22:51		
Prep Batch #...: 6226354						
Calcium	90000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WA1A2
		Dilution Factor: 1		Analysis Time...: 12:11		
Iron	900	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WA1A3
		Dilution Factor: 1		Analysis Time...: 12:11		
Magnesium	59000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WA1AA
		Dilution Factor: 1		Analysis Time...: 19:39		
Potassium	4100	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WA1AC
		Dilution Factor: 1		Analysis Time...: 19:39		
Sodium	170000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WA1AD
		Dilution Factor: 1		Analysis Time...: 19:39		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: OLIVER-5S92W-26**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-011**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 14:30 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1AT
		Dilution Factor: 1		Analysis Time...: 22:54		
Barium	20	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1AU
		Dilution Factor: 1		Analysis Time...: 22:54		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1AV
		Dilution Factor: 1		Analysis Time...: 22:54		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1AW
		Dilution Factor: 1		Analysis Time...: 22:54		
Lead	1.1	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1AX
		Dilution Factor: 1		Analysis Time...: 22:54		
Manganese	2.2	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1A0
		Dilution Factor: 1		Analysis Time...: 22:54		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WF1A1
		Dilution Factor: 1		Analysis Time...: 22:54		
Prep Batch #...: 6226354						
Calcium	61000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WF1A2
		Dilution Factor: 1		Analysis Time...: 12:16		
Iron	230	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WF1A3
		Dilution Factor: 1		Analysis Time...: 12:16		
Magnesium	58000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WF1AA
		Dilution Factor: 1		Analysis Time...: 19:43		
Potassium	5400	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WF1AC
		Dilution Factor: 1		Analysis Time...: 19:43		
Sodium	34000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WF1AD
		Dilution Factor: 1		Analysis Time...: 19:43		

**NOTE (S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WALTER-6S92W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-012**

**Matrix.....: WATER**

**Date Sampled...: 08/08/06 16:30    Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1AT
		Dilution Factor: 1		Analysis Time...: 22:58		
Barium	12	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1AU
		Dilution Factor: 1		Analysis Time...: 22:58		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1AV
		Dilution Factor: 1		Analysis Time...: 22:58		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1AW
		Dilution Factor: 1		Analysis Time...: 22:58		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1AX
		Dilution Factor: 1		Analysis Time...: 22:58		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1A0
		Dilution Factor: 1		Analysis Time...: 22:58		
Selenium	6.9	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WH1A1
		Dilution Factor: 1		Analysis Time...: 22:58		
Prep Batch #...: 6226354						
Calcium	110000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WH1A2
		Dilution Factor: 1		Analysis Time...: 12:21		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WH1A3
		Dilution Factor: 1		Analysis Time...: 12:21		
Magnesium	66000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WH1AA
		Dilution Factor: 1		Analysis Time...: 19:48		
Potassium	3400	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WH1AC
		Dilution Factor: 1		Analysis Time...: 19:48		
Sodium	170000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WH1AD
		Dilution Factor: 1		Analysis Time...: 19:48		

**NOTE(S) :**

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: LAYMAN-5S92W-25

## TOTAL Metals

Lot-Sample #...: D6H110363-013

Matrix.....: WATER

Date Sampled...: 08/09/06 10:30 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1AT
		Dilution Factor: 1		Analysis Time...: 23:01		
Barium	42	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1AU
		Dilution Factor: 1		Analysis Time...: 23:01		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1AV
		Dilution Factor: 1		Analysis Time...: 23:01		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1AW
		Dilution Factor: 1		Analysis Time...: 23:01		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1AX
		Dilution Factor: 1		Analysis Time...: 23:01		
Manganese	8.7	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1A0
		Dilution Factor: 1		Analysis Time...: 23:01		
Selenium	27	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WL1A1
		Dilution Factor: 1		Analysis Time...: 23:01		
Prep Batch #...: 6226354						
Calcium	150000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WL1A2
		Dilution Factor: 1		Analysis Time...: 12:26		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WL1A3
		Dilution Factor: 1		Analysis Time...: 12:26		
Magnesium	67000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WL1AA
		Dilution Factor: 1		Analysis Time...: 19:53		
Potassium	4100	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WL1AC
		Dilution Factor: 1		Analysis Time...: 19:53		
Sodium	290000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WL1AD
		Dilution Factor: 1		Analysis Time...: 19:53		

## NOTE(S) :

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: GUCINI-6S91W-5

## TOTAL Metals

Lot-Sample #...: D6H110363-014

Matrix.....: WATER

Date Sampled...: 08/07/06 10:50 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1AT
		Dilution Factor: 1		Analysis Time...: 23:05		
Barium	32	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1AU
		Dilution Factor: 1		Analysis Time...: 23:05		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1AV
		Dilution Factor: 1		Analysis Time...: 23:05		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1AW
		Dilution Factor: 1		Analysis Time...: 23:05		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1AX
		Dilution Factor: 1		Analysis Time...: 23:05		
Manganese	41	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1A0
		Dilution Factor: 1		Analysis Time...: 23:05		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WP1A1
		Dilution Factor: 1		Analysis Time...: 23:05		
Prep Batch #...: 6226354						
Calcium	77000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WP1A2
		Dilution Factor: 1		Analysis Time...: 12:31		
Iron	110	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WP1A3
		Dilution Factor: 1		Analysis Time...: 12:31		
Magnesium	17000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WP1AA
		Dilution Factor: 1		Analysis Time...: 19:57		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WP1AC
		Dilution Factor: 1		Analysis Time...: 19:57		
Sodium	57000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WP1AD
		Dilution Factor: 1		Analysis Time...: 19:57		

**NOTE(S):**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ARMSTRONG-5S91W-30**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-015**

**Matrix.....: WATER**

**Date Sampled...: 08/07/06 17:00 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1AT
		Dilution Factor: 1		Analysis Time...: 23:09		
Barium	24	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1AU
		Dilution Factor: 1		Analysis Time...: 23:09		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1AV
		Dilution Factor: 1		Analysis Time...: 23:09		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1AW
		Dilution Factor: 1		Analysis Time...: 23:09		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1AX
		Dilution Factor: 1		Analysis Time...: 23:09		
Manganese	6.1	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1A0
		Dilution Factor: 1		Analysis Time...: 23:09		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WQ1A1
		Dilution Factor: 1		Analysis Time...: 23:09		
Prep Batch #...: 6226354						
Calcium	19000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WQ1A2
		Dilution Factor: 1		Analysis Time...: 12:36		
Iron	210	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WQ1A3
		Dilution Factor: 1		Analysis Time...: 12:36		
Magnesium	2400	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WQ1AA
		Dilution Factor: 1		Analysis Time...: 20:02		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WQ1AC
		Dilution Factor: 1		Analysis Time...: 20:02		
Sodium	170000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WQ1AD
		Dilution Factor: 1		Analysis Time...: 20:02		

**NOTE(S) :**

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: HOLSAN-6S91W-6

## TOTAL Metals

Lot-Sample #...: D6H110363-016

Matrix.....: WATER

Date Sampled...: 08/10/06 10:30 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1AT
		Dilution Factor: 1		Analysis Time...: 23:20		
Barium	29	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1AU
		Dilution Factor: 1		Analysis Time...: 23:20		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1AV
		Dilution Factor: 1		Analysis Time...: 23:20		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1AW
		Dilution Factor: 1		Analysis Time...: 23:20		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1AX
		Dilution Factor: 1		Analysis Time...: 23:20		
Manganese	85	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1A0
		Dilution Factor: 1		Analysis Time...: 23:20		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WR1A1
		Dilution Factor: 1		Analysis Time...: 23:20		
Prep Batch #...: 6226354						
Calcium	19000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WR1A2
		Dilution Factor: 1		Analysis Time...: 12:41		
Iron	150	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WR1A3
		Dilution Factor: 1		Analysis Time...: 12:41		
Magnesium	1300	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WR1AA
		Dilution Factor: 1		Analysis Time...: 20:20		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WR1AC
		Dilution Factor: 1		Analysis Time...: 20:20		
Sodium	270000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WR1AD
		Dilution Factor: 1		Analysis Time...: 20:20		

## NOTE(S) :

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MOEN-6S92W-6**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-017**

**Matrix.....: WATER**

**Date Sampled...: 08/10/06 09:00 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1AT
		Dilution Factor: 1		Analysis Time...: 23:23		
Barium	14	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1AU
		Dilution Factor: 1		Analysis Time...: 23:23		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1AV
		Dilution Factor: 1		Analysis Time...: 23:23		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1AW
		Dilution Factor: 1		Analysis Time...: 23:23		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1AX
		Dilution Factor: 1		Analysis Time...: 23:23		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1A0
		Dilution Factor: 1		Analysis Time...: 23:23		
Selenium	100	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7WT1A1
		Dilution Factor: 1		Analysis Time...: 23:23		
Prep Batch #...: 6226354						
Calcium	42000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WT1A2
		Dilution Factor: 1		Analysis Time...: 12:47		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7WT1A3
		Dilution Factor: 1		Analysis Time...: 12:47		
Magnesium	33000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WT1AA
		Dilution Factor: 1		Analysis Time...: 20:24		
Potassium	4800	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WT1AC
		Dilution Factor: 1		Analysis Time...: 20:24		
Sodium	570000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7WT1AD
		Dilution Factor: 1		Analysis Time...: 20:24		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: COLLER-5S91W-4**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-018**

**Matrix.....: WATER**

**Date Sampled...: 08/10/06 11:00 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21AT
		Dilution Factor: 1		Analysis Time...: 23:27		
Barium	79	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21AU
		Dilution Factor: 1		Analysis Time...: 23:27		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21AV
		Dilution Factor: 1		Analysis Time...: 23:27		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21AW
		Dilution Factor: 1		Analysis Time...: 23:27		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21AX
		Dilution Factor: 1		Analysis Time...: 23:27		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21A0
		Dilution Factor: 1		Analysis Time...: 23:27		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W21A1
		Dilution Factor: 1		Analysis Time...: 23:27		
Prep Batch #...: 6226354						
Calcium	90000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7W21A2
		Dilution Factor: 1		Analysis Time...: 13:01		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7W21A3
		Dilution Factor: 1		Analysis Time...: 13:01		
Magnesium	30000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W21AA
		Dilution Factor: 1		Analysis Time...: 20:29		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W21AC
		Dilution Factor: 1		Analysis Time...: 20:29		
Sodium	10000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W21AD
		Dilution Factor: 1		Analysis Time...: 20:29		

**NOTE(S) :**

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: WALKER-5S92W-25

## TOTAL Metals

Lot-Sample #...: D6H110363-019

Matrix.....: WATER

Date Sampled...: 08/09/06 18:45 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31AT
		Dilution Factor: 1		Analysis Time...: 23:34		
Barium	15	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31AU
		Dilution Factor: 1		Analysis Time...: 23:34		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31AV
		Dilution Factor: 1		Analysis Time...: 23:34		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31AW
		Dilution Factor: 1		Analysis Time...: 23:34		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31AX
		Dilution Factor: 1		Analysis Time...: 23:34		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31A0
		Dilution Factor: 1		Analysis Time...: 23:34		
Selenium	16	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7W31A1
		Dilution Factor: 1		Analysis Time...: 23:34		
Prep Batch #...: 6226354						
Calcium	38000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7W31A2
		Dilution Factor: 1		Analysis Time...: 13:06		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7W31A3
		Dilution Factor: 1		Analysis Time...: 13:06		
Magnesium	17000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W31AA
		Dilution Factor: 1		Analysis Time...: 20:34		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W31AC
		Dilution Factor: 1		Analysis Time...: 20:34		
Sodium	180000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7W31AD
		Dilution Factor: 1		Analysis Time...: 20:34		

## NOTE(S):

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: BELLIO1-6S92W-2

## TOTAL Metals

Lot-Sample #...: D6H110363-020

Matrix.....: WATER

Date Sampled...: 08/09/06 12:15 Date Received...: 08/11/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1AT
		Dilution Factor: 1		Analysis Time...: 23:31		
Barium	11	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1AU
		Dilution Factor: 1		Analysis Time...: 23:31		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1AV
		Dilution Factor: 1		Analysis Time...: 23:31		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1AW
		Dilution Factor: 1		Analysis Time...: 23:31		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1AX
		Dilution Factor: 1		Analysis Time...: 23:31		
Manganese	1.9	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1A0
		Dilution Factor: 1		Analysis Time...: 23:31		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XA1A1
		Dilution Factor: 1		Analysis Time...: 23:31		
Prep Batch #...: 6226354						
Calcium	100000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XA1A2
		Dilution Factor: 1		Analysis Time...: 13:11		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XA1A3
		Dilution Factor: 1		Analysis Time...: 13:11		
Magnesium	76000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XA1AA
		Dilution Factor: 1		Analysis Time...: 20:38		
Potassium	3400	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XA1AC
		Dilution Factor: 1		Analysis Time...: 20:38		
Sodium	230000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XA1AD
		Dilution Factor: 1		Analysis Time...: 20:38		

## NOTE(S) :

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SAM-5S91W-31**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-021**

**Matrix.....: WATER**

**Date Sampled...: 08/09/06 11:30 Date Received...: 08/11/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1AT
		Dilution Factor: 1		Analysis Time...: 23:38		
Barium	13	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1AU
		Dilution Factor: 1		Analysis Time...: 23:38		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1AV
		Dilution Factor: 1		Analysis Time...: 23:38		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1AW
		Dilution Factor: 1		Analysis Time...: 23:38		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1AX
		Dilution Factor: 1		Analysis Time...: 23:38		
Manganese	2.1	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1A0
		Dilution Factor: 1		Analysis Time...: 23:38		
Selenium	22	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XC1A1
		Dilution Factor: 1		Analysis Time...: 23:38		
Prep Batch #...: 6226354						
Calcium	28000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XC1A2
		Dilution Factor: 1		Analysis Time...: 13:16		
Iron	160	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XC1A3
		Dilution Factor: 1		Analysis Time...: 13:16		
Magnesium	10000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XC1AA
		Dilution Factor: 1		Analysis Time...: 20:43		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XC1AC
		Dilution Factor: 1		Analysis Time...: 20:43		
Sodium	340000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XC1AD
		Dilution Factor: 1		Analysis Time...: 20:43		

**NOTE(S) :**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ZAR-6S92W-3**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-022**

**Matrix.....: WATER**

**Date Sampled...: 08/09/06 15:30 Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226335						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1AT
		Dilution Factor: 1		Analysis Time...: 23:41		
Barium	9.4	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1AU
		Dilution Factor: 1		Analysis Time...: 23:41		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1AV
		Dilution Factor: 1		Analysis Time...: 23:41		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1AW
		Dilution Factor: 1		Analysis Time...: 23:41		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1AX
		Dilution Factor: 1		Analysis Time...: 23:41		
Manganese	1.8	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1A0
		Dilution Factor: 1		Analysis Time...: 23:41		
Selenium	5.9	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XE1A1
		Dilution Factor: 1		Analysis Time...: 23:41		
Prep Batch #...: 6226354						
Calcium	100000 L	200	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XE1A2
		Dilution Factor: 1		Analysis Time...: 13:21		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JA7XE1A3
		Dilution Factor: 1		Analysis Time...: 13:21		
Magnesium	62000	200	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XE1AA
		Dilution Factor: 1		Analysis Time...: 20:47		
Potassium	3100	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XE1AC
		Dilution Factor: 1		Analysis Time...: 20:47		
Sodium	180000	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JA7XE1AD
		Dilution Factor: 1		Analysis Time...: 20:47		

**NOTE(S):**

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BELLIO3-6S92W-2**

**TOTAL Metals**

**Lot-Sample #...: D6H110363-023**

**Matrix.....: WATER**

**Date Sampled...: 08/09/06 13:16    Date Received...: 08/11/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6226336						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1AT
		Dilution Factor: 1		Analysis Time...: 19:29		
Barium	11	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1AU
		Dilution Factor: 1		Analysis Time...: 19:29		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1AV
		Dilution Factor: 1		Analysis Time...: 19:29		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1AW
		Dilution Factor: 1		Analysis Time...: 19:29		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1AX
		Dilution Factor: 1		Analysis Time...: 19:29		
Manganese	1.4	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1A0
		Dilution Factor: 1		Analysis Time...: 19:29		
Selenium	12	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JA7XF1A1
		Dilution Factor: 1		Analysis Time...: 19:29		
Prep Batch #...: 6226355						
Calcium	100000	200	ug/L	MCAWW 200.7	08/15-08/16/06	JA7XF1A2
		Dilution Factor: 1		Analysis Time...: 21:07		
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/16/06	JA7XF1A3
		Dilution Factor: 1		Analysis Time...: 21:07		
Magnesium	100000	200	ug/L	MCAWW 200.7	08/15-08/16/06	JA7XF1AA
		Dilution Factor: 1		Analysis Time...: 21:07		
Potassium	3600	3000	ug/L	MCAWW 200.7	08/15-08/16/06	JA7XF1AC
		Dilution Factor: 1		Analysis Time...: 21:07		
Sodium	95000	5000	ug/L	MCAWW 200.7	08/15-08/16/06	JA7XF1AD
		Dilution Factor: 1		Analysis Time...: 21:07		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WHITT-6S91W-6**

**General Chemistry**

Lot-Sample #....: D6H110363-001    Work Order #....: JA7VL    Matrix.....: WATER  
 Date Sampled...: 08/08/06 10:00    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 18:59		
Bicarbonate, as CaCO <sub>3</sub>	420	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11/06	6227302
		Dilution Factor: 1		Analysis Time...: 23:06		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	26	3.0	mg/L	MCAWW 300.0A	08/11/06	6227297
		Dilution Factor: 1		Analysis Time...: 23:06		
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A	08/11/06	6227298
		Dilution Factor: 1		Analysis Time...: 23:06		
Nitrate	0.60	0.50	mg/L	MCAWW 300.0A	08/11/06	6227299
		Dilution Factor: 1		Analysis Time...: 23:06		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11/06	6227300
		Dilution Factor: 1		Analysis Time...: 23:06		
Sulfate	130 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 09:25		
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MELLO-5S92W-26

General Chemistry

Lot-Sample #...: D6H110363-002    Work Order #...: JA7VQ    Matrix.....: WATER  
Date Sampled...: 08/08/06 17:15    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 19:02		
Bicarbonate, as CaCO <sub>3</sub>	340	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11/06	6227302
		Dilution Factor: 1		Analysis Time...: 23:56		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	11	3.0	mg/L	MCAWW 300.0A	08/11/06	6227297
		Dilution Factor: 1		Analysis Time...: 23:56		
Fluoride	0.83	0.50	mg/L	MCAWW 300.0A	08/11/06	6227298
		Dilution Factor: 1		Analysis Time...: 23:56		
Nitrate	8.3	0.50	mg/L	MCAWW 300.0A	08/11/06	6227299
		Dilution Factor: 1		Analysis Time...: 23:56		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11/06	6227300
		Dilution Factor: 1		Analysis Time...: 23:56		
Sulfate	180 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 10:15		
Total Dissolved Solids	680	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BECKER-6S91W-6

General Chemistry

Lot-Sample #....: D6H110363-003      Work Order #....: JA7VT      Matrix.....: WATER  
Date Sampled....: 08/08/06 11:50      Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 19:37		
Bicarbonate, as CaCO <sub>3</sub>	450	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 00:13		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	9.5	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 00:13		
Fluoride	1.4	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 00:13		
Nitrate	0.70	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 00:13		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 00:13		
Sulfate	110 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 10:31		
Total Dissolved Solids	680	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE (S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MARTIN-6S91W-5**

**General Chemistry**

**Lot-Sample #...**: D6H110363-004    **Work Order #...**: JA7VW    **Matrix.....**: WATER  
**Date Sampled...**: 08/07/06 12:20    **Date Received...**: 08/11/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 19:37		
Bicarbonate, as CaCO <sub>3</sub>	340	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 00:30		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	7.8	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 00:30		
Fluoride	0.65	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 00:30		
Nitrate	1.1	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 00:30		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 00:30		
Sulfate	51 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 10:48		
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BELLIO2-5S91W-32**

**General Chemistry**

**Lot-Sample #...** D6H110363-005    **Work Order #...** JA7V0    **Matrix.....** WATER  
**Date Sampled...** 08/09/06 11:15    **Date Received...** 08/11/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.5	0.10	No Units	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 19:42		
Bicarbonate, as CaCO <sub>3</sub>	500	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 00:46		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	10	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 00:46		
Fluoride	0.84	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 00:46		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 00:46		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 00:46		
Sulfate	260 Q	50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 10		Analysis Time...: 11:05		
Total Dissolved Solids	910	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MILLER-5S92W-34**

**General Chemistry**

**Lot-Sample #...: D6H110363-007    Work Order #...: JA7V8    Matrix.....: WATER**  
**Date Sampled...: 08/07/06 11:40    Date Received...: 08/11/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
<b>pH</b>	<b>7.5</b>	<b>0.10</b>	<b>No Units</b>	<b>MCAWW 150.1</b>	<b>08/11/06</b>	<b>6223573</b>
		Dilution Factor: 1		Analysis Time...: 19:43		
<b>Bicarbonate, as CaCO<sub>3</sub></b>	<b>290</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/18/06</b>	<b>6233129</b>
		Dilution Factor: 1		Analysis Time...: 08:30		
<b>Bromide</b>	<b>2.5 G</b>	<b>0.40</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227302</b>
		Dilution Factor: 2		Analysis Time...: 01:36		
<b>Carbonate, as CaCO<sub>3</sub></b>	<b>ND</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/18/06</b>	<b>6233131</b>
		Dilution Factor: 1		Analysis Time...: 08:30		
<b>Chloride</b>	<b>780 Q</b>	<b>150</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227297</b>
		Dilution Factor: 50		Analysis Time...: 11:21		
<b>Fluoride</b>	<b>ND G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227298</b>
		Dilution Factor: 2		Analysis Time...: 01:36		
<b>Nitrate</b>	<b>5.4 G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227299</b>
		Dilution Factor: 2		Analysis Time...: 01:36		
<b>Nitrite</b>	<b>ND G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227300</b>
		Dilution Factor: 2		Analysis Time...: 01:36		
<b>Sulfate</b>	<b>2700 Q</b>	<b>500</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227301</b>
		Dilution Factor: 100		Analysis Time...: 21:21		
<b>Total Dissolved Solids</b>	<b>5500 Q</b>	<b>20</b>	<b>mg/L</b>	<b>MCAWW 160.1</b>	<b>08/14/06</b>	<b>6226395</b>
		Dilution Factor: 2		Analysis Time...: 11:00		

**NOTE (S) :**

RL Reporting Limit

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

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: COULTER-5S92W-34

## General Chemistry

Lot-Sample #...: D6H110363-008    Work Order #...: JA7V9    Matrix.....: WATER  
 Date Sampled...: 08/07/06 15:15    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:44		
Bicarbonate, as CaCO <sub>3</sub>	410	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	0.30	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 01:53		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	160 Q	60	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 20		Analysis Time...: 16:54		
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 01:53		
Nitrate	1.9	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 01:53		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 01:53		
Sulfate	630 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 20		Analysis Time...: 16:54		
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: HINKLE-6S92W-4

## General Chemistry

Lot-Sample #...: D6H110363-009    Work Order #...: JA7WA    Matrix.....: WATER  
 Date Sampled...: 08/08/06 09:00    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:45		
Bicarbonate, as CaCO <sub>3</sub>	400	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 02:09		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	51 Q	6.0	mg/L	MCAWW 300.0A	08/15/06	6228062
		Dilution Factor: 2		Analysis Time...: 18:43		
Fluoride	0.50	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 02:09		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 02:09		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 02:09		
Sulfate	300 Q	50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 10		Analysis Time...: 17:11		
Total Dissolved Solids	970	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: OLIVER-5S92W-26

General Chemistry

Lot-Sample #...: D6H110363-011    Work Order #...: JA7WF    Matrix.....: WATER  
Date Sampled...: 08/08/06 14:30    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:49		
Bicarbonate, as CaCO <sub>3</sub>	290	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 02:26		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	9.4	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 02:26		
Fluoride	0.55	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 02:26		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 02:26		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 02:26		
Sulfate	150 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 17:28		
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WALTER-6S92W-4**

**General Chemistry**

**Lot-Sample #...** D6H110363-012    **Work Order #...** JA7WH    **Matrix.....** WATER  
**Date Sampled...** 08/08/06 16:30    **Date Received...** 08/11/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:40		
Bicarbonate, as CaCO <sub>3</sub>	430	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 02:43		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	32	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 02:43		
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 02:43		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 02:43		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 02:43		
Sulfate	380 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 20		Analysis Time...: 17:44		
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: LAYMAN-5S92W-25**

**General Chemistry**

**Lot-Sample #...: D6H110363-013    Work Order #...: JA7WL    Matrix.....: WATER**  
**Date Sampled...: 08/09/06 10:30    Date Received...: 08/11/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/11/06	6223573
			Dilution Factor: 1	Analysis Time...: 19:11		
Bicarbonate, as CaCO <sub>3</sub>	450	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
			Dilution Factor: 1	Analysis Time...: 08:30		
Bromide	0.61	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
			Dilution Factor: 1	Analysis Time...: 02:59		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
			Dilution Factor: 1	Analysis Time...: 08:30		
Chloride	250 Q	60	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
			Dilution Factor: 20	Analysis Time...: 18:01		
Fluoride	0.92	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
			Dilution Factor: 1	Analysis Time...: 02:59		
Nitrate	22	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
			Dilution Factor: 1	Analysis Time...: 02:59		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
			Dilution Factor: 1	Analysis Time...: 02:59		
Sulfate	790 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
			Dilution Factor: 20	Analysis Time...: 18:01		
Total Dissolved Solids	1600	10	mg/L	MCAWW 160.1	08/14/06	6226395
			Dilution Factor: 1	Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GUCINI-6S91W-5**

**General Chemistry**

**Lot-Sample #...: D6H110363-014    Work Order #...: JA7WP    Matrix.....: WATER**  
**Date Sampled...: 08/07/06 10:50    Date Received...: 08/11/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.5	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:13		
Bicarbonate, as CaCO <sub>3</sub>		5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 03:16		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	3.8	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 03:16		
Fluoride	0.59	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 03:16		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 03:16		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 03:16		
Sulfate	74 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 18:18		
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ARMSTRONG-5S91W-30

General Chemistry

Lot-Sample #...: D6H110363-015    Work Order #...: JA7WQ    Matrix.....: WATER  
Date Sampled...: 08/07/06 17:00    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.8	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:15		
Bicarbonate, as CaCO <sub>3</sub>	260	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 03:33		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	6.3	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 03:33		
Fluoride	1.1	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 03:33		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 03:33		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 03:33		
Sulfate	130 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 18:34		
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: HOLSAN-6S91W-6**

**General Chemistry**

**Lot-Sample #...** D6H110363-016    **Work Order #...** JA7WR    **Matrix.....** WATER  
**Date Sampled...** 08/10/06 10:30    **Date Received...** 08/11/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.9	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:19		
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 03:49		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	70 Q	15	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 5		Analysis Time...: 18:51		
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 03:49		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 03:49		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 03:49		
Sulfate	130 Q	25	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 5		Analysis Time...: 18:51		
Total Dissolved Solids	730	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: MOEN-6S92W-6

## General Chemistry

Lot-Sample #....: D6H110363-017      Work Order #....: JA7WT      Matrix.....: WATER  
 Date Sampled....: 08/10/06 09:00      Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.9	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:20		
Bicarbonate, as CaCO <sub>3</sub>	450	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	0.58	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 04:06		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	210 Q	60	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 20		Analysis Time...: 19:08		
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 04:06		
Nitrate	8.6	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 04:06		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 04:06		
Sulfate	690 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 20		Analysis Time...: 19:08		
Total Dissolved Solids	1800	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COLLER-5S91W-4

General Chemistry

Lot-Sample #...: D6H110363-018    Work Order #...: JA7W2    Matrix.....: WATER  
Date Sampled...: 08/10/06 11:00    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:25		
Bicarbonate, as CaCO <sub>3</sub>	320	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 04:56		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	3.0	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 04:56		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 04:56		
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 04:56		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 04:56		
Sulfate	29	5.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 1		Analysis Time...: 04:56		
Total Dissolved Solids	400	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WALKER-5S92W-25**

**General Chemistry**

**Lot-Sample #...** D6H110363-019    **Work Order #...** JA7W3    **Matrix.....** WATER  
**Date Sampled...** 08/09/06 18:45    **Date Received...** 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.8	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:35		
Bicarbonate, as CaCO <sub>3</sub>	340	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 05:13		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	14	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 05:13		
Fluoride	1.5	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 05:13		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 05:13		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 05:13		
Sulfate	180 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 20		Analysis Time...: 19:24		
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: BELLIO1-6S92W-2

## General Chemistry

Lot-Sample #...: D6H110363-020    Work Order #...: JA7XA    Matrix.....: WATER  
 Date Sampled...: 08/09/06 12:15    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:31		
Bicarbonate, as CaCO <sub>3</sub>	550	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 05:29		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	21	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 05:29		
Fluoride	0.95	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227298
		Dilution Factor: 1		Analysis Time...: 05:29		
Nitrate	2.7	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227299
		Dilution Factor: 1		Analysis Time...: 05:29		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227300
		Dilution Factor: 1		Analysis Time...: 05:29		
Sulfate	410 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 20		Analysis Time...: 20:14		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SAM-5S91W-31

General Chemistry

Lot-Sample #...: D6H110363-021    Work Order #...: JA7XC    Matrix.....: WATER  
Date Sampled...: 08/09/06 11:30    Date Received...: 08/11/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.9	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:30		
Bicarbonate, as CaCO <sub>3</sub>	420	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227309
		Dilution Factor: 1		Analysis Time...: 05:46		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	22	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227304
		Dilution Factor: 1		Analysis Time...: 05:46		
Fluoride	1.1	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227305
		Dilution Factor: 1		Analysis Time...: 05:46		
Nitrate	0.92	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227306
		Dilution Factor: 1		Analysis Time...: 05:46		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227307
		Dilution Factor: 1		Analysis Time...: 05:46		
Sulfate	370 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227308
		Dilution Factor: 20		Analysis Time...: 20:31		
Total Dissolved Solids	980	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

NOTE(S) :

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ZAR-6S92W-3**

**General Chemistry**

**Lot-Sample #...** D6H110363-022    **Work Order #...** JA7XE    **Matrix.....** WATER  
**Date Sampled...** 08/09/06 15:30    **Date Received...** 08/11/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.4	0.10	No Units	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:23		
Bicarbonate, as CaCO <sub>3</sub>	440	5.0	mg/L	MCAWW 310.1	08/18/06	6233129
		Dilution Factor: 1		Analysis Time...: 08:30		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/11-08/12/06	6227309
		Dilution Factor: 1		Analysis Time...: 06:03		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/18/06	6233131
		Dilution Factor: 1		Analysis Time...: 08:30		
Chloride	30	3.0	mg/L	MCAWW 300.0A	08/11-08/12/06	6227304
		Dilution Factor: 1		Analysis Time...: 06:03		
Fluoride	0.54	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227305
		Dilution Factor: 1		Analysis Time...: 06:03		
Nitrate	0.96	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227306
		Dilution Factor: 1		Analysis Time...: 06:03		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/11-08/12/06	6227307
		Dilution Factor: 1		Analysis Time...: 06:03		
Sulfate	360 Q	100	mg/L	MCAWW 300.0A	08/11-08/12/06	6227308
		Dilution Factor: 20		Analysis Time...: 20:47		
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BELLIO3-6S92W-2**

**General Chemistry**

**Lot-Sample #....: D6H110363-023    Work Order #....: JA7XF    Matrix.....: WATER**  
**Date Sampled....: 08/09/06 13:16    Date Received...: 08/11/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
<b>pH</b>	<b>7.3</b>	<b>0.10</b>	<b>No Units</b>	<b>MCAWW 150.1</b>	<b>08/11/06</b>	<b>6223573</b>
		Dilution Factor: 1		Analysis Time...: 19:27		
<b>Bicarbonate, as CaCO<sub>3</sub></b>	<b>510</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/18/06</b>	<b>6233130</b>
		Dilution Factor: 1		Analysis Time...: 08:30		
<b>Bromide</b>	<b>ND</b>	<b>0.20</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227309</b>
		Dilution Factor: 1		Analysis Time...: 06:19		
<b>Carbonate, as CaCO<sub>3</sub></b>	<b>ND</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/18/06</b>	<b>6233132</b>
		Dilution Factor: 1		Analysis Time...: 08:30		
<b>Chloride</b>	<b>7.8</b>	<b>3.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227304</b>
		Dilution Factor: 1		Analysis Time...: 06:19		
<b>Fluoride</b>	<b>0.60</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227305</b>
		Dilution Factor: 1		Analysis Time...: 06:19		
<b>Nitrate</b>	<b>ND</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227306</b>
		Dilution Factor: 1		Analysis Time...: 06:19		
<b>Nitrite</b>	<b>ND</b>	<b>0.50</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227307</b>
		Dilution Factor: 1		Analysis Time...: 06:19		
<b>Sulfate</b>	<b>280 Q</b>	<b>100</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/11-08/12/06</b>	<b>6227308</b>
		Dilution Factor: 20		Analysis Time...: 21:04		
<b>Total Dissolved Solids</b>	<b>990</b>	<b>10</b>	<b>mg/L</b>	<b>MCAWW 160.1</b>	<b>08/14/06</b>	<b>6226396</b>
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 150.1		6223570	6228165
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
002	WATER	MCAWW 150.1		6223570	6228165
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
003	WATER	MCAWW 150.1		6223570	6228165
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	RSK SOP-175		6227654	
004	WATER	MCAWW 150.1		6223570	6228165
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
005	WATER	MCAWW 150.1		6223570	6228165
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
006	WATER	SW846 8021B		6228526	6228311
007	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
007	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
008	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
009	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6228062	6228032
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
010	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
011	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
011	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
012	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
013	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
014	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
015	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	
016	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6228526	6228311
	WATER	RSK SOP-175		6227654	

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
016	WATER	RSK SOP-175		6227654	
017	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6227654	
018	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6227654	
019	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
019	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6227654	
020	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227297	6229194
	WATER	MCAWW 300.0A		6227301	6229199
	WATER	MCAWW 300.0A		6227298	6229192
	WATER	MCAWW 300.0A		6227299	6229197
	WATER	MCAWW 300.0A		6227302	6229196
	WATER	MCAWW 300.0A		6227300	6229195
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6227654	
021	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227304	6229179
	WATER	MCAWW 300.0A		6227308	6229191
	WATER	MCAWW 300.0A		6227305	6229174
	WATER	MCAWW 300.0A		6227306	6229188
	WATER	MCAWW 300.0A		6227309	6229183
	WATER	MCAWW 300.0A		6227307	6229182
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6228564	6228340
022	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226395	6228118
	WATER	MCAWW 200.7		6226354	6226227
	WATER	MCAWW 310.1		6233131	
	WATER	MCAWW 300.0A		6227304	6229179
	WATER	MCAWW 300.0A		6227308	6229191
	WATER	MCAWW 300.0A		6227305	6229174
	WATER	MCAWW 300.0A		6227306	6229188
	WATER	MCAWW 300.0A		6227309	6229183
	WATER	MCAWW 300.0A		6227309	6229183

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# QC DATA ASSOCIATION SUMMARY

D6H110363

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	WATER	MCAWW 300.0A		6227307	6229182
	WATER	MCAWW 200.8		6226335	6226216
	WATER	MCAWW 310.1		6233129	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6228564	6228340
023	WATER	MCAWW 150.1		6223573	6228176
	WATER	MCAWW 160.1		6226396	6228119
	WATER	MCAWW 200.7		6226355	6226229
	WATER	MCAWW 310.1		6233132	
	WATER	MCAWW 300.0A		6227304	6229179
	WATER	MCAWW 300.0A		6227308	6229191
	WATER	MCAWW 300.0A		6227305	6229174
	WATER	MCAWW 300.0A		6227306	6229188
	WATER	MCAWW 300.0A		6227309	6229183
	WATER	MCAWW 300.0A		6227307	6229182
	WATER	MCAWW 200.8		6226336	6226217
	WATER	MCAWW 310.1		6233130	
	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6228564	6228340
024	WATER	SW846 8021B		6229351	6229271
025	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6227654	
026	WATER	SW846 8021B		6229351	6229271
	WATER	RSK SOP-175		6228564	6228340

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H110363  
MB Lot-Sample #: D6H150000-654

Work Order #...: JCD6D1AA

Matrix.....: WATER

Analysis Date...: 08/14/06

Prep Date.....: 08/14/06

Analysis Time...: 10:08

Dilution Factor: 1

Prep Batch #...: 6227654

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Methane	ND	5.0	ug/L	RSK SOP-175

**NOTE(S) :**

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H110363  
MB Lot-Sample #: D6H160000-564

Work Order #...: JCHE51AA

Matrix.....: WATER

Analysis Date...: 08/15/06

Prep Date.....: 08/15/06

Analysis Time...: 09:37

Dilution Factor: 1

Prep Batch #...: 6228564

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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 #...: D6H110363      Work Order #...: JCD6D1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H150000-654      JCD6D1AD-LCSD  
 Prep Date.....: 08/14/06      Analysis Date...: 08/14/06  
 Prep Batch #...: 6227654      Analysis Time...: 09:58  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	82	(69 - 125)			RSK SOP-175
	91	(69 - 125)	9.8	(0-20)	RSK SOP-175
Ethane	84	(60 - 135)			RSK SOP-175
	93	(60 - 135)	9.6	(0-20)	RSK SOP-175
Ethene	87	(64 - 134)			RSK SOP-175
	95	(64 - 134)	8.2	(0-20)	RSK SOP-175
Acetylene	99	(60 - 120)			RSK SOP-175
	98	(60 - 120)	1.1	(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 #....: D6H110363      Work Order #....: JCD6D1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H150000-654      JCD6D1AD-LCSD  
 Prep Date.....: 08/14/06      Analysis Date...: 08/14/06  
 Prep Batch #....: 6227654      Analysis Time...: 09:58  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
<b>Methane</b>	<b>73.0</b>	<b>60.1</b>	<b>ug/L</b>	<b>82</b>		<b>RSK SOP-175</b>
	<b>73.0</b>	<b>66.2</b>	<b>ug/L</b>	<b>91</b>	<b>9.8</b>	<b>RSK SOP-175</b>
<b>Ethane</b>	<b>137</b>	<b>115</b>	<b>ug/L</b>	<b>84</b>		<b>RSK SOP-175</b>
	<b>137</b>	<b>127</b>	<b>ug/L</b>	<b>93</b>	<b>9.6</b>	<b>RSK SOP-175</b>
<b>Ethene</b>	<b>127</b>	<b>111</b>	<b>ug/L</b>	<b>87</b>		<b>RSK SOP-175</b>
	<b>127</b>	<b>121</b>	<b>ug/L</b>	<b>95</b>	<b>8.2</b>	<b>RSK SOP-175</b>
<b>Acetylene</b>	<b>118</b>	<b>116</b>	<b>ug/L</b>	<b>99</b>		<b>RSK SOP-175</b>
	<b>118</b>	<b>115</b>	<b>ug/L</b>	<b>98</b>	<b>1.1</b>	<b>RSK SOP-175</b>

### NOTE(S) :

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

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H110363      Work Order #....: JCHE51AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H160000-564      JCHE51AD-LCSD  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #....: 6228564      Analysis Time...: 09:27  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
<b>Methane</b>	<b>90</b>	<b>(69 - 125)</b>			RSK SOP-175
	<b>85</b>	<b>(69 - 125)</b>	5.5	(0-20)	RSK SOP-175
<b>Ethane</b>	<b>92</b>	<b>(60 - 135)</b>			RSK SOP-175
	<b>87</b>	<b>(60 - 135)</b>	5.4	(0-20)	RSK SOP-175
<b>Ethene</b>	<b>94</b>	<b>(64 - 134)</b>			RSK SOP-175
	<b>90</b>	<b>(64 - 134)</b>	4.5	(0-20)	RSK SOP-175
<b>Acetylene</b>	<b>101</b>	<b>(60 - 120)</b>			RSK SOP-175
	<b>102</b>	<b>(60 - 120)</b>	1.2	(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 #...: D6H110363      Work Order #...: JCHE51AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H160000-564      JCHE51AD-LCSD  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228564      Analysis Time...: 09:27  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
<b>Methane</b>	<b>73.0</b>	<b>65.6</b>	ug/L	<b>90</b>		<b>RSK SOP-175</b>
	<b>73.0</b>	<b>62.0</b>	ug/L	<b>85</b>	<b>5.5</b>	<b>RSK SOP-175</b>
<b>Ethane</b>	<b>137</b>	<b>126</b>	ug/L	<b>92</b>		<b>RSK SOP-175</b>
	<b>137</b>	<b>120</b>	ug/L	<b>87</b>	<b>5.4</b>	<b>RSK SOP-175</b>
<b>Ethene</b>	<b>127</b>	<b>120</b>	ug/L	<b>94</b>		<b>RSK SOP-175</b>
	<b>127</b>	<b>115</b>	ug/L	<b>90</b>	<b>4.5</b>	<b>RSK SOP-175</b>
<b>Acetylene</b>	<b>118</b>	<b>119</b>	ug/L	<b>101</b>		<b>RSK SOP-175</b>
	<b>118</b>	<b>120</b>	ug/L	<b>102</b>	<b>1.2</b>	<b>RSK SOP-175</b>

### NOTE (S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H110363      Work Order #...: JAWEC1GL-MS      Matrix.....: WATER  
 MS Lot-Sample #: F6H080293-002      JAWEC1GM-MSD  
 Date Sampled...: 08/07/06 11:15      Date Received...: 08/08/06  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228564      Analysis Time...: 12:21  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	76	(51 - 165)			RSK SOP-175
	88	(51 - 165)	14	(0-20)	RSK SOP-175
Ethane	80	(46 - 175)			RSK SOP-175
	92	(46 - 175)	14	(0-20)	RSK SOP-175
Ethene	82	(62 - 168)			RSK SOP-175
	92	(62 - 168)	11	(0-20)	RSK SOP-175
Acetylene	87	(60 - 120)			RSK SOP-175
	90	(60 - 120)	3.5	(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

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #...: D6H110363      Work Order #...: JAWEC1GL-MS      Matrix.....: WATER  
 MS Lot-Sample #: F6H080293-002      JAWEC1GM-MSD  
 Date Sampled...: 08/07/06 11:15      Date Received...: 08/08/06  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228564      Analysis Time...: 12:21  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Methane	ND	73.0	58.7	ug/L	76		RSK SOP-175
	ND	73.0	67.8	ug/L	88	14	RSK SOP-175
Ethane	ND	137	110	ug/L	80		RSK SOP-175
	ND	137	126	ug/L	92	14	RSK SOP-175
Ethene	ND	127	104	ug/L	82		RSK SOP-175
	ND	127	117	ug/L	92	11	RSK SOP-175
Acetylene	ND	118	103	ug/L	87		RSK SOP-175
	ND	118	107	ug/L	90	3.5	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

## GC Volatiles

Client Lot #...: D6H110363  
 MB Lot-Sample #: D6H160000-526

Work Order #...: JCG3T1AA

Matrix.....: WATER

Analysis Date...: 08/15/06

Prep Date.....: 08/15/06

Analysis Time...: 10:38

Dilution Factor: 1

Prep Batch #...: 6228526

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

### NOTE (S) :

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

# METHOD BLANK REPORT

## GC Volatiles

Client Lot #...: D6H110363  
 MB Lot-Sample #: D6H170000-351

Work Order #...: JCKGM1AA

Matrix.....: WATER

Analysis Date...: 08/16/06

Prep Date.....: 08/16/06

Analysis Time...: 14:18

Dilution Factor: 1

Prep Batch #...: 6229351

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H110363      Work Order #....: JCG3T1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H160000-526      JCG3T1AD-LCSD  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #....: 6228526      Analysis Time...: 09:26  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	82	(75 - 117)			SW846 8021B
	96	(75 - 117)	15	(0-45)	SW846 8021B
Ethylbenzene	86	(79 - 115)			SW846 8021B
	97	(79 - 115)	12	(0-46)	SW846 8021B
Chlorobenzene	83	(81 - 115)			SW846 8021B
	93	(81 - 115)	11	(0-35)	SW846 8021B
Toluene	82	(77 - 115)			SW846 8021B
	95	(77 - 115)	15	(0-45)	SW846 8021B
Xylenes (total)	86	(79 - 116)			SW846 8021B
	97	(79 - 116)	12	(0-46)	SW846 8021B
1,3-Dichlorobenzene	87	(80 - 115)			SW846 8021B
	96	(80 - 115)	10	(0-35)	SW846 8021B
1,4-Dichlorobenzene	88	(79 - 115)			SW846 8021B
	98	(79 - 115)	10	(0-35)	SW846 8021B
1,2-Dichlorobenzene	86	(80 - 115)			SW846 8021B
	96	(80 - 115)	11	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)
	96	(85 - 115)

### 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 #...: D6H110363      Work Order #...: JCG3T1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H160000-526      JCG3T1AD-LCSD  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228526      Analysis Time...: 09:26  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	16.4	ug/L	82		SW846 8021B
	20.0	19.1	ug/L	96	15	SW846 8021B
Ethylbenzene	20.0	17.2	ug/L	86		SW846 8021B
	20.0	19.4	ug/L	97	12	SW846 8021B
Chlorobenzene	20.0	16.6	ug/L	83		SW846 8021B
	20.0	18.5	ug/L	93	11	SW846 8021B
Toluene	20.0	16.5	ug/L	82		SW846 8021B
	20.0	19.1	ug/L	95	15	SW846 8021B
Xylenes (total)	60.0	51.5	ug/L	86		SW846 8021B
	60.0	58.2	ug/L	97	12	SW846 8021B
1,3-Dichlorobenzene	20.0	17.3	ug/L	87		SW846 8021B
	20.0	19.2	ug/L	96	10	SW846 8021B
1,4-Dichlorobenzene	20.0	17.6	ug/L	88		SW846 8021B
	20.0	19.5	ug/L	98	10	SW846 8021B
1,2-Dichlorobenzene	20.0	17.2	ug/L	86		SW846 8021B
	20.0	19.2	ug/L	96	11	SW846 8021B
SURROGATE				PERCENT RECOVERY		RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)				95		(85 - 115)
				96		(85 - 115)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H110363      Work Order #...: JCKGM1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H170000-351      JCKGM1AD-LCSD  
 Prep Date.....: 08/16/06      Analysis Date...: 08/16/06  
 Prep Batch #...: 6229351      Analysis Time...: 13:03  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	95	(75 - 117)			SW846 8021B
	95	(75 - 117)	0.56	(0-45)	SW846 8021B
Ethylbenzene	98	(79 - 115)			SW846 8021B
	98	(79 - 115)	0.010	(0-46)	SW846 8021B
Chlorobenzene	97	(81 - 115)			SW846 8021B
	96	(81 - 115)	0.26	(0-35)	SW846 8021B
Toluene	97	(77 - 115)			SW846 8021B
	97	(77 - 115)	0.0	(0-45)	SW846 8021B
Xylenes (total)	98	(79 - 116)			SW846 8021B
	98	(79 - 116)	0.050	(0-46)	SW846 8021B
1,3-Dichlorobenzene	103	(80 - 115)			SW846 8021B
	102	(80 - 115)	0.95	(0-35)	SW846 8021B
1,4-Dichlorobenzene	99	(79 - 115)			SW846 8021B
	99	(79 - 115)	0.64	(0-35)	SW846 8021B
1,2-Dichlorobenzene	97	(80 - 115)			SW846 8021B
	97	(80 - 115)	0.030	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	97	(85 - 115)

### 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 #....: D6H110363      Work Order #....: JCKGM1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H170000-351      JCKGM1AD-LCSD  
 Prep Date.....: 08/16/06      Analysis Date...: 08/16/06  
 Prep Batch #....: 6229351      Analysis Time...: 13:03  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	18.9	ug/L	95		SW846 8021B
	20.0	19.0	ug/L	95	0.56	SW846 8021B
Ethylbenzene	20.0	19.6	ug/L	98		SW846 8021B
	20.0	19.6	ug/L	98	0.010	SW846 8021B
Chlorobenzene	20.0	19.3	ug/L	97		SW846 8021B
	20.0	19.3	ug/L	96	0.26	SW846 8021B
Toluene	20.0	19.3	ug/L	97		SW846 8021B
	20.0	19.3	ug/L	97	0.0	SW846 8021B
Xylenes (total)	60.0	58.7	ug/L	98		SW846 8021B
	60.0	58.6	ug/L	98	0.050	SW846 8021B
1,3-Dichlorobenzene	20.0	20.6	ug/L	103		SW846 8021B
	20.0	20.4	ug/L	102	0.95	SW846 8021B
1,4-Dichlorobenzene	20.0	19.8	ug/L	99		SW846 8021B
	20.0	19.7	ug/L	99	0.64	SW846 8021B
1,2-Dichlorobenzene	20.0	19.4	ug/L	97		SW846 8021B
	20.0	19.4	ug/L	97	0.030	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	97	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H110363      Work Order #...: JA7VL1CF-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H110363-001      JA7VL1CG-MSD  
 Date Sampled...: 08/08/06 10:00      Date Received...: 08/11/06  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228526      Analysis Time...: 11:51  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	89	(75 - 117)			SW846 8021B
	89	(75 - 117)	0.40	(0-45)	SW846 8021B
Ethylbenzene	93	(79 - 115)			SW846 8021B
	92	(79 - 115)	0.33	(0-46)	SW846 8021B
Chlorobenzene	89	(81 - 115)			SW846 8021B
	90	(81 - 115)	1.1	(0-35)	SW846 8021B
Toluene	91	(77 - 115)			SW846 8021B
	89	(77 - 115)	1.5	(0-45)	SW846 8021B
Xylenes (total)	90	(79 - 116)			SW846 8021B
	89	(79 - 116)	1.4	(0-46)	SW846 8021B
1,3-Dichlorobenzene	94	(80 - 115)			SW846 8021B
	95	(80 - 115)	1.0	(0-35)	SW846 8021B
1,4-Dichlorobenzene	95	(79 - 115)			SW846 8021B
	95	(79 - 115)	0.65	(0-35)	SW846 8021B
1,2-Dichlorobenzene	92	(80 - 115)			SW846 8021B
	93	(80 - 115)	0.53	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	94	(85 - 115)

### 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 Volatiles

Client Lot #...: D6H110363      Work Order #...: JA7VL1CF-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H110363-001      JA7VL1CG-MSD  
 Date Sampled...: 08/08/06 10:00      Date Received...: 08/11/06  
 Prep Date.....: 08/15/06      Analysis Date...: 08/15/06  
 Prep Batch #...: 6228526      Analysis Time...: 11:51  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	17.9	ug/L	89		SW846 8021B
	ND	20.0	17.8	ug/L	89	0.40	SW846 8021B
Ethylbenzene	ND	20.0	18.5	ug/L	93		SW846 8021B
	ND	20.0	18.4	ug/L	92	0.33	SW846 8021B
Chlorobenzene	ND	20.0	17.8	ug/L	89		SW846 8021B
	ND	20.0	18.0	ug/L	90	1.1	SW846 8021B
Toluene	ND	20.0	18.1	ug/L	91		SW846 8021B
	ND	20.0	17.8	ug/L	89	1.5	SW846 8021B
Xylenes (total)	ND	60.0	54.2	ug/L	90		SW846 8021B
	ND	60.0	53.5	ug/L	89	1.4	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	18.7	ug/L	94		SW846 8021B
	ND	20.0	18.9	ug/L	95	1.0	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	18.9	ug/L	95		SW846 8021B
	ND	20.0	19.0	ug/L	95	0.65	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	18.5	ug/L	92		SW846 8021B
	ND	20.0	18.6	ug/L	93	0.53	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	94	(85 - 115)

### NOTE (S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H110363      Work Order #...: JA7WT1A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H110363-017      JA7WT1A5-MSD  
 Date Sampled...: 08/10/06 09:00      Date Received...: 08/11/06  
 Prep Date.....: 08/16/06      Analysis Date...: 08/16/06  
 Prep Batch #...: 6229351      Analysis Time...: 15:39  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	88	(75 - 117)			SW846 8021B
	89	(75 - 117)	0.97	(0-45)	SW846 8021B
Ethylbenzene	90	(79 - 115)			SW846 8021B
	91	(79 - 115)	0.77	(0-46)	SW846 8021B
Chlorobenzene	89	(81 - 115)			SW846 8021B
	89	(81 - 115)	0.90	(0-35)	SW846 8021B
Toluene	89	(77 - 115)			SW846 8021B
	90	(77 - 115)	0.91	(0-45)	SW846 8021B
Xylenes (total)	90	(79 - 116)			SW846 8021B
	90	(79 - 116)	0.19	(0-46)	SW846 8021B
1,3-Dichlorobenzene	95	(80 - 115)			SW846 8021B
	95	(80 - 115)	0.38	(0-35)	SW846 8021B
1,4-Dichlorobenzene	91	(79 - 115)			SW846 8021B
	91	(79 - 115)	0.04	(0-35)	SW846 8021B
1,2-Dichlorobenzene	90	(80 - 115)			SW846 8021B
	89	(80 - 115)	0.27	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)
	98	(85 - 115)

### 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 Volatiles

Client Lot #...: D6H110363      Work Order #...: JA7WT1A4-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H110363-017      JA7WT1A5-MSD  
 Date Sampled...: 08/10/06 09:00      Date Received...: 08/11/06  
 Prep Date.....: 08/16/06      Analysis Date...: 08/16/06  
 Prep Batch #...: 6229351      Analysis Time...: 15:39  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	17.6	ug/L	88		SW846 8021B
	ND	20.0	17.8	ug/L	89	0.97	SW846 8021B
Ethylbenzene	ND	20.0	18.1	ug/L	90		SW846 8021B
	ND	20.0	18.2	ug/L	91	0.77	SW846 8021B
Chlorobenzene	ND	20.0	17.7	ug/L	89		SW846 8021B
	ND	20.0	17.9	ug/L	89	0.90	SW846 8021B
Toluene	ND	20.0	17.7	ug/L	89		SW846 8021B
	ND	20.0	17.9	ug/L	90	0.91	SW846 8021B
Xylenes (total)	ND	60.0	54.0	ug/L	90		SW846 8021B
	ND	60.0	54.1	ug/L	90	0.19	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	18.9	ug/L	95		SW846 8021B
	ND	20.0	19.0	ug/L	95	0.38	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	18.2	ug/L	91		SW846 8021B
	ND	20.0	18.2	ug/L	91	0.04	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	17.9	ug/L	90		SW846 8021B
	ND	20.0	17.9	ug/L	89	0.27	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)
	98	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

		REPORTING				PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
MB Lot-Sample #: D6H140000-335    Prep Batch #...: 6226335							
Arsenic	ND	5.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AA
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Barium	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AC
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Cadmium	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AD
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Chromium	ND	3.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AE
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Lead	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AF
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Manganese	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AG
		Dilution Factor: 1					
		Analysis Time...: 21:49					
Selenium	ND	5.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJQ1AH
		Dilution Factor: 1					
		Analysis Time...: 21:49					
MB Lot-Sample #: D6H140000-336    Prep Batch #...: 6226336							
Arsenic	ND	5.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJX1AC
		Dilution Factor: 1					
		Analysis Time...: 19:22					
Barium	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJX1AV
		Dilution Factor: 1					
		Analysis Time...: 19:22					
Cadmium	ND	1.0	ug/L	MCAWW 200.8		08/15-08/17/06	JCAJX1AD
		Dilution Factor: 1					
		Analysis Time...: 19:22					

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# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/15-08/17/06	JCAJX1AE
		Dilution Factor: 1				
		Analysis Time...: 19:22				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JCAJX1AH
		Dilution Factor: 1				
		Analysis Time...: 19:22				
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/15-08/17/06	JCAJX1AG
		Dilution Factor: 1				
		Analysis Time...: 19:22				
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/15-08/17/06	JCAJX1AJ
		Dilution Factor: 1				
		Analysis Time...: 19:22				

MB Lot-Sample #: D6H140000-354 Prep Batch #...: 6226354

Calcium	ND	200	ug/L	MCAWW 200.7	08/15-08/21/06	JCAKM1AA
		Dilution Factor: 1				
		Analysis Time...: 11:02				
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/21/06	JCAKM1AC
		Dilution Factor: 1				
		Analysis Time...: 11:02				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/15-08/18/06	JCAKM1AD
		Dilution Factor: 1				
		Analysis Time...: 18:31				
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/18/06	JCAKM1AE
		Dilution Factor: 1				
		Analysis Time...: 18:31				
Sodium	ND	5000	ug/L	MCAWW 200.7	08/15-08/18/06	JCAKM1AF
		Dilution Factor: 1				
		Analysis Time...: 18:31				

MB Lot-Sample #: D6H140000-355 Prep Batch #...: 6226355

Calcium	ND	200	ug/L	MCAWW 200.7	08/15-08/16/06	JCAKR1A6
		Dilution Factor: 1				
		Analysis Time...: 19:31				

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# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	MCAWW 200.7	08/15-08/16/06	JCAKR1A2
		Dilution Factor: 1				
		Analysis Time...: 19:31				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/15-08/16/06	JCAKR1A3
		Dilution Factor: 1				
		Analysis Time...: 19:31				
Potassium	ND	3000	ug/L	MCAWW 200.7	08/15-08/16/06	JCAKR1A4
		Dilution Factor: 1				
		Analysis Time...: 19:31				
Sodium	ND	5000	ug/L	MCAWW 200.7	08/15-08/17/06	JCAKR1A5
		Dilution Factor: 1				
		Analysis Time...: 17:36				

### NOTE (S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> D6H140000-335 <b>Prep Batch #...</b> : 6226335					
Arsenic	108	(89 - 111)	MCAWW 200.8	08/15-08/21/06	JCAJQ1AJ
		Dilution Factor: 1	Analysis Time..: 15:08		
Barium	109	(89 - 117)	MCAWW 200.8	08/15-08/21/06	JCAJQ1AK
		Dilution Factor: 1	Analysis Time..: 15:08		
Cadmium	91	(89 - 111)	MCAWW 200.8	08/15-08/17/06	JCAJQ1AL
		Dilution Factor: 1	Analysis Time..: 21:53		
Chromium	89	(86 - 124)	MCAWW 200.8	08/15-08/17/06	JCAJQ1AM
		Dilution Factor: 1	Analysis Time..: 21:53		
Lead	92	(88 - 119)	MCAWW 200.8	08/15-08/17/06	JCAJQ1AN
		Dilution Factor: 1	Analysis Time..: 21:53		
Manganese	91	(87 - 124)	MCAWW 200.8	08/15-08/17/06	JCAJQ1AP
		Dilution Factor: 1	Analysis Time..: 21:53		
Selenium	91	(82 - 114)	MCAWW 200.8	08/15-08/17/06	JCAJQ1AQ
		Dilution Factor: 1	Analysis Time..: 21:53		
<b>LCS Lot-Sample#:</b> D6H140000-336 <b>Prep Batch #...</b> : 6226336					
Arsenic	100	(89 - 111)	MCAWW 200.8	08/15-08/17/06	JCAJX1AL
		Dilution Factor: 1	Analysis Time..: 19:25		
Barium	94	(89 - 117)	MCAWW 200.8	08/15-08/17/06	JCAJX1AW
		Dilution Factor: 1	Analysis Time..: 19:25		
Cadmium	102	(89 - 111)	MCAWW 200.8	08/15-08/17/06	JCAJX1AM
		Dilution Factor: 1	Analysis Time..: 19:25		
Chromium	97	(86 - 124)	MCAWW 200.8	08/15-08/17/06	JCAJX1AN
		Dilution Factor: 1	Analysis Time..: 19:25		
Lead	99	(88 - 119)	MCAWW 200.8	08/15-08/17/06	JCAJX1AR
		Dilution Factor: 1	Analysis Time..: 19:25		
Manganese	100	(87 - 124)	MCAWW 200.8	08/15-08/17/06	JCAJX1AQ
		Dilution Factor: 1	Analysis Time..: 19:25		

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Selenium	103	(82 - 114)	MCAWW 200.8	08/15-08/17/06	JCAJX1AT
Dilution Factor: 1			Analysis Time...: 19:25		

LCS Lot-Sample#: D6H140000-354 Prep Batch #...: 6226354

Calcium	103	(90 - 111)	MCAWW 200.7	08/15-08/21/06	JCAKM1AG
Dilution Factor: 1			Analysis Time...: 11:07		

Iron	100	(89 - 116)	MCAWW 200.7	08/15-08/21/06	JCAKM1AH
Dilution Factor: 1			Analysis Time...: 11:07		

Magnesium	100	(92 - 113)	MCAWW 200.7	08/15-08/18/06	JCAKM1AJ
Dilution Factor: 1			Analysis Time...: 18:36		

Potassium	101	(89 - 114)	MCAWW 200.7	08/15-08/18/06	JCAKM1AK
Dilution Factor: 1			Analysis Time...: 18:36		

Sodium	102	(90 - 117)	MCAWW 200.7	08/15-08/18/06	JCAKM1AL
Dilution Factor: 1			Analysis Time...: 18:36		

LCS Lot-Sample#: D6H140000-355 Prep Batch #...: 6226355

Calcium	98	(90 - 111)	MCAWW 200.7	08/15-08/16/06	JCAKR1CE
Dilution Factor: 1			Analysis Time...: 19:37		

Iron	96	(89 - 116)	MCAWW 200.7	08/15-08/16/06	JCAKR1A9
Dilution Factor: 1			Analysis Time...: 19:37		

Magnesium	96	(92 - 113)	MCAWW 200.7	08/15-08/16/06	JCAKR1CA
Dilution Factor: 1			Analysis Time...: 19:37		

Potassium	100	(89 - 114)	MCAWW 200.7	08/15-08/16/06	JCAKR1CC
Dilution Factor: 1			Analysis Time...: 19:37		

Sodium	95	(90 - 117)	MCAWW 200.7	08/15-08/16/06	JCAKR1CD
Dilution Factor: 1			Analysis Time...: 19:37		

### NOTE (S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D6H140000-335 Prep Batch #...: 6226335							
Arsenic	40.0	43.2	ug/L	108	MCAWW 200.8	08/15-08/21/06	JCAJQ1AJ
			Dilution Factor: 1		Analysis Time...: 15:08		
Barium	40.0	43.8	ug/L	109	MCAWW 200.8	08/15-08/21/06	JCAJQ1AK
			Dilution Factor: 1		Analysis Time...: 15:08		
Cadmium	40.0	36.4	ug/L	91	MCAWW 200.8	08/15-08/17/06	JCAJQ1AL
			Dilution Factor: 1		Analysis Time...: 21:53		
Chromium	40.0	35.7	ug/L	89	MCAWW 200.8	08/15-08/17/06	JCAJQ1AM
			Dilution Factor: 1		Analysis Time...: 21:53		
Lead	40.0	36.8	ug/L	92	MCAWW 200.8	08/15-08/17/06	JCAJQ1AN
			Dilution Factor: 1		Analysis Time...: 21:53		
Manganese	40.0	36.3	ug/L	91	MCAWW 200.8	08/15-08/17/06	JCAJQ1AP
			Dilution Factor: 1		Analysis Time...: 21:53		
Selenium	40.0	36.2	ug/L	91	MCAWW 200.8	08/15-08/17/06	JCAJQ1AQ
			Dilution Factor: 1		Analysis Time...: 21:53		
LCS Lot-Sample#: D6H140000-336 Prep Batch #...: 6226336							
Arsenic	40.0	39.9	ug/L	100	MCAWW 200.8	08/15-08/17/06	JCAJX1AL
			Dilution Factor: 1		Analysis Time...: 19:25		
Barium	40.0	37.4	ug/L	94	MCAWW 200.8	08/15-08/17/06	JCAJX1AW
			Dilution Factor: 1		Analysis Time...: 19:25		
Cadmium	40.0	40.8	ug/L	102	MCAWW 200.8	08/15-08/17/06	JCAJX1AM
			Dilution Factor: 1		Analysis Time...: 19:25		
Chromium	40.0	38.9	ug/L	97	MCAWW 200.8	08/15-08/17/06	JCAJX1AN
			Dilution Factor: 1		Analysis Time...: 19:25		
Lead	40.0	39.5	ug/L	99	MCAWW 200.8	08/15-08/17/06	JCAJX1AR
			Dilution Factor: 1		Analysis Time...: 19:25		
Manganese	40.0	40.2	ug/L	100	MCAWW 200.8	08/15-08/17/06	JCAJX1AQ
			Dilution Factor: 1		Analysis Time...: 19:25		

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# LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Selenium	40.0	41.3	ug/L	103	MCAWW 200.8	08/15-08/17/06	JCAJX1AT
				Dilution Factor: 1	Analysis Time...: 19:25		

LCS Lot-Sample#: D6H140000-354 Prep Batch #...: 6226354

Calcium	50000	51300	ug/L	103	MCAWW 200.7	08/15-08/21/06	JCAKM1AG
				Dilution Factor: 1	Analysis Time...: 11:07		

Iron	1000	1000	ug/L	100	MCAWW 200.7	08/15-08/21/06	JCAKM1AH
				Dilution Factor: 1	Analysis Time...: 11:07		

Magnesium	50000	50200	ug/L	100	MCAWW 200.7	08/15-08/18/06	JCAKM1AJ
				Dilution Factor: 1	Analysis Time...: 18:36		

Potassium	50000	50500	ug/L	101	MCAWW 200.7	08/15-08/18/06	JCAKM1AK
				Dilution Factor: 1	Analysis Time...: 18:36		

Sodium	50000	51100	ug/L	102	MCAWW 200.7	08/15-08/18/06	JCAKM1AL
				Dilution Factor: 1	Analysis Time...: 18:36		

LCS Lot-Sample#: D6H140000-355 Prep Batch #...: 6226355

Calcium	50000	49200	ug/L	98	MCAWW 200.7	08/15-08/16/06	JCAKR1CE
				Dilution Factor: 1	Analysis Time...: 19:37		

Iron	1000	955	ug/L	96	MCAWW 200.7	08/15-08/16/06	JCAKR1A9
				Dilution Factor: 1	Analysis Time...: 19:37		

Magnesium	50000	47800	ug/L	96	MCAWW 200.7	08/15-08/16/06	JCAKR1CA
				Dilution Factor: 1	Analysis Time...: 19:37		

Potassium	50000	49800	ug/L	100	MCAWW 200.7	08/15-08/16/06	JCAKR1CC
				Dilution Factor: 1	Analysis Time...: 19:37		

Sodium	50000	47700	ug/L	95	MCAWW 200.7	08/15-08/16/06	JCAKR1CD
				Dilution Factor: 1	Analysis Time...: 19:37		

### NOTE (S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/08/06 17:15 Date Received...: 08/11/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110363-002 Prep Batch #...: 6226335</b>						
Arsenic	102	(79 - 120)		MCAWW 200.8	08/15-08/17/06	JA7VQ1A4
	99	(79 - 120)	2.9 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7VQ1A5
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Barium	97	(83 - 118)		MCAWW 200.8	08/15-08/17/06	JA7VQ1A6
	98	(83 - 118)	0.30 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7VQ1A7
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Cadmium	102	(82 - 115)		MCAWW 200.8	08/15-08/17/06	JA7VQ1A8
	99	(82 - 115)	2.2 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7VQ1A9
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Chromium	98	(80 - 124)		MCAWW 200.8	08/15-08/17/06	JA7VQ1CA
	97	(80 - 124)	0.57 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7VQ1CC
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Lead	99	(79 - 119)		MCAWW 200.8	08/15-08/17/06	JA7VQ1CD
	98	(79 - 119)	1.4 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7VQ1CE
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Manganese	100	(57 - 149)		MCAWW 200.8	08/15-08/17/06	JA7VQ1CF
	100	(57 - 149)	0.04 (0-35)	MCAWW 200.8	08/15-08/17/06	JA7VQ1CG
		Dilution Factor: 1				
		Analysis Time...: 22:03				
Selenium	100	(64 - 134)		MCAWW 200.8	08/15-08/17/06	JA7VQ1CH
	99	(64 - 134)	0.87 (0-35)	MCAWW 200.8	08/15-08/17/06	JA7VQ1CJ
		Dilution Factor: 1				
		Analysis Time...: 22:03				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #....: D6H110363

Matrix.....: WATER

Date Sampled...: 08/08/06 17:15 Date Received...: 08/11/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H110363-002 Prep Batch #....: 6226335

### Arsenic

ND	40.0	41.1	ug/L	102			MCAWW 200.8	08/15-08/17/06	JA7VQ1A4
ND	40.0	39.9	ug/L	99	2.9		MCAWW 200.8	08/15-08/17/06	JA7VQ1A5
Dilution Factor: 1									
Analysis Time...: 22:03									

### Barium

18	40.0	56.8	ug/L	97			MCAWW 200.8	08/15-08/17/06	JA7VQ1A6
18	40.0	57.0	ug/L	98	0.30		MCAWW 200.8	08/15-08/17/06	JA7VQ1A7
Dilution Factor: 1									
Analysis Time...: 22:03									

### Cadmium

ND	40.0	40.7	ug/L	102			MCAWW 200.8	08/15-08/17/06	JA7VQ1A8
ND	40.0	39.8	ug/L	99	2.2		MCAWW 200.8	08/15-08/17/06	JA7VQ1A9
Dilution Factor: 1									
Analysis Time...: 22:03									

### Chromium

ND	40.0	41.3	ug/L	98			MCAWW 200.8	08/15-08/17/06	JA7VQ1CA
ND	40.0	41.1	ug/L	97	0.57		MCAWW 200.8	08/15-08/17/06	JA7VQ1CC
Dilution Factor: 1									
Analysis Time...: 22:03									

### Lead

ND	40.0	40.0	ug/L	99			MCAWW 200.8	08/15-08/17/06	JA7VQ1CD
ND	40.0	39.5	ug/L	98	1.4		MCAWW 200.8	08/15-08/17/06	JA7VQ1CE
Dilution Factor: 1									
Analysis Time...: 22:03									

### Manganese

ND	40.0	40.8	ug/L	100			MCAWW 200.8	08/15-08/17/06	JA7VQ1CF
ND	40.0	40.7	ug/L	100	0.04		MCAWW 200.8	08/15-08/17/06	JA7VQ1CG
Dilution Factor: 1									
Analysis Time...: 22:03									

### Selenium

5.7	40.0	45.8	ug/L	100			MCAWW 200.8	08/15-08/17/06	JA7VQ1CH
5.7	40.0	45.4	ug/L	99	0.87		MCAWW 200.8	08/15-08/17/06	JA7VQ1CJ
Dilution Factor: 1									
Analysis Time...: 22:03									

### NOTE (S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/09/06 10:20 Date Received...: 08/11/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110336-002 Prep Batch #...: 6226336</b>						
Arsenic	106	(79 - 120)		MCAWW 200.8	08/15-08/17/06	JA7P11AR
	103	(79 - 120)	3.0 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7P11AT
			Dilution Factor: 1			
			Analysis Time...: 19:40			
Barium	99	(83 - 118)		MCAWW 200.8	08/15-08/17/06	JA7P11CD
	95	(83 - 118)	2.8 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7P11CE
			Dilution Factor: 1			
			Analysis Time...: 19:40			
Cadmium	108	(82 - 115)		MCAWW 200.8	08/15-08/17/06	JA7P11AU
	99	(82 - 115)	4.7 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7P11AV
			Dilution Factor: 1			
			Analysis Time...: 19:40			
Chromium	98	(80 - 124)		MCAWW 200.8	08/15-08/17/06	JA7P11AW
	97	(80 - 124)	1.1 (0-30)	MCAWW 200.8	08/15-08/17/06	JA7P11AX
			Dilution Factor: 1			
			Analysis Time...: 19:40			
Lead	NC,MSB	(79 - 119)		MCAWW 200.8	08/15-08/17/06	JA7P11A4
	NC,MSB	(79 - 119)	(0-30)	MCAWW 200.8	08/15-08/17/06	JA7P11A5
			Dilution Factor: 1			
			Analysis Time...: 19:40			
Manganese	NC,MSB	(57 - 149)		MCAWW 200.8	08/15-08/17/06	JA7P11A2
	NC,MSB	(57 - 149)	(0-35)	MCAWW 200.8	08/15-08/17/06	JA7P11A3
			Dilution Factor: 5			
			Analysis Time...: 21:20			
Selenium	97	(64 - 134)		MCAWW 200.8	08/15-08/17/06	JA7P11A6
	96	(64 - 134)	0.76 (0-35)	MCAWW 200.8	08/15-08/17/06	JA7P11A7
			Dilution Factor: 1			
			Analysis Time...: 19:40			

### 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.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #....: D6H110363

Matrix.....: WATER

Date Sampled....: 08/09/06 10:20 Date Received...: 08/11/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110336-002 Prep Batch #....: 6226336</b>									
<b>Arsenic</b>									
ND		40.0	44.2	ug/L	106		MCAWW 200.8	08/15-08/17/06	JA7P11AR
ND		40.0	42.9	ug/L	103	3.0	MCAWW 200.8	08/15-08/17/06	JA7P11AT
Dilution Factor: 1									
Analysis Time...: 19:40									
<b>Barium</b>									
20		40.0	59.7	ug/L	99		MCAWW 200.8	08/15-08/17/06	JA7P11CD
20		40.0	58.1	ug/L	95	2.8	MCAWW 200.8	08/15-08/17/06	JA7P11CE
Dilution Factor: 1									
Analysis Time...: 19:40									
<b>Cadmium</b>									
33		40.0	75.7	ug/L	108		MCAWW 200.8	08/15-08/17/06	JA7P11AU
33		40.0	72.3	ug/L	99	4.7	MCAWW 200.8	08/15-08/17/06	JA7P11AV
Dilution Factor: 1									
Analysis Time...: 19:40									
<b>Chromium</b>									
ND		40.0	40.4	ug/L	98		MCAWW 200.8	08/15-08/17/06	JA7P11AW
ND		40.0	40.0	ug/L	97	1.1	MCAWW 200.8	08/15-08/17/06	JA7P11AX
Dilution Factor: 1									
Analysis Time...: 19:40									
<b>Lead</b>									
200		40.0	246	ug/L			MCAWW 200.8	08/15-08/17/06	JA7P11A4
Qualifiers: NC,MSB									
200		40.0	233	ug/L			MCAWW 200.8	08/15-08/17/06	JA7P11A5
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 19:40									
<b>Manganese</b>									
4600		40.0	4810	ug/L			MCAWW 200.8	08/15-08/17/06	JA7P11A2
Qualifiers: NC,MSB									
4600		40.0	4580	ug/L			MCAWW 200.8	08/15-08/17/06	JA7P11A3
Qualifiers: NC,MSB									
Dilution Factor: 5									
Analysis Time...: 21:20									

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/09/06 10:20 Date Received...: 08/11/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Selenium	ND	40.0	40.0	ug/L	97		MCAWW 200.8	08/15-08/17/06	JA7P11A6
	ND	40.0	39.7	ug/L	96	0.76	MCAWW 200.8	08/15-08/17/06	JA7P11A7
				Dilution Factor: 1					
				Analysis Time...: 19:40					

### 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.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/08/06 10:00 Date Received...: 08/11/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110363-001 Prep Batch #...: 6226354</b>						
Calcium	128 N	(90 - 111)		MCAWW 200.7	08/15-08/21/06	JA7VL1A4
	112 N	(90 - 111) 5.7	(0-20)	MCAWW 200.7	08/15-08/21/06	JA7VL1A5
		Dilution Factor: 1				
		Analysis Time...: 11:22				
Iron	109	(89 - 116)		MCAWW 200.7	08/15-08/21/06	JA7VL1A6
	99	(89 - 116) 9.0	(0-20)	MCAWW 200.7	08/15-08/21/06	JA7VL1A7
		Dilution Factor: 1				
		Analysis Time...: 11:22				
Magnesium	100	(92 - 113)		MCAWW 200.7	08/15-08/18/06	JA7VL1A8
	98	(92 - 113) 1.2	(0-20)	MCAWW 200.7	08/15-08/18/06	JA7VL1A9
		Dilution Factor: 1				
		Analysis Time...: 18:49				
Potassium	103	(89 - 114)		MCAWW 200.7	08/15-08/18/06	JA7VL1CA
	101	(89 - 114) 2.3	(0-20)	MCAWW 200.7	08/15-08/18/06	JA7VL1CC
		Dilution Factor: 1				
		Analysis Time...: 18:49				
Sodium	102	(90 - 117)		MCAWW 200.7	08/15-08/18/06	JA7VL1CD
	101	(90 - 117) 0.48	(0-20)	MCAWW 200.7	08/15-08/18/06	JA7VL1CE
		Dilution Factor: 1				
		Analysis Time...: 18:49				

### NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/08/06 10:00 Date Received...: 08/11/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H110363-001 Prep Batch #...: 6226354

### Calcium

80000	50000	144000	ug/L	128			MCAWW 200.7	08/15-08/21/06	JA7VL1A4
Qualifiers: N									
80000	50000	136000	ug/L	112	5.7		MCAWW 200.7	08/15-08/21/06	JA7VL1A5
Qualifiers: N									
Dilution Factor: 1									
Analysis Time...: 11:22									

### Iron

100	1000	1190	ug/L	109			MCAWW 200.7	08/15-08/21/06	JA7VL1A6
100	1000	1080	ug/L	99	9.0		MCAWW 200.7	08/15-08/21/06	JA7VL1A7
Dilution Factor: 1									
Analysis Time...: 11:22									

### Magnesium

32000	50000	81500	ug/L	100			MCAWW 200.7	08/15-08/18/06	JA7VL1A8
32000	50000	80600	ug/L	98	1.2		MCAWW 200.7	08/15-08/18/06	JA7VL1A9
Dilution Factor: 1									
Analysis Time...: 18:49									

### Potassium

ND	50000	53500	ug/L	103			MCAWW 200.7	08/15-08/18/06	JA7VL1CA
ND	50000	52300	ug/L	101	2.3		MCAWW 200.7	08/15-08/18/06	JA7VL1CC
Dilution Factor: 1									
Analysis Time...: 18:49									

### Sodium

120000	50000	176000	ug/L	102			MCAWW 200.7	08/15-08/18/06	JA7VL1CD
120000	50000	175000	ug/L	101	0.48		MCAWW 200.7	08/15-08/18/06	JA7VL1CE
Dilution Factor: 1									
Analysis Time...: 18:49									

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #....: D6H110363

Matrix.....: WATER

Date Sampled...: 08/11/06 10:00 Date Received...: 08/11/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110387-001 Prep Batch #...: 6226355</b>						
Calcium	105	(90 - 111)		MCAWW 200.7	08/15-08/16/06	JA71X1C0
	102	(90 - 111)	2.1 (0-20)	MCAWW 200.7	08/15-08/16/06	JA71X1C1
		Dilution Factor: 1				
		Analysis Time...: 22:02				
Iron	99	(89 - 116)		MCAWW 200.7	08/15-08/16/06	JA71X1CK
	97	(89 - 116)	1.8 (0-20)	MCAWW 200.7	08/15-08/16/06	JA71X1CL
		Dilution Factor: 1				
		Analysis Time...: 22:02				
Magnesium	100	(92 - 113)		MCAWW 200.7	08/15-08/16/06	JA71X1CN
	98	(92 - 113)	2.0 (0-20)	MCAWW 200.7	08/15-08/16/06	JA71X1CP
		Dilution Factor: 1				
		Analysis Time...: 22:02				
Potassium	126 N	(89 - 114)		MCAWW 200.7	08/15-08/16/06	JA71X1CR
	125 N	(89 - 114)	0.57 (0-20)	MCAWW 200.7	08/15-08/16/06	JA71X1CT
		Dilution Factor: 1				
		Analysis Time...: 22:02				
Sodium	NC,MSB	(90 - 117)		MCAWW 200.7	08/15-08/16/06	JA71X1CV
	NC,MSB	(90 - 117)	(0-20)	MCAWW 200.7	08/15-08/16/06	JA71X1CW
		Dilution Factor: 1				
		Analysis Time...: 22:02				

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

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.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/11/06 10:00 Date Received...: 08/11/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #: D6H110387-001 Prep Batch #...: 6226355</b>									
Calcium									
	9100	50000	61600	ug/L	105		MCAWW 200.7	08/15-08/16/06	JA71X1C0
	9100	50000	60300	ug/L	102	2.1	MCAWW 200.7	08/15-08/16/06	JA71X1C1
Dilution Factor: 1									
Analysis Time...: 22:02									
Iron									
	160	1000	1150	ug/L	99		MCAWW 200.7	08/15-08/16/06	JA71X1CK
	160	1000	1130	ug/L	97	1.8	MCAWW 200.7	08/15-08/16/06	JA71X1CL
Dilution Factor: 1									
Analysis Time...: 22:02									
Magnesium									
	1100	50000	51300	ug/L	100		MCAWW 200.7	08/15-08/16/06	JA71X1CN
	1100	50000	50300	ug/L	98	2.0	MCAWW 200.7	08/15-08/16/06	JA71X1CP
Dilution Factor: 1									
Analysis Time...: 22:02									
Potassium									
	12000	50000	74700	N ug/L	126		MCAWW 200.7	08/15-08/16/06	JA71X1CR
	12000	50000	74300	N ug/L	125	0.57	MCAWW 200.7	08/15-08/16/06	JA71X1CT
Dilution Factor: 1									
Analysis Time...: 22:02									
Sodium									
	730000	50000	790000	ug/L			MCAWW 200.7	08/15-08/16/06	JA71X1CV
Qualifiers: NC,MSB									
	730000	50000	780000	ug/L			MCAWW 200.7	08/15-08/16/06	JA71X1CW
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 22:02									

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

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.

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO3	ND	Work Order #: JCTJR1AA 5.0	mg/L	MB Lot-Sample #: D6H210000-129 MCAWW 310.1	08/18/06	6233129
Dilution Factor: 1 Analysis Time...: 08:30						
Bicarbonate, as CaCO3	ND	Work Order #: JCTJ71AA 5.0	mg/L	MB Lot-Sample #: D6H210000-130 MCAWW 310.1	08/18/06	6233130
Dilution Factor: 1 Analysis Time...: 08:30						
Bromide	ND	Work Order #: JCJRX1AA 0.20	mg/L	MB Lot-Sample #: D6H150000-302 MCAWW 300.0A	08/11/06	6227302
Dilution Factor: 1 Analysis Time...: 22:50						
Bromide	ND	Work Order #: JCJR01AA 0.20	mg/L	MB Lot-Sample #: D6H150000-309 MCAWW 300.0A	08/11-08/12/06	6227309
Dilution Factor: 1 Analysis Time...: 12:28						
Carbonate, as CaCO3	ND	Work Order #: JCTJ91AA 5.0	mg/L	MB Lot-Sample #: D6H210000-131 MCAWW 310.1	08/18/06	6233131
Dilution Factor: 1 Analysis Time...: 08:30						
Carbonate, as CaCO3	ND	Work Order #: JCVC1AA 5.0	mg/L	MB Lot-Sample #: D6H210000-132 MCAWW 310.1	08/18/06	6233132
Dilution Factor: 1 Analysis Time...: 08:30						
Chloride	ND	Work Order #: JCJRH1AA 3.0	mg/L	MB Lot-Sample #: D6H150000-297 MCAWW 300.0A	08/11-08/12/06	6227297
Dilution Factor: 1 Analysis Time...: 22:50						
Chloride	ND	Work Order #: JCJRM1AA 3.0	mg/L	MB Lot-Sample #: D6H150000-304 MCAWW 300.0A	08/11-08/12/06	6227304
Dilution Factor: 1 Analysis Time...: 12:28						
Chloride	ND	Work Order #: JCEN91AA 3.0	mg/L	MB Lot-Sample #: D6H160000-062 MCAWW 300.0A	08/15/06	6228062
Dilution Factor: 1 Analysis Time...: 14:46						

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# METHOD BLANK REPORT

## General Chemistry

Client Lot #....: D6H110363

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Fluoride	ND	Work Order #: JCJQ61AA 0.50 Dilution Factor: 1 Analysis Time...: 22:50	mg/L	MB Lot-Sample #: D6H150000-298 MCAWW 300.0A	08/11/06	6227298
Fluoride	ND	Work Order #: JCJQ91AA 0.50 Dilution Factor: 1 Analysis Time...: 13:07	mg/L	MB Lot-Sample #: D6H150000-305 MCAWW 300.0A	08/11/06	6227305
Nitrate	ND	Work Order #: JCJR11AA 0.50 Dilution Factor: 1 Analysis Time...: 22:50	mg/L	MB Lot-Sample #: D6H150000-299 MCAWW 300.0A	08/11/06	6227299
Nitrate	ND	Work Order #: JCJR51AA 0.50 Dilution Factor: 1 Analysis Time...: 12:28	mg/L	MB Lot-Sample #: D6H150000-306 MCAWW 300.0A	08/11-08/12/06	6227306
Nitrite	ND	Work Order #: JCJRQ1AA 0.50 Dilution Factor: 1 Analysis Time...: 22:50	mg/L	MB Lot-Sample #: D6H150000-300 MCAWW 300.0A	08/11/06	6227300
Nitrite	ND	Work Order #: JCJRT1AA 0.50 Dilution Factor: 1 Analysis Time...: 12:28	mg/L	MB Lot-Sample #: D6H150000-307 MCAWW 300.0A	08/11-08/12/06	6227307
Sulfate	ND	Work Order #: JCJTD1AA 5.0 Dilution Factor: 1 Analysis Time...: 22:50	mg/L	MB Lot-Sample #: D6H150000-301 MCAWW 300.0A	08/11-08/12/06	6227301
Sulfate	ND	Work Order #: JCJTG1AA 5.0 Dilution Factor: 1 Analysis Time...: 12:28	mg/L	MB Lot-Sample #: D6H150000-308 MCAWW 300.0A	08/11-08/12/06	6227308
Total Dissolved Solids	ND	Work Order #: JCE881AA 10 Dilution Factor: 1 Analysis Time...: 11:00	mg/L	MB Lot-Sample #: D6H140000-395 MCAWW 160.1	08/14/06	6226395

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	08/14/06	6226396
Work Order #: JCE9J1AA MB Lot-Sample #: D6H140000-396						
Dilution Factor: 1						
Analysis Time...: 11:30						

**NOTE (S) :**

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H110363

Matrix.....: WATER

	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH		WO#:JCFM01AA-LCS/JCFM01AC-LCSD LCS Lot-Sample#: D6H110000-570					
	100	(97 - 102)			MCAWW 150.1	08/11/06	6223570
	100	(97 - 102)	0.14	(0-5.0)	MCAWW 150.1	08/11/06	6223570
		Dilution Factor: 1		Analysis Time...: 17:39			
pH		WO#:JCFPP1AA-LCS/JCFPP1AC-LCSD LCS Lot-Sample#: D6H110000-573					
	101	(97 - 102)			MCAWW 150.1	08/11/06	6223573
	101	(97 - 102)	0.0	(0-5.0)	MCAWW 150.1	08/11/06	6223573
		Dilution Factor: 1		Analysis Time...: 19:46			
Bromide		WO#:JCJRX1AC-LCS/JCJRX1AD-LCSD LCS Lot-Sample#: D6H150000-302					
	95	(90 - 110)			MCAWW 300.0A	08/11/06	6227302
	96	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	08/11-08/12/06	6227302
		Dilution Factor: 1		Analysis Time...: 22:16			
Bromide		WO#:JCJR01AC-LCS/JCJR01AD-LCSD LCS Lot-Sample#: D6H150000-309					
	100	(90 - 110)			MCAWW 300.0A	08/11-08/12/06	6227309
	100	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	08/11-08/12/06	6227309
		Dilution Factor: 1		Analysis Time...: 12:45			
Chloride		WO#:JCEN91AC-LCS/JCEN91AD-LCSD LCS Lot-Sample#: D6H160000-062					
	102	(90 - 110)			MCAWW 300.0A	08/15/06	6228062
	101	(90 - 110)	0.39	(0-10)	MCAWW 300.0A	08/15/06	6228062
		Dilution Factor: 1		Analysis Time...: 14:14			
Chloride		WO#:JCJRH1AC-LCS/JCJRH1AD-LCSD LCS Lot-Sample#: D6H150000-297					
	90	(90 - 110)			MCAWW 300.0A	08/11-08/12/06	6227297
	92	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	08/11-08/12/06	6227297
		Dilution Factor: 1		Analysis Time...: 22:16			
Chloride		WO#:JCJRM1AC-LCS/JCJRM1AD-LCSD LCS Lot-Sample#: D6H150000-304					
	96	(90 - 110)			MCAWW 300.0A	08/11-08/12/06	6227304
	96	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	08/11-08/12/06	6227304
		Dilution Factor: 1		Analysis Time...: 12:45			
Fluoride		WO#:JCJQ61AC-LCS/JCJQ61AD-LCSD LCS Lot-Sample#: D6H150000-298					
	93	(90 - 110)			MCAWW 300.0A	08/11/06	6227298
	94	(90 - 110)	1.3	(0-10)	MCAWW 300.0A	08/11/06	6227298
		Dilution Factor: 1		Analysis Time...: 22:16			

(Continued on next page)

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H110363

Matrix.....: WATER

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
Fluoride		WO#:JCJQ91AC-LCS/JCJQ91AD-LCSD LCS Lot-Sample#: D6H150000-305			
	96	(90 - 110)		08/11/06	6227305
	96	(90 - 110) 0.25 (0-10)	MCAWW 300.0A	08/11/06	6227305
		Dilution Factor: 1	Analysis Time...: 12:33		
Nitrate		WO#:JCJR11AC-LCS/JCJR11AD-LCSD LCS Lot-Sample#: D6H150000-299			
	90	(90 - 110)	MCAWW 300.0A	08/11/06	6227299
	91	(90 - 110) 0.82 (0-10)	MCAWW 300.0A	08/11/06	6227299
		Dilution Factor: 1	Analysis Time...: 22:16		
Nitrate		WO#:JCJR51AC-LCS/JCJR51AD-LCSD LCS Lot-Sample#: D6H150000-306			
	94	(90 - 110)	MCAWW 300.0A	08/11-08/12/06	6227306
	94	(90 - 110) 0.0 (0-10)	MCAWW 300.0A	08/11-08/12/06	6227306
		Dilution Factor: 1	Analysis Time...: 12:45		
Nitrite		WO#:JCJRQ1AC-LCS/JCJRQ1AD-LCSD LCS Lot-Sample#: D6H150000-300			
	94	(90 - 110)	MCAWW 300.0A	08/11/06	6227300
	94	(90 - 110) 0.79 (0-10)	MCAWW 300.0A	08/11/06	6227300
		Dilution Factor: 1	Analysis Time...: 22:16		
Nitrite		WO#:JCJRT1AC-LCS/JCJRT1AD-LCSD LCS Lot-Sample#: D6H150000-307			
	94	(90 - 110)	MCAWW 300.0A	08/11-08/12/06	6227307
	94	(90 - 110) 0.0 (0-10)	MCAWW 300.0A	08/11-08/12/06	6227307
		Dilution Factor: 1	Analysis Time...: 12:45		
Sulfate		WO#:JCJTD1AC-LCS/JCJTD1AD-LCSD LCS Lot-Sample#: D6H150000-301			
	90	(90 - 110)	MCAWW 300.0A	08/11-08/12/06	6227301
	91	(90 - 110) 0.55 (0-10)	MCAWW 300.0A	08/11-08/12/06	6227301
		Dilution Factor: 1	Analysis Time...: 22:16		
Sulfate		WO#:JCJTG1AC-LCS/JCJTG1AD-LCSD LCS Lot-Sample#: D6H150000-308			
	95	(90 - 110)	MCAWW 300.0A	08/11-08/12/06	6227308
	95	(90 - 110) 0.0 (0-10)	MCAWW 300.0A	08/11-08/12/06	6227308
		Dilution Factor: 1	Analysis Time...: 12:45		
Total Dissolved Solids		WO#:JCE881AC-LCS/JCE881AD-LCSD LCS Lot-Sample#: D6H140000-395			
	100	(86 - 106)	MCAWW 160.1	08/14/06	6226395
	99	(86 - 106) 1.4 (0-20)	MCAWW 160.1	08/14/06	6226395
		Dilution Factor: 1	Analysis Time...: 11:00		

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H110363

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved		WO#:JCE9J1AC-LCS/JCE9J1AD-LCSD LCS Lot-Sample#: D6H140000-396				
Solids						
	100	(86 - 106)		MCAWW 160.1	08/14/06	6226396
	100	(86 - 106)	0.80 (0-20)	MCAWW 160.1	08/14/06	6226396
		Dilution Factor: 1		Analysis Time...: 11:30		

### NOTE (S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H110363

Matrix.....: WATER

	SPIKE	MEASURED		PERCNT			PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
pH			WO#:JCFM01AA-LCS/JCFM01AC-LCSD LCS Lot-Sample#: D6H110000-570					
	7.00	7.02	No Units	100		MCAWW 150.1	08/11/06	6223570
	7.00	7.03	No Units	100	0.14	MCAWW 150.1	08/11/06	6223570
			Dilution Factor: 1		Analysis Time...: 17:39			
pH			WO#:JCFPP1AA-LCS/JCFPP1AC-LCSD LCS Lot-Sample#: D6H110000-573					
	7.00	7.05	No Units	101		MCAWW 150.1	08/11/06	6223573
	7.00	7.05	No Units	101	0.0	MCAWW 150.1	08/11/06	6223573
			Dilution Factor: 1		Analysis Time...: 19:46			
Bromide			WO#:JCJRX1AC-LCS/JCJRX1AD-LCSD LCS Lot-Sample#: D6H150000-302					
	4.00	3.80	mg/L	95		MCAWW 300.0A	08/11/06	6227302
	4.00	3.84	mg/L	96	1.0	MCAWW 300.0A	08/11-08/12/06	6227302
			Dilution Factor: 1		Analysis Time...: 22:16			
Bromide			WO#:JCJR01AC-LCS/JCJR01AD-LCSD LCS Lot-Sample#: D6H150000-309					
	4.00	3.99	mg/L	100		MCAWW 300.0A	08/11-08/12/06	6227309
	4.00	3.99	mg/L	100	0.0	MCAWW 300.0A	08/11-08/12/06	6227309
			Dilution Factor: 1		Analysis Time...: 12:45			
Chloride			WO#:JCEN91AC-LCS/JCEN91AD-LCSD LCS Lot-Sample#: D6H160000-062					
	25.0	25.4	mg/L	102		MCAWW 300.0A	08/15/06	6228062
	25.0	25.3	mg/L	101	0.39	MCAWW 300.0A	08/15/06	6228062
			Dilution Factor: 1		Analysis Time...: 14:14			
Chloride			WO#:JCJRH1AC-LCS/JCJRH1AD-LCSD LCS Lot-Sample#: D6H150000-297					
	20.0	18.1	mg/L	90		MCAWW 300.0A	08/11-08/12/06	6227297
	20.0	18.4	mg/L	92	1.6	MCAWW 300.0A	08/11-08/12/06	6227297
			Dilution Factor: 1		Analysis Time...: 22:16			
Chloride			WO#:JCJRM1AC-LCS/JCJRM1AD-LCSD LCS Lot-Sample#: D6H150000-304					
	20.0	19.2	mg/L	96		MCAWW 300.0A	08/11-08/12/06	6227304
	20.0	19.2	mg/L	96	0.0	MCAWW 300.0A	08/11-08/12/06	6227304
			Dilution Factor: 1		Analysis Time...: 12:45			
Fluoride			WO#:JCJQ61AC-LCS/JCJQ61AD-LCSD LCS Lot-Sample#: D6H150000-298					
	4.00	3.71	mg/L	93		MCAWW 300.0A	08/11/06	6227298
	4.00	3.76	mg/L	94	1.3	MCAWW 300.0A	08/11/06	6227298
			Dilution Factor: 1		Analysis Time...: 22:16			

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# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H110363

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Fluoride						WO#:JCJQ91AC-LCS/JCJQ91AD-LCSD LCS Lot-Sample#: D6H150000-305		
	4.00	3.85	mg/L	96		MCAWW 300.0A	08/11/06	6227305
	4.00	3.86	mg/L	96	0.25	MCAWW 300.0A	08/11/06	6227305
						Dilution Factor: 1		Analysis Time...: 12:33
Nitrate						WO#:JCJR11AC-LCS/JCJR11AD-LCSD LCS Lot-Sample#: D6H150000-299		
	4.00	3.61	mg/L	90		MCAWW 300.0A	08/11/06	6227299
	4.00	3.64	mg/L	91	0.82	MCAWW 300.0A	08/11/06	6227299
						Dilution Factor: 1		Analysis Time...: 22:16
Nitrate						WO#:JCJR51AC-LCS/JCJR51AD-LCSD LCS Lot-Sample#: D6H150000-306		
	4.00	3.78	mg/L	94		MCAWW 300.0A	08/11-08/12/06	6227306
	4.00	3.78	mg/L	94	0.0	MCAWW 300.0A	08/11-08/12/06	6227306
						Dilution Factor: 1		Analysis Time...: 12:45
Nitrite						WO#:JCJRQ1AC-LCS/JCJRQ1AD-LCSD LCS Lot-Sample#: D6H150000-300		
	4.00	3.75	mg/L	94		MCAWW 300.0A	08/11/06	6227300
	4.00	3.78	mg/L	94	0.79	MCAWW 300.0A	08/11/06	6227300
						Dilution Factor: 1		Analysis Time...: 22:16
Nitrite						WO#:JCJRT1AC-LCS/JCJRT1AD-LCSD LCS Lot-Sample#: D6H150000-307		
	4.00	3.78	mg/L	94		MCAWW 300.0A	08/11-08/12/06	6227307
	4.00	3.78	mg/L	94	0.0	MCAWW 300.0A	08/11-08/12/06	6227307
						Dilution Factor: 1		Analysis Time...: 12:45
Sulfate						WO#:JCJTD1AC-LCS/JCJTD1AD-LCSD LCS Lot-Sample#: D6H150000-301		
	20.0	18.1	mg/L	90		MCAWW 300.0A	08/11-08/12/06	6227301
	20.0	18.2	mg/L	91	0.55	MCAWW 300.0A	08/11-08/12/06	6227301
						Dilution Factor: 1		Analysis Time...: 22:16
Sulfate						WO#:JCJTG1AC-LCS/JCJTG1AD-LCSD LCS Lot-Sample#: D6H150000-308		
	20.0	19.0	mg/L	95		MCAWW 300.0A	08/11-08/12/06	6227308
	20.0	19.0	mg/L	95	0.0	MCAWW 300.0A	08/11-08/12/06	6227308
						Dilution Factor: 1		Analysis Time...: 12:45
Total Dissolved Solids						WO#:JCE881AC-LCS/JCE881AD-LCSD LCS Lot-Sample#: D6H140000-395		
	500	500	mg/L	100		MCAWW 160.1	08/14/06	6226395
	500	493	mg/L	99	1.4	MCAWW 160.1	08/14/06	6226395
						Dilution Factor: 1		Analysis Time...: 11:00

(Continued on next page)

## General Chemistry

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:JCE9J1AC-LCS/JCE9J1AD-LCSD LCS Lot-Sample#: D6H140000-396						
	500	498	mg/L	100		MCAWW 160.1	08/14/06	6226396
	500	502	mg/L	100	0.80	MCAWW 160.1	08/14/06	6226396
		Dilution Factor: 1			Analysis Time...: 11:30			

**NOTE (S) :**

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/10/06 12:30 Date Received...: 08/12/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide				WO#: JA6AH1AT-MS/JA6AH1AU-MSD MS Lot-Sample #: D6H110168-001		
	98	(80 - 120)		MCAWW 300.0A	08/11/06	6226496
	97	(80 - 120)	1.5 (0-20)	MCAWW 300.0A	08/11/06	6226496
				Dilution Factor: 1		
				Analysis Time...: 13:40		
Bromide				WO#: JA7VL1CP-MS/JA7VL1CQ-MSD MS Lot-Sample #: D6H110363-001		
	85	(80 - 120)		MCAWW 300.0A	08/11/06	6227302
	74 N	(80 - 120)	13 (0-20)	MCAWW 300.0A	08/11/06	6227302
				Dilution Factor: 1		
				Analysis Time...: 23:23		
Chloride				WO#: JA2MT1CK-MS/JA2MT1CL-MSD MS Lot-Sample #: D6H100170-003		
	99	(80 - 120)		MCAWW 300.0A	08/15/06	6228062
	101	(80 - 120)	0.54 (0-20)	MCAWW 300.0A	08/15/06	6228062
				Dilution Factor: 2		
				Analysis Time...: 18:11		
Chloride				WO#: JA7VL1CK-MS/JA7VL1CL-MSD MS Lot-Sample #: D6H110363-001		
	96 I	(80 - 120)		MCAWW 300.0A	08/11/06	6227297
	85	(80 - 120)	6.1 (0-20)	MCAWW 300.0A	08/11/06	6227297
				Dilution Factor: 1		
				Analysis Time...: 23:23		
Chloride				WO#: JA83W1CE-MS/JA83W1CF-MSD MS Lot-Sample #: D6H120164-002		
	105	(85 - 115)		MCAWW 300.0A	08/11-08/12/06	6227204
	106	(85 - 115)	0.60 (0-20)	MCAWW 300.0A	08/11-08/12/06	6227204
				Dilution Factor: 20		
				Analysis Time...: 14:41		
Fluoride				WO#: JA6AH1AQ-MS/JA6AH1AR-MSD MS Lot-Sample #: D6H110168-001		
	95	(80 - 120)		MCAWW 300.0A	08/11/06	6226502
	93	(80 - 120)	2.2 (0-20)	MCAWW 300.0A	08/11/06	6226502
				Dilution Factor: 1		
				Analysis Time...: 13:40		
Fluoride				WO#: JA7VL1CH-MS/JA7VL1CJ-MSD MS Lot-Sample #: D6H110363-001		
	84	(80 - 120)		MCAWW 300.0A	08/11/06	6227298
	76 N	(80 - 120)	7.9 (0-20)	MCAWW 300.0A	08/11/06	6227298
				Dilution Factor: 1		
				Analysis Time...: 23:23		

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# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/10/06 12:30 Date Received...: 08/12/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate			WO#:		JA7VL1CR-MS/JA7VL1CT-MSD MS Lot-Sample #:	D6H110363-001	
	79 N	(80 - 120)			MCAWW 300.0A	08/11/06	6227299
	69 N	(80 - 120)	12	(0-20)	MCAWW 300.0A	08/11/06	6227299
			Dilution Factor: 1				
			Analysis Time...: 23:23				
Nitrite			WO#:		JA7VL1CM-MS/JA7VL1CN-MSD MS Lot-Sample #:	D6H110363-001	
	106	(80 - 120)			MCAWW 300.0A	08/11/06	6227300
	93	(80 - 120)	13	(0-20)	MCAWW 300.0A	08/11/06	6227300
			Dilution Factor: 1				
			Analysis Time...: 23:23				
Nitrite			WO#:		JA83W1CH-MS/JA83W1CJ-MSD MS Lot-Sample #:	D6H120164-002	
	113	(85 - 115)			MCAWW 300.0A	08/11-08/12/06	6227205
	85 *	(85 - 115)	28	(0-20)	MCAWW 300.0A	08/11-08/12/06	6227205
			Dilution Factor: 2				
			Analysis Time...: 13:35				
Sulfate			WO#:		JA7VL1CU-MS/JA7VL1CV-MSD MS Lot-Sample #:	D6H110363-001	
	110	(80 - 120)			MCAWW 300.0A	08/11-08/12/06	6227301
	107	(80 - 120)	1.3	(0-20)	MCAWW 300.0A	08/11-08/12/06	6227301
			Dilution Factor: 5				
			Analysis Time...: 09:41				
Sulfate			WO#:		JA83W1CT-MS/JA83W1CU-MSD MS Lot-Sample #:	D6H120164-002	
	107	(85 - 115)			MCAWW 300.0A	08/11-08/12/06	6227206
	107	(85 - 115)	0.21	(0-20)	MCAWW 300.0A	08/11-08/12/06	6227206
			Dilution Factor: 20				
			Analysis Time...: 14:41				

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

\* Relative percent difference (RPD) is outside stated control limits.

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/10/06 12:30 Date Received...: 08/12/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: JA6AH1AT-MS/JA6AH1AU-MSD MS Lot-Sample #: D6H110168-001						
	ND	5.00	5.03	mg/L	98		MCAWW 300.0A	08/11/06	6226496
	ND	5.00	4.95	mg/L	97	1.5	MCAWW 300.0A	08/11/06	6226496
			Dilution Factor: 1						
			Analysis Time...: 13:40						
Bromide			WO#: JA7VL1CP-MS/JA7VL1CQ-MSD MS Lot-Sample #: D6H110363-001						
	ND	5.00	4.37	mg/L	85		MCAWW 300.0A	08/11/06	6227302
	ND	5.00	3.83 N	mg/L	74	13	MCAWW 300.0A	08/11/06	6227302
			Dilution Factor: 1						
			Analysis Time...: 23:23						
Chloride			WO#: JA2MT1CK-MS/JA2MT1CL-MSD MS Lot-Sample #: D6H100170-003						
	72	50.0	121	mg/L	99		MCAWW 300.0A	08/15/06	6228062
	72	50.0	122	mg/L	101	0.54	MCAWW 300.0A	08/15/06	6228062
			Dilution Factor: 2						
			Analysis Time...: 18:11						
Chloride			WO#: JA7VL1CK-MS/JA7VL1CL-MSD MS Lot-Sample #: D6H110363-001						
	26	25.0	50.0 I	mg/L	96		MCAWW 300.0A	08/11/06	6227297
	26	25.0	47.1	mg/L	85	6.1	MCAWW 300.0A	08/11/06	6227297
			Dilution Factor: 1						
			Analysis Time...: 23:23						
Chloride			WO#: JA83W1CE-MS/JA83W1CF-MSD MS Lot-Sample #: D6H120164-002						
	840	500	1360	mg/L	105		MCAWW 300.0A	08/11-08/12/06	6227204
	840	500	1370	mg/L	106	0.60	MCAWW 300.0A	08/11-08/12/06	6227204
			Dilution Factor: 20						
			Analysis Time...: 14:41						
Fluoride			WO#: JA6AH1AQ-MS/JA6AH1AR-MSD MS Lot-Sample #: D6H110168-001						
	ND	5.00	5.19	mg/L	95		MCAWW 300.0A	08/11/06	6226502
	ND	5.00	5.08	mg/L	93	2.2	MCAWW 300.0A	08/11/06	6226502
			Dilution Factor: 1						
			Analysis Time...: 13:40						
Fluoride			WO#: JA7VL1CH-MS/JA7VL1CJ-MSD MS Lot-Sample #: D6H110363-001						
	1.2	5.00	5.37	mg/L	84		MCAWW 300.0A	08/11/06	6227298
	1.2	5.00	4.96 N	mg/L	76	7.9	MCAWW 300.0A	08/11/06	6227298
			Dilution Factor: 1						
			Analysis Time...: 23:23						

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H110363

Matrix.....: WATER

Date Sampled...: 08/10/06 12:30 Date Received...: 08/12/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate									
WO#: JA7VL1CR-MS/JA7VL1CT-MSD MS Lot-Sample #: D6H110363-001									
	0.60	5.00	4.58 N	mg/L	79		MCAWW 300.0A	08/11/06	6227299
	0.60	5.00	4.04 N	mg/L	69	12	MCAWW 300.0A	08/11/06	6227299
Dilution Factor: 1									
Analysis Time...: 23:23									
Nitrite									
WO#: JA7VL1CM-MS/JA7VL1CN-MSD MS Lot-Sample #: D6H110363-001									
	ND	4.00	4.25	mg/L	106		MCAWW 300.0A	08/11/06	6227300
	ND	4.00	3.74	mg/L	93	13	MCAWW 300.0A	08/11/06	6227300
Dilution Factor: 1									
Analysis Time...: 23:23									
Nitrite									
WO#: JA83W1CH-MS/JA83W1CJ-MSD MS Lot-Sample #: D6H120164-002									
	ND	10.0	11.3	mg/L	113		MCAWW 300.0A	08/11-08/12/06	6227205
	ND	10.0	8.52 *	mg/L	85	28	MCAWW 300.0A	08/11-08/12/06	6227205
Dilution Factor: 2									
Analysis Time...: 13:35									
Sulfate									
WO#: JA7VL1CU-MS/JA7VL1CV-MSD MS Lot-Sample #: D6H110363-001									
	130	125	264	mg/L	110		MCAWW 300.0A	08/11-08/12/06	6227301
	130	125	260	mg/L	107	1.3	MCAWW 300.0A	08/11-08/12/06	6227301
Dilution Factor: 5									
Analysis Time...: 09:41									
Sulfate									
WO#: JA83W1CT-MS/JA83W1CU-MSD MS Lot-Sample #: D6H120164-002									
	470	500	1000	mg/L	107		MCAWW 300.0A	08/11-08/12/06	6227206
	470	500	1010	mg/L	107	0.21	MCAWW 300.0A	08/11-08/12/06	6227206
Dilution Factor: 20									
Analysis Time...: 14:41									

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

\* Relative percent difference (RPD) is outside stated control limits.

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA50X-SMP

Matrix.....: WATER

JA50X-DUP

Date Sampled...: 08/10/06 10:15

Date Received...: 08/11/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.2	8.2	No Units	0.0	(0-5.0)	MCAWW 150.1	08/11/06	6223570
			Dilution Factor: 1		Analysis Time...: 17:37			

SD Lot-Sample #: D6H110149-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA69V-SMP  
JA69V-DUP

Matrix.....: WATER

Date Sampled...: 08/10/06 14:30 Date Received...: 08/11/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.3	8.3	No Units	0.12	(0-5.0)	MCAWW 150.1	08/11/06	6223570
				Dilution Factor: 1	Analysis Time...: 17:57			

SD Lot-Sample #: D6H110277-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA7RP-SMP  
JA7RP-DUP

Matrix.....: WATER

Date Sampled...: 08/10/06 16:00 Date Received...: 08/11/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	5.6	5.6	No Units	0.18	(0-5.0)	MCAWW 150.1	08/11/06	6223572
			Dilution Factor: 1		Analysis Time...: 19:50			

SD Lot-Sample #: D6H110347-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA7V0-SMP

Matrix.....: WATER

JA7V0-DUP

Date Sampled...: 08/09/06 11:15

Date Received...: 08/11/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H110363-005		
Solids	910	900	mg/L	1.8	(0-20)	MCAWW 160.1	08/14/06	6226395
			Dilution Factor: 1			Analysis Time...: 11:00		

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA7XF-SMP  
JA7XF-DUP

Matrix.....: WATER

Date Sampled...: 08/09/06 13:16

Date Received...: 08/11/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H110363-023		
Solids	990	1000	mg/L	1.1	(0-20)	MCAWW 160.1	08/14/06	6226396
			Dilution Factor: 1			Analysis Time...: 11:00		

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H110363

Work Order #...: JA83W-SMP  
JA83W-DUP

Matrix.....: WATER

Date Sampled...: 08/10/06 12:30

Date Received...: 08/12/06

PARAM RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride					SD Lot-Sample #: D6H120164-002		
840	800	mg/L	4.5	(0-20)	MCAWW 300.0A	08/11/06	6227204
		Dilution Factor: 20			Analysis Time...: 14:08		
Nitrite					SD Lot-Sample #: D6H120164-002		
ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	08/11-08/12/06	6227205
		Dilution Factor: 2			Analysis Time...: 12:11		
Sulfate					SD Lot-Sample #: D6H120164-002		
470	440	mg/L	5.7	(0-20)	MCAWW 300.0A	08/11-08/12/06	6227206
		Dilution Factor: 20			Analysis Time...: 14:08		

Chain of Custody Record

SEVERN  
TRENT

STL

Severn Trent Laboratories, Inc.

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client: S.S. Papadopoulos & Associates/CoCC Project Manager: Bryan Grigsby Date: 8/11/2006 Chain of Custody Number: 336519

Address: 1877 Broadway Suite 703 Telephone Number (Area Code)/Fax Number: 303-939-8880 Lab Number: 303-736-0100 Page: 1 of 2

City: Boulder State: CO Zip Code: 80303 Site Contact: C. Pearcy Lab Contact: Mike Phillips Analysis (Attach list if more space is needed)

Project Name and Location (State): Barfield Co Weeds / Gas Sampling Carrier/Maybill Number: SSP-1049

Contract/Purchase Order/Quote No.: 109286

Sample I.D. No. and Description (Containers for each sample may be combined on one line)

White-6591w-6 / 1L Poly	8/8/06	10:00	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Possible Hazard Identification: Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ 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 \_\_\_\_\_

1. Relinquished By: Christine Pearcy Date: 8/11/06 Time: 16:30

2. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

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

# Chain of Custody Record

**SEVERN TRENT**  
**STL**  
Sewern Trent Laboratories, Inc.

**STL Denver**  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0901)

Client <b>S.S. Papadopoulos &amp; Associates/ECOC</b>		Project Manager <b>Bryan Griashy</b>		Date <b>8/11/06</b>	Chain of Custody Number <b>336520</b>
Address <b>1877 Broadway Suite 703</b>		Telephone Number (Area Code)/Fax Number <b>303-939-8888</b>		Lab Number <b>303-736-6100</b>	Page <b>4</b> of <b>2</b>
City <b>Boulder</b>	State <b>CO</b>	Zip Code <b>80303</b>	Site Contact <b>C. Parry</b>	Lab Contact <b>Mike Phillips</b>	
Project Name and Location (State) <b>Garfield Co. Leach/Gas Sampling</b>			Carrier/Manifest Number <b>SSP-1049</b>	Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. <b>67286</b>					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						EPA-300.0	EPA-310.11 Sm	EPA-200.7	EPA-150.1	EPA-160.1	SW-8021	RSL-175	EPA-200.8	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH									ZnAc/NaOH
Marth-6S91w-5/12 Poly	8/7/06	12:26	X									X	X							
Marth-6S91w-5/300ml Poly	8/7/06	12:26	X									X								
Marth-6S91w-5/3-40ml VOA	8/7/06	12:36	X											X						
Marth-6S91w-5/3-40ml VOA	8/7/06	12:30	X													X				
Bellio2-5S91w-32/112 Poly	8/9/06	11:15	X										X							
Bellio2-5S91w-32/500ml Poly	8/9/06	11:15	X											X						
Bellio2-5S91w-32/3-40ml VOA	8/9/06	11:15	X												X					
Bellio2-5S91w-32/3-40ml VOA	8/9/06	11:15	X														X			
Trip Blank																				

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required		QC Requirements (Specify)			
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____					

1. Relinquished By <b>Christine Parry</b>	Date <b>8/11/06</b>	Time	1. Received By 	Date <b>8/11/06</b>	Time <b>16:30</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

3. 8. 2013

SEVERN  
TRENT  
Severn Trent

**STL Denver**  
4955 Yarrow Street  
Arvada, CO 80002

Chain of Custody Number  
**336505**

Page 1 of 3


Special Instructions/  
Conditions of Receipt

### Conditions of Receipt

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[illegible]

Date	Time
2/11/08	15:30

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

Chain of Custody Record

SEVERN  
TRENT  
STL  
STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

STL-4124 (0801)

Client S.S. Papadopoulos & Associates Inc/DOCC		Project Manager Bryan Grigsby		Date 8/11/06		Chain of Custody Number 336503	
Address 1877 Broadway Suite 703		Telephone Number (Area Code)/Fax Number 303-939-8880		Lab Number 303-939-8880		Page 2 of 3	
City Boulder		State CO		Zip Code 80302			
Project Name and Location (State) Garfield Co Water/Leas Sampling		Site Contact C. Percy		Lab Contact Mike Phillips			
Contract/Purchase Order/Quote No. 69286		Carrier/Trailer Number SSP-1049		Analysis (Attach list if more space is needed)			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date		Time		Matrix	
						Air	
						Aqueous	
						Sed.	
						Soil	
						Unpres.	
						H2SO4	
						HNO3	
						HCl	
						NaOH	
						ZnAc/ NaOH	
						EPA-300.0	
						EPA-310.11 Sm 230B	
						EPA-200.7	
						EPA-150.1	
						EPA-160.1	
						SW-8021	
						RSK-175	
						EPA-200.8	
Hinkle-6S92W-4D/3-40ml VOA		8/8/06		09:00		X	
Hinkle-6S92W-4D/3-40ml VOA		8/8/06		09:00		X	
Oliver-5S92W-26/1L Poly		8/8/06		14:30		X	
Oliver-5S92W-26/500ml Poly		8/8/06		14:30		X	
Oliver-5S92W-26/3-40ml VOA		8/8/06		14:30		X	
Oliver-5S92W-26/3-40ml VOA		8/8/06		14:30		X	
Walter-6S92W-4/1L Poly		8/8/06		16:30		X	
Walter-6S92W-4/500ml Poly		8/8/06		16:30		X	
Walter-6S92W-4/3-40ml VOA		8/8/06		16:30		X	
Walter-6S92W-4/3-40ml VOA		8/8/06		16:30		X	
Layman-5S92W-25/1L Poly		8/9/06		10:30		X	
Layman-5S92W-25/500ml Poly		8/9/06		10:30		X	
Possible Hazard Identification							
Non-Hazard		Flammable		Skin Irritant		Poison B	
Unknown		Return To Client		Disposal By Lab		Archive For	
Turn Around Time Required		24 Hours		48 Hours		7 Days	
		14 Days		21 Days		Other	
1. Relinquished By Christine Percy		Date 8/11/06		Time			
2. Relinquished By		Date		Time			
3. Relinquished By		Date		Time			
Comments							
1. Received By		Date		Time			
2. Received By		Date		Time			
3. Received By		Date		Time			

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

Chain of Custody Record

STL-4124 (0901)

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Client S.S. Papadopoulos and Associates/Assoc		Project Manager Bryan Grigsby		Date 8/11/2006	Chain of Custody Number 336517
Address 1877 Broadway Suite 703 B		Telephone Number (Area Code)/Fax Number 303-939-8880		Lab Number 303-736-0100	Page 1 of 2
City Boulder	State CO	Zip Code 80303	Site Contact C. Pearce	Lab Contact Mike Phillips	
Project Name and Location (State) Garfield Co Water/Eas Sampling			Carrier/Weight/Volume SSP-1047		
Contract/Purchase Order/Quote No. 109286					
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Matrix	Containers & Preservatives
Gueini-6S91W-5 / 12 Poly		8/7/06	10:50	X	EPA-300.0 EPA-310.11 Sm EPA-200.7 EPA-150.1 EPA-160.1 SW-8021 RSK-175 EPA-200.8
Gueini-6S91W-5 / 500ml Poly		8/7/06	10:50	X	
Gueini-6S91W-5 / 3-40ml VOA		8/7/06	10:50	X	
Gueini-6S91W-5 / 3-40ml VOA		8/7/06	10:50	X	
Armstrong-5S91W-30 / 12 Poly		8/7/06	17:00	X	
Armstrong-5S91W-30 / 500ml Poly		8/7/06	17:00	X	
Armstrong-5S91W-30 / 3-40ml VOA		8/7/06	17:00	X	
Armstrong-5S91W-30 / 3-40ml VOA		8/7/06	17:00	X	
Holman-6S91W-6 / 12 Poly		8/10/06	10:30	X	
Holman-6S91W-6 / 500ml Poly		8/10/06	10:30	X	
Holman-6S91W-6 / 3-40ml VOA		8/10/06	10:30	X	
Holman-6S91W-6 / 3-40ml VOA		8/10/06	10:30	X	

Possible Hazard Identification		Sample Disposal	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days
Turn Around Time Required		Other _____	
Relinquished By Christine Percy		Date 8/11/06	Time
Relinquished By		Date	Time
3. Relinquished By		Date	Time

QC Requirements (Specify)		Disposal By Lab		Archive For _____ Months	
1. Received By		2. Received By		3. Received By	
8/11/06		8/11/06		8/11/06	
16:30					

(A fee may be assessed if samples are retained longer than 1 month)

Chain of Custody Record

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Arvada, CO 80002

STL-4124 (0901)

Client <b>S.S. Papadopoulos and Associates/CoGCC</b>		Project Manager <b>Bryan Grishby</b>		Date <b>8/11/2006</b>		Chain of Custody Number <b>336518</b>	
Address <b>1877 Broadway Suite 703</b>		Telephone Number (Area Code)/Fax Number <b>303-938-8880</b>		Lab Number <b>363-736-0100</b>		Page <b>2</b> of <b>2</b>	
City <b>Boulder</b>		State <b>CO</b>		Zip Code <b>80303</b>		Site Contact <b>C. Parry</b>	
Project Name and Location (State) <b>Garfield Co Water/Gas Sampling</b>		Carrier/Waybill Number <b>SSP-1049</b>		Lab Contact <b>Mike Phillips</b>		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. <b>109286</b>		Matrix		Containers & Preservatives		Special Instructions/Conditions of Receipt	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date		Time		Air	
Moen-6S92w-6 / 1L Poly		8/10/06		09:00		X	
Moen-6S92w-6 / 500ml Poly		8/10/06		09:00		X	
Moen-6S92w-6 / 3-40ml VOA		8/10/06		09:00		X	
Moen-6S92w-6 / 3-40ml VOA		8/10/06		09:00		X	
Collector-5S91w-4 / 1L Poly		8/10/06		11:00		X	
Collector-5S91w-4 / 500ml Poly		8/10/06		11:00		X	
Collector-5S91w-4 / 3-40ml VOA		8/10/06		11:00		X	
Collector-5S91w-4 / 3-40ml VOA		8/10/06		11:00		X	
Collector-5S91w-4 / 3-40ml VOA		8/10/06		11:00		X	
Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)		(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Turn Around Time Required		24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____					
1. Relinquished By <b>Christine Parry</b>		Date <b>8/11/06</b>		Time		1. Received By <b>[Signature]</b>	
2. Relinquished By		Date		Time		2. Received By <b>[Signature]</b>	
3. Relinquished By		Date		Time		3. Received By	
Comments							

Chain of Custody Record

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STL-4124 (0901)

Client <b>S.S. Papadopoulos &amp; Associates/PC</b>		Project Manager <b>Bryan Griesby</b>		Date <b>8/11/06</b>	Chain of Custody Number <b>336515</b>		
Address <b>1877 Broadway Suite 703</b>		Telephone Number (Area Code)/Fax Number <b>303-935-8880</b>		Lab Number <b>303-736-0100</b>	Page <b>1</b> of <b>1</b>		
City <b>Boulder</b>	State <b>CO</b>	Zip Code <b>80302</b>	Site Contact <b>C. Peary</b>	Lab Contact <b>Mike Phillips</b>			
Project Name and Location (State) <b>Barfield Co. Water/Gas Sampling</b>			Carrier/Manifest Number <b>SSP-1045</b>				
Contract/Purchase Order/Quote No. <b>69286</b>							
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Matrix	Containers & Preservatives		
Walker-SS92W-25/1L Poly		8/9/06	18:45	X	FPA-300.6 EPA-310.11 Sm EPA-200.7 EPA-150.1 EPA-160.1 SW-8021 RSK-175 EPA-200.8		
Walker-SS92W-25/500ml Poly		8/9/06	18:45	X			
Walker-SS92W-25/3-40ml VOA		8/9/06	18:45	X			
Walker-SS92W-25/3-40ml VOA		8/9/06	18:45	X			
Bellio-6S92W-2/1L Poly		8/9/06	18:15	X			
Bellio-6S92W-2/500ml Poly		8/9/06	12:15	X			
Bellio-6S92W-2/3-40ml VOA		8/9/06	12:15	X			
Bellio-6S92W-2/3-40ml VOA		8/9/06	12:15	X			
Sam-SS91W-31/1L Poly		8/9/06	11:30	X			
Sam-SS91W-31/500ml Poly		8/9/06	11:30	X			
Sam-SS91W-31/3-40ml VOA		8/9/06	11:30	X			
Sam-SS91W-31/3-40ml VOA		8/9/06	11:30	X			
Possible Hazard Identification		Sample Disposal					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)					
Turn Around Time Required		QC Requirements (Specify)					
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____							
1. Relinquished By <b>Christie Peary</b>		Date <b>8/11/06</b>	Time	1. Received By <b>[Signature]</b>		Date <b>8/11/06</b>	Time <b>16:30</b>
2. Relinquished By		Date	Time	2. Received By		Date	Time
3. Relinquished By		Date	Time	3. Received By		Date	Time
Comments							

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Chain of Custody Number	336516
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Page 2 of \_\_\_\_\_

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Special Instructions/  
Conditions of Receipt

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Examples are retained

participants are retained

Time

1106	1630	Time
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Time

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## **ANALYTICAL REPORT**

**Garfield County Water/Gas Sampling**

**Lot D6H160420**

**Christine Pearcy**

**S. S. Papadopoulos & Associates, Inc.**  
1877 Broadway  
Suite 703  
Boulder, CO 80302-5245

**SEVERN TRENT LABORATORIES, INC. / STL DENVER**

A handwritten signature in cursive script that reads "Michael P. Phillips".

**Michael P. Phillips**  
**Project Manager**

**August 29, 2006**

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# Table Of Contents

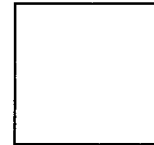
## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### **Standard Deliverables**

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



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

# **CASE NARRATIVE**

**D6H160420**

The following report contains the analytical results for eighteen samples submitted to STL Denver by S. S. Papadopoulos & Associates for the Garfield County Water/Gas Sampling Project. The samples were received August 16, 2006, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

STL Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

## **Supplemental QC Information**

### **Sample Arrival and Receipt**

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 5.8°C, 1.3°C, and 5.6°C.

STL uses a holding time of 24 hours for pH by Method 150.1 to allow for sample shipment. However, the analysis for pH by Method 150.1 should be performed in the field immediately following sampling. All of the analyses for pH were performed by the lab outside of STL's holding time of 24 hours. In addition, many of the Nitrate and Nitrite analyses by Method 300.0A were performed outside the holding time of 48 hours due to the samples arriving at the lab past the holding time. The client was notified on August 17, 2006, and the lab was advised to proceed with the analyses.

No other anomalies were observed.

### **BTEX / MTBE, SW846 Method 8021B**

No anomalies were observed.

### **Dissolved Methane, RSK SOP-175**

No MS/MSD could be performed due to insufficient sample volume for batch 6233445; however, a LCS/LCSD pair was analyzed to demonstrate method precision.

No other anomalies were observed.

### **Total Metals, EPA Method 200.8**

Samples BARRIE-5S92W-35, WARD-5S92W-32, PATR-5S92W-28, and BROW-5S92W-32 required dilutions due to matrix interferences. The reporting limits have been adjusted relative to the dilutions required.

No other anomalies were observed.

### **Major Cation, EPA Method 200.7**

For batch 6229505, the percent recoveries for the MS/MSD and the relative percent difference performed using sample ALESSANDRO-6S92W-1 were not calculated for Sodium because the sample concentration was greater than four times the spike amount. Because the associated Laboratory Control Sample and Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

No other anomalies were observed.

### **Major Anions, EPA Method 300.0**

All of the samples required dilutions for one or more of the Major Anions due to the high concentrations of the target analytes in the samples or matrix interferences. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" or "G" in the report.

The MSMSD recoveries for Sulfate in batch 6240167 performed using a sample from another client and/or lot were within the control limits but were estimated results because the measured concentrations exceeded the calibration range.

No other anomalies were observed.

### **Alkalinity, pH, and Total Dissolved Solids, EPA Methods 310.1, 150.1, and 160.1**

Samples BARRIE-5S92W-35 and BROW-5S92W-32 required dilutions for Total Dissolved Solids due to the high concentrations of the target analyte in the samples. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" in the report.

No other anomalies were observed.

## EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>ALESSANDRO-6S92W-1 08/14/06 11:15 001</b>				
Calcium	38000	200	ug/L	MCAWW 200.7
Iron	240	100	ug/L	MCAWW 200.7
Magnesium	16000	200	ug/L	MCAWW 200.7
Sodium	380000	5000	ug/L	MCAWW 200.7
Barium	11	1.0	ug/L	MCAWW 200.8
Manganese	31	1.0	ug/L	MCAWW 200.8
Selenium	30	5.0	ug/L	MCAWW 200.8
pH	7.9	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Chloride	25	3.0	mg/L	MCAWW 300.0A
Sulfate	430 Q	50	mg/L	MCAWW 300.0A
Fluoride	2.5	0.50	mg/L	MCAWW 300.0A
Nitrate	0.81	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	470	5.0	mg/L	MCAWW 310.1
<b>SPAULDING-5S92W-34 08/14/06 16:30 002</b>				
Calcium	14000	200	ug/L	MCAWW 200.7
Magnesium	4300	200	ug/L	MCAWW 200.7
Sodium	370000	5000	ug/L	MCAWW 200.7
Barium	11	1.0	ug/L	MCAWW 200.8
Selenium	31	5.0	ug/L	MCAWW 200.8
pH	8.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1000	10	mg/L	MCAWW 160.1
Solids				
Chloride	13	3.0	mg/L	MCAWW 300.0A
Sulfate	460 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.96	0.50	mg/L	MCAWW 300.0A
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	360	5.0	mg/L	MCAWW 310.1
<b>BARRIE-5S92W-35 08/14/06 18:30 003</b>				
Calcium	5600	200	ug/L	MCAWW 200.7
Iron	160	100	ug/L	MCAWW 200.7
Magnesium	320	200	ug/L	MCAWW 200.7
Potassium	49000	3000	ug/L	MCAWW 200.7
Sodium	1400000	5000	ug/L	MCAWW 200.7
Barium	18	2.0	ug/L	MCAWW 200.8
Manganese	4.3	2.0	ug/L	MCAWW 200.8
Selenium	98	10	ug/L	MCAWW 200.8
pH	8.0	0.10	No Units	MCAWW 150.1

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>BARRIE-5S92W-35 08/14/06 18:30 003</b>				
Total Dissolved Solids	3400 Q	20	mg/L	MCAWW 160.1
Chloride	930 Q	150	mg/L	MCAWW 300.0A
Sulfate	1100 Q	250	mg/L	MCAWW 300.0A
Fluoride	2.1 G	1.0	mg/L	MCAWW 300.0A
Nitrate	11 Q	1.0	mg/L	MCAWW 300.0A
Bromide	1.5 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	310	5.0	mg/L	MCAWW 310.1
<b>WARD-5S92W-32 08/15/06 11:10 004</b>				
Calcium	58000	200	ug/L	MCAWW 200.7
Magnesium	10000	200	ug/L	MCAWW 200.7
Sodium	460000	5000	ug/L	MCAWW 200.7
Barium	11	2.0	ug/L	MCAWW 200.8
Manganese	7.0	2.0	ug/L	MCAWW 200.8
Selenium	44	10	ug/L	MCAWW 200.8
pH	8.0	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1500	10	mg/L	MCAWW 160.1
Chloride	78 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	690 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.95	0.50	mg/L	MCAWW 300.0A
Nitrate	18 Q	1.0	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	240	5.0	mg/L	MCAWW 310.1
<b>THOMAS-5S92W-26 08/15/06 13:30 005</b>				
Calcium	130000	200	ug/L	MCAWW 200.7
Magnesium	56000	200	ug/L	MCAWW 200.7
Sodium	150000	5000	ug/L	MCAWW 200.7
Barium	19	1.0	ug/L	MCAWW 200.8
Manganese	1.1	1.0	ug/L	MCAWW 200.8
Selenium	12	5.0	ug/L	MCAWW 200.8
pH	7.4	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1
Chloride	19	3.0	mg/L	MCAWW 300.0A
Sulfate	300 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.66	0.50	mg/L	MCAWW 300.0A
Nitrate	0.64	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	520	5.0	mg/L	MCAWW 310.1

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>GULLY VENTURES-6S92W-9 08/15/06 17:30 007</b>				
Calcium	110000	200	ug/L	MCAWW 200.7
Magnesium	65000	200	ug/L	MCAWW 200.7
Potassium	3300	3000	ug/L	MCAWW 200.7
Sodium	230000	5000	ug/L	MCAWW 200.7
Barium	16	1.0	ug/L	MCAWW 200.8
Manganese	1.2	1.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	1200	10	mg/L	MCAWW 160.1
Solids				
Chloride	55 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	460 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.58	0.50	mg/L	MCAWW 300.0A
Nitrate	0.75	0.50	mg/L	MCAWW 300.0A
Bromide	0.20	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	440	5.0	mg/L	MCAWW 310.1
<b>RUSCH-6S92W-3 08/15/06 19:35 008</b>				
Calcium	110000	200	ug/L	MCAWW 200.7
Magnesium	49000	200	ug/L	MCAWW 200.7
Sodium	260000	5000	ug/L	MCAWW 200.7
Barium	15	1.0	ug/L	MCAWW 200.8
Manganese	1.6	1.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1300	10	mg/L	MCAWW 160.1
Solids				
Chloride	87 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	530 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.68	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	390	5.0	mg/L	MCAWW 310.1
<b>PRADO-6S93W-2 08/14/06 10:30 009</b>				
Calcium	93000	200	ug/L	MCAWW 200.7
Magnesium	84000	200	ug/L	MCAWW 200.7
Sodium	240000	5000	ug/L	MCAWW 200.7
Barium	16	1.0	ug/L	MCAWW 200.8
Manganese	1.0	1.0	ug/L	MCAWW 200.8
Selenium	9.4	5.0	ug/L	MCAWW 200.8
pH	8.4	0.10	No Units	MCAWW 150.1
Total Dissolved	1300	10	mg/L	MCAWW 160.1
Solids				

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PRADO-6S93W-2 08/14/06 10:30 009				
Carbonate, as CaCO <sub>3</sub>	5.0	5.0	mg/L	MCAWW 310.1
Chloride	24	3.0	mg/L	MCAWW 300.0A
Sulfate	640 Q	100	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO <sub>3</sub>	370	5.0	mg/L	MCAWW 310.1
COPE-6S93W-11 08/14/06 12:30 010				
Calcium	90000	200	ug/L	MCAWW 200.7
Magnesium	49000	200	ug/L	MCAWW 200.7
Potassium	4400	3000	ug/L	MCAWW 200.7
Sodium	360000	5000	ug/L	MCAWW 200.7
Barium	23	1.0	ug/L	MCAWW 200.8
Manganese	570	1.0	ug/L	MCAWW 200.8
Selenium	7.4	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	1400	10	mg/L	MCAWW 160.1
Chloride	160 Q	30	mg/L	MCAWW 300.0A
Sulfate	420 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.71	0.50	mg/L	MCAWW 300.0A
Nitrate	2.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.32	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO <sub>3</sub>	510	5.0	mg/L	MCAWW 310.1
MGD-6S93W-11 08/14/06 15:00 011				
Calcium	170000	200	ug/L	MCAWW 200.7
Magnesium	100000	200	ug/L	MCAWW 200.7
Potassium	5300	3000	ug/L	MCAWW 200.7
Sodium	480000	5000	ug/L	MCAWW 200.7
Barium	14	1.0	ug/L	MCAWW 200.8
Manganese	710	1.0	ug/L	MCAWW 200.8
Selenium	8.1	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved Solids	2300	10	mg/L	MCAWW 160.1
Chloride	150 Q	15	mg/L	MCAWW 300.0A
Sulfate	1100 Q	250	mg/L	MCAWW 300.0A
Fluoride	1.3 G	1.0	mg/L	MCAWW 300.0A
Nitrate	1.3 Q	1.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO <sub>3</sub>	480	5.0	mg/L	MCAWW 310.1

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>KRIZ-6S93W-10 08/14/06 16:30 013</b>				
Calcium	47000	200	ug/L	MCAWW 200.7
Iron	6500	100	ug/L	MCAWW 200.7
Magnesium	16000	200	ug/L	MCAWW 200.7
Potassium	5500	3000	ug/L	MCAWW 200.7
Sodium	560000	5000	ug/L	MCAWW 200.7
Arsenic	25	5.0	ug/L	MCAWW 200.8
Barium	220	1.0	ug/L	MCAWW 200.8
Chromium	3.7	3.0	ug/L	MCAWW 200.8
Lead	4.1	1.0	ug/L	MCAWW 200.8
Manganese	74	1.0	ug/L	MCAWW 200.8
pH	8.0	0.10	No Units	MCAWW 150.1
Total Dissolved	1800	10	mg/L	MCAWW 160.1
Solids				
Chloride	240 Q	60	mg/L	MCAWW 300.0A
Sulfate	840 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.52	0.50	mg/L	MCAWW 300.0A
Bromide	0.33	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	250	5.0	mg/L	MCAWW 310.1
<b>FIELDS-6S93W-1 08/14/06 20:15 014</b>				
Calcium	100000	200	ug/L	MCAWW 200.7
Magnesium	69000	200	ug/L	MCAWW 200.7
Potassium	4700	3000	ug/L	MCAWW 200.7
Sodium	350000	5000	ug/L	MCAWW 200.7
Barium	24	1.0	ug/L	MCAWW 200.8
Manganese	350	1.0	ug/L	MCAWW 200.8
Selenium	12	5.0	ug/L	MCAWW 200.8
pH	7.5	0.10	No Units	MCAWW 150.1
Total Dissolved	1500	10	mg/L	MCAWW 160.1
Solids				
Chloride	150 Q	15	mg/L	MCAWW 300.0A
Sulfate	540 Q	100	mg/L	MCAWW 300.0A
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A
Nitrate	6.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.40	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	510	5.0	mg/L	MCAWW 310.1
<b>TYB-6S93W-3 08/15/06 10:30 015</b>				
Calcium	150000	200	ug/L	MCAWW 200.7
Magnesium	99000	200	ug/L	MCAWW 200.7
Sodium	110000	5000	ug/L	MCAWW 200.7

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
<b>TYB-6S93W-3 08/15/06 10:30 015</b>				
Barium	16	1.0	ug/L	MCAWW 200.8
Selenium	7.5	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1300	10	mg/L	MCAWW 160.1
Solids				
Chloride	18	3.0	mg/L	MCAWW 300.0A
Sulfate	560 Q	100	mg/L	MCAWW 300.0A
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	440	5.0	mg/L	MCAWW 310.1
<b>SILLS-5S93W-36 08/15/06 13:00 016</b>				
Calcium	27000	200	ug/L	MCAWW 200.7
Iron	140	100	ug/L	MCAWW 200.7
Magnesium	33000	200	ug/L	MCAWW 200.7
Sodium	740000	5000	ug/L	MCAWW 200.7
Barium	6.1	1.0	ug/L	MCAWW 200.8
Manganese	8.8	1.0	ug/L	MCAWW 200.8
Selenium	7.3	5.0	ug/L	MCAWW 200.8
pH	8.1	0.10	No Units	MCAWW 150.1
Total Dissolved	2200	10	mg/L	MCAWW 160.1
Solids				
Chloride	42 G	6.0	mg/L	MCAWW 300.0A
Sulfate	1000 Q	250	mg/L	MCAWW 300.0A
Fluoride	1.5 G	1.0	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	620	5.0	mg/L	MCAWW 310.1
<b>PATR-5S92W-28 08/15/06 16:45 017</b>				
Calcium	63000	200	ug/L	MCAWW 200.7
Iron	200	100	ug/L	MCAWW 200.7
Magnesium	71000	200	ug/L	MCAWW 200.7
Sodium	1200000	5000	ug/L	MCAWW 200.7
Barium	10	2.0	ug/L	MCAWW 200.8
Manganese	5.0	2.0	ug/L	MCAWW 200.8
Selenium	67	10	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved	3700	10	mg/L	MCAWW 160.1
Solids				
Chloride	490 Q	30	mg/L	MCAWW 300.0A
Sulfate	1700 Q	250	mg/L	MCAWW 300.0A
Fluoride	1.5 G	1.0	mg/L	MCAWW 300.0A

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## EXECUTIVE SUMMARY - Detection Highlights

D6H160420

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PATR-5S92W-28 08/15/06 16:45 017				
Nitrate	1.6 G	1.0	mg/L	MCAWW 300.0A
Bromide	0.62 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	630	5.0	mg/L	MCAWW 310.1
BROW-5S92W-32 08/15/06 18:15 018				
Calcium	130000	200	ug/L	MCAWW 200.7
Magnesium	65000	200	ug/L	MCAWW 200.7
Potassium	7200	3000	ug/L	MCAWW 200.7
Sodium	1300000	5000	ug/L	MCAWW 200.7
Arsenic	10	10	ug/L	MCAWW 200.8
Barium	9.0	2.0	ug/L	MCAWW 200.8
Lead	2.2	2.0	ug/L	MCAWW 200.8
Manganese	270	2.0	ug/L	MCAWW 200.8
Selenium	220	10	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	4200 Q	20	mg/L	MCAWW 160.1
Solids				
Chloride	330 Q	30	mg/L	MCAWW 300.0A
Sulfate	1900 Q	250	mg/L	MCAWW 300.0A
Nitrate	53 Q	25	mg/L	MCAWW 300.0A
Bromide	1.9 G	0.40	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	630	5.0	mg/L	MCAWW 310.1

## METHODS SUMMARY

D6H160420

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
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	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7
ICP-Mass Spectrometry ICP-Mass Spectrometry	MCAWW 200.8	MCAWW 200.8
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Volatiles by GC	SW846 8021B	SW846 5030

### 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

D6H160420

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Christopher Grisdale	009582
MCAWW 200.7	Janel Motichka	2862
MCAWW 200.8	Thomas Lill	006929
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Dave Elkin	000901
RSK SOP-175	Adam Pavlakovich	003128
SW846 8021B	Adam Pavlakovich	003128

### 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

D6H160420

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JCHPJ	001	ALESSANDRO-6S92W-1	08/14/06	11:15
JCHPN	002	SPAULDING-5S92W-34	08/14/06	16:30
JCHPP	003	BARRIE-5S92W-35	08/14/06	18:30
JCHPQ	004	WARD-5S92W-32	08/15/06	11:10
JCHPT	005	THOMAS-5S92W-26	08/15/06	13:30
JCHPV	006	THOMAS-5S92W-26-DUP	08/15/06	13:30
JCHPW	007	GULLY VENTURES-6S92W-9	08/15/06	17:30
JCHPX	008	RUSCH-6S92W-3	08/15/06	19:35
JCHP0	009	PRADO-6S93W-2	08/14/06	10:30
JCHP2	010	COPE-6S93W-11	08/14/06	12:30
JCHP4	011	MGD-6S93W-11	08/14/06	15:00
JCHP6	012	MGD-6S93W-11-D	08/14/06	15:00
JCHP9	013	KRIZ-6S93W-10	08/14/06	16:30
JCHQA	014	FIELDS-6S93W-1	08/14/06	20:15
JCHQF	015	TYB-6S93W-3	08/15/06	10:30
JCHQH	016	SILLS-5S93W-36	08/15/06	13:00
JCHQJ	017	PATR-5S92W-28	08/15/06	16:45
JCHQK	018	BROW-5S92W-32	08/15/06	18:15

## 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.

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ALESSANDRO-6S92W-1

GC Volatiles

Lot-Sample #....: D6H160420-001    Work Order #....: JCHPJ1A3    Matrix.....: WATER  
Date Sampled....: 08/14/06 11:15    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:24  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SPAULDING-5S92W-34

GC Volatiles

Lot-Sample #....: D6H160420-002    Work Order #....: JCHPN1AE    Matrix.....: WATER  
Date Sampled....: 08/14/06 16:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:29  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BARRIE-5S92W-35

GC Volatiles

Lot-Sample #....: D6H160420-003    Work Order #....: JCHPP1AE    Matrix.....: WATER  
Date Sampled....: 08/14/06 18:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:34  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WARD-5S92W-32

GC Volatiles

Lot-Sample #....: D6H160420-004    Work Order #....: JCHPQ1AE    Matrix.....: WATER  
Date Sampled....: 08/15/06 11:10    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:39  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: THOMAS-5S92W-26

GC Volatiles

Lot-Sample #....: D6H160420-005    Work Order #....: JCHPT1AE    Matrix.....: WATER  
Date Sampled....: 08/15/06 13:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:44  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: THOMAS-5S92W-26-DUP

GC Volatiles

Lot-Sample #....: D6H160420-006    Work Order #....: JCHPV1AC    Matrix.....: WATER  
Date Sampled....: 08/15/06 13:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 10:49  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GULLY VENTURES-6S92W-9

GC Volatiles

Lot-Sample #...: D6H160420-007    Work Order #...: JCHPW1AE    Matrix.....: WATER  
Date Sampled...: 08/15/06 17:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 10:54  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: RUSCH-6S92W-3

GC Volatiles

Lot-Sample #...: D6H160420-008    Work Order #...: JCHPX1AE    Matrix.....: WATER  
Date Sampled...: 08/15/06 19:35    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 10:59  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PRADO-6S93W-2

GC Volatiles

Lot-Sample #...: D6H160420-009    Work Order #...: JCHP01AE    Matrix.....: WATER  
Date Sampled...: 08/14/06 10:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 11:19  
Dilution Factor: 1  
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COPE-6S93W-11

GC Volatiles

Lot-Sample #....: D6H160420-010    Work Order #....: JCHP21AE    Matrix.....: WATER  
Date Sampled....: 08/14/06 12:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 11:24  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MGD-6S93W-11

GC Volatiles

Lot-Sample #...: D6H160420-011    Work Order #...: JCHP41AE    Matrix.....: WATER  
Date Sampled...: 08/14/06 15:00    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 11:29  
Dilution Factor: 1  
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MGD-6S93W-11-D

GC Volatiles

Lot-Sample #...: D6H160420-012    Work Order #...: JCHP61AC    Matrix.....: WATER  
Date Sampled...: 08/14/06 15:00    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 11:34  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: KRIZ-6S93W-10

GC Volatiles

Lot-Sample #....: D6H160420-013    Work Order #....: JCHP91AE    Matrix.....: WATER  
Date Sampled....: 08/14/06 16:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 11:38  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FIELDS-6S93W-1

GC Volatiles

Lot-Sample #...: D6H160420-014    Work Order #...: JCHQA1AE    Matrix.....: WATER  
Date Sampled...: 08/14/06 20:15    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 11:43  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TYB-6S93W-3

GC Volatiles

Lot-Sample #....: D6H160420-015    Work Order #....: JCHQF1AE    Matrix.....: WATER  
Date Sampled....: 08/15/06 10:30    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 11:48  
Dilution Factor: 1

Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SILLIS-5S93W-36

GC Volatiles

Lot-Sample #....: D6H160420-016    Work Order #....: JCHQH1AE    Matrix.....: WATER  
Date Sampled....: 08/15/06 13:00    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 11:53  
Dilution Factor: 1  
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PATR-5S92W-28

GC Volatiles

Lot-Sample #....: D6H160420-017    Work Order #....: JCHQJ1AE    Matrix.....: WATER  
Date Sampled....: 08/15/06 16:45    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233445    Analysis Time...: 11:58  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BROW-5S92W-32

GC Volatiles

Lot-Sample #...: D6H160420-018    Work Order #...: JCHQK1AE    Matrix.....: WATER  
Date Sampled...: 08/15/06 18:15    Date Received...: 08/16/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #...: 6233445    Analysis Time...: 12:03  
Dilution Factor: 1  
Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ALESSANDRO-6S92W-1

GC Volatiles

Lot-Sample #....: D6H160420-001    Work Order #....: JCHPJ1AM    Matrix.....: WATER  
Date Sampled....: 08/14/06 11:15    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 11:52  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SPAULDING-5S92W-34

GC Volatiles

Lot-Sample #....: D6H160420-002    Work Order #....: JCHPN1AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 16:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 13:40  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BARRIE-5S92W-35

GC Volatiles

Lot-Sample #...: D6H160420-003    Work Order #...: JCHPP1AR    Matrix.....: WATER  
Date Sampled...: 08/14/06 18:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #...: 6237251    Analysis Time...: 14:15  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: WARD-5S92W-32

GC Volatiles

Lot-Sample #...: D6H160420-004    Work Order #...: JCHPQ1AR    Matrix.....: WATER  
Date Sampled...: 08/15/06 11:10    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #...: 6237251    Analysis Time...: 14:51  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: THOMAS-5S92W-26

GC Volatiles

Lot-Sample #....: D6H160420-005    Work Order #....: JCHPT1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 13:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 15:27  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: THOMAS-5S92W-26-DUP

GC Volatiles

Lot-Sample #....: D6H160420-006    Work Order #....: JCHPV1AA    Matrix.....: WATER  
Date Sampled....: 08/15/06 13:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 16:03  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GULLY VENTURES-6S92W-9

GC Volatiles

Lot-Sample #....: D6H160420-007    Work Order #....: JCHPW1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 17:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 16:39  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: RUSCH-6S92W-3

GC Volatiles

Lot-Sample #....: D6H160420-008    Work Order #....: JCHPX1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 19:35    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 17:15  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PRADO-6S93W-2

GC Volatiles

Lot-Sample #....: D6H160420-009    Work Order #....: JCHP01AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 10:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 18:26  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS	
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: COPE-6S93W-11

GC Volatiles

Lot-Sample #....: D6H160420-010    Work Order #....: JCHP21AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 12:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 19:02  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MGD-6S93W-11

GC Volatiles

Lot-Sample #....: D6H160420-011    Work Order #....: JCHP41AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 15:00    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 19:38  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: MGD-6S93W-11-D

GC Volatiles

Lot-Sample #....: D6H160420-012    Work Order #....: JCHP61AA    Matrix.....: WATER  
Date Sampled....: 08/14/06 15:00    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 20:13  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: KRIZ-6S93W-10

GC Volatiles

Lot-Sample #....: D6H160420-013    Work Order #....: JCHP91AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 16:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 20:49  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FIELDS-6S93W-1

GC Volatiles

Lot-Sample #....: D6H160420-014    Work Order #....: JCHQA1AR    Matrix.....: WATER  
Date Sampled....: 08/14/06 20:15    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 21:24  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TYB-6S93W-3

GC Volatiles

Lot-Sample #....: D6H160420-015    Work Order #....: JCHQF1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 10:30    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 22:00  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: SIIIS-5S93W-36

GC Volatiles

\* Lot-Sample #....: D6H160420-016 Work Order #....: JCHQH1AR Matrix.....: WATER  
Date Sampled....: 08/15/06 13:00 Date Received...: 08/16/06  
Prep Date.....: 08/23/06 Analysis Date...: 08/23/06  
Prep Batch #....: 6237251 Analysis Time...: 22:35  
Dilution Factor: 1

Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PATR-5S92W-28

GC Volatiles

Lot-Sample #....: D6H160420-017    Work Order #....: JCHQJ1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 16:45    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 23:11  
Dilution Factor: 1  
Method.....: SW846 8021B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: BROW-5S92W-32

GC Volatiles

Lot-Sample #....: D6H160420-018    Work Order #....: JCHQK1AR    Matrix.....: WATER  
Date Sampled....: 08/15/06 18:15    Date Received...: 08/16/06  
Prep Date.....: 08/23/06    Analysis Date...: 08/23/06  
Prep Batch #....: 6237251    Analysis Time...: 23:47  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	98	(85 - 115)

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ALESSANDRO-6S92W-1**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-001**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 11:15 Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AN
		Dilution Factor: 1		Analysis Time...: 04:29		
Barium	11	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AP
		Dilution Factor: 1		Analysis Time...: 04:29		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AQ
		Dilution Factor: 1		Analysis Time...: 04:29		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AR
		Dilution Factor: 1		Analysis Time...: 04:29		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AT
		Dilution Factor: 1		Analysis Time...: 04:29		
Manganese	31	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AU
		Dilution Factor: 1		Analysis Time...: 04:29		
Selenium	30	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPJ1AV
		Dilution Factor: 1		Analysis Time...: 04:29		
Prep Batch #...: 6229505						
Calcium	38000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPJ1AW
		Dilution Factor: 1		Analysis Time...: 15:58		
Iron	240	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPJ1AX
		Dilution Factor: 1		Analysis Time...: 15:58		
Magnesium	16000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPJ1A0
		Dilution Factor: 1		Analysis Time...: 15:58		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPJ1A1
		Dilution Factor: 1		Analysis Time...: 15:58		
Sodium	380000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPJ1A2
		Dilution Factor: 1		Analysis Time...: 15:58		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SPAULDING-5S92W-34**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-002**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 16:30    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1AT
		Dilution Factor: 1		Analysis Time...: 04:32		
Barium	11	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1AU
		Dilution Factor: 1		Analysis Time...: 04:32		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1AV
		Dilution Factor: 1		Analysis Time...: 04:32		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1AW
		Dilution Factor: 1		Analysis Time...: 04:32		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1AX
		Dilution Factor: 1		Analysis Time...: 04:32		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1A0
		Dilution Factor: 1		Analysis Time...: 04:32		
Selenium	31	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPN1A1
		Dilution Factor: 1		Analysis Time...: 04:32		
Prep Batch #...: 6229505						
Calcium	14000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPN1A2
		Dilution Factor: 1		Analysis Time...: 16:22		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPN1A3
		Dilution Factor: 1		Analysis Time...: 16:22		
Magnesium	4300	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPN1AA
		Dilution Factor: 1		Analysis Time...: 16:22		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPN1AC
		Dilution Factor: 1		Analysis Time...: 16:22		
Sodium	370000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPN1AD
		Dilution Factor: 1		Analysis Time...: 16:22		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BARRIE-5S92W-35**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-003**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 18:30    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1AT
		Dilution Factor: 2		Analysis Time...: 00:02		
Barium	18	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1AU
		Dilution Factor: 2		Analysis Time...: 00:02		
Cadmium	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1AV
		Dilution Factor: 2		Analysis Time...: 00:02		
Chromium	ND	6.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1AW
		Dilution Factor: 2		Analysis Time...: 00:02		
Lead	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1AX
		Dilution Factor: 2		Analysis Time...: 00:02		
Manganese	4.3	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1A0
		Dilution Factor: 2		Analysis Time...: 00:02		
Selenium	98	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPP1A1
		Dilution Factor: 2		Analysis Time...: 00:02		
Prep Batch #...: 6229505						
Calcium	5600	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPP1A2
		Dilution Factor: 1		Analysis Time...: 16:28		
Iron	160	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPP1A3
		Dilution Factor: 1		Analysis Time...: 16:28		
Magnesium	320	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPP1AA
		Dilution Factor: 1		Analysis Time...: 16:28		
Potassium	49000	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPP1AC
		Dilution Factor: 1		Analysis Time...: 16:28		
Sodium	1400000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPP1AD
		Dilution Factor: 1		Analysis Time...: 16:28		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: WARD-5S92W-32**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-004**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 11:10    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1AT
		Dilution Factor: 2		Analysis Time...: 00:05		
Barium	11	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1AU
		Dilution Factor: 2		Analysis Time...: 00:05		
Cadmium	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1AV
		Dilution Factor: 2		Analysis Time...: 00:05		
Chromium	ND	6.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1AW
		Dilution Factor: 2		Analysis Time...: 00:05		
Lead	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1AX
		Dilution Factor: 2		Analysis Time...: 00:05		
Manganese	7.0	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1A0
		Dilution Factor: 2		Analysis Time...: 00:05		
Selenium	44	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHPQ1A1
		Dilution Factor: 2		Analysis Time...: 00:05		
Prep Batch #...: 6229505						
Calcium	58000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPQ1A2
		Dilution Factor: 1		Analysis Time...: 16:34		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPQ1A3
		Dilution Factor: 1		Analysis Time...: 16:34		
Magnesium	10000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPQ1AA
		Dilution Factor: 1		Analysis Time...: 16:34		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPQ1AC
		Dilution Factor: 1		Analysis Time...: 16:34		
Sodium	460000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPQ1AD
		Dilution Factor: 1		Analysis Time...: 16:34		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: THOMAS-5S92W-26

## TOTAL Metals

Lot-Sample #...: D6H160420-005

Matrix.....: WATER

Date Sampled...: 08/15/06 13:30 Date Received...: 08/16/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #...: 6229494</b>						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1AT
		Dilution Factor: 1		Analysis Time...: 04:43		
Barium	19	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1AU
		Dilution Factor: 1		Analysis Time...: 04:43		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1AV
		Dilution Factor: 1		Analysis Time...: 04:43		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1AW
		Dilution Factor: 1		Analysis Time...: 04:43		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1AX
		Dilution Factor: 1		Analysis Time...: 04:43		
Manganese	1.1	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1A0
		Dilution Factor: 1		Analysis Time...: 04:43		
Selenium	12	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPT1A1
		Dilution Factor: 1		Analysis Time...: 04:43		
<b>Prep Batch #...: 6229505</b>						
Calcium	130000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPT1A2
		Dilution Factor: 1		Analysis Time...: 16:40		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPT1A3
		Dilution Factor: 1		Analysis Time...: 16:40		
Magnesium	56000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPT1AA
		Dilution Factor: 1		Analysis Time...: 16:40		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPT1AC
		Dilution Factor: 1		Analysis Time...: 16:40		
Sodium	150000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPT1AD
		Dilution Factor: 1		Analysis Time...: 16:40		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: GULLY VENTURES-6S92W-9**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-007**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 17:30 Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6229494</b>						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AT
		Dilution Factor: 1		Analysis Time...: 04:47		
Barium	16	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AU
		Dilution Factor: 1		Analysis Time...: 04:47		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AV
		Dilution Factor: 1		Analysis Time...: 04:47		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AW
		Dilution Factor: 1		Analysis Time...: 04:47		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AX
		Dilution Factor: 1		Analysis Time...: 04:47		
Manganese	1.2	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1AO
		Dilution Factor: 1		Analysis Time...: 04:47		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPW1A1
		Dilution Factor: 1		Analysis Time...: 04:47		
<b>Prep Batch #...: 6229505</b>						
Calcium	110000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPW1A2
		Dilution Factor: 1		Analysis Time...: 17:04		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPW1A3
		Dilution Factor: 1		Analysis Time...: 17:04		
Magnesium	65000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPW1AA
		Dilution Factor: 1		Analysis Time...: 17:04		
Potassium	3300	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPW1AC
		Dilution Factor: 1		Analysis Time...: 17:04		
Sodium	230000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPW1AD
		Dilution Factor: 1		Analysis Time...: 17:04		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: RUSCH-6S92W-3**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-008**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 19:35    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6229494</b>						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1AT
		Dilution Factor: 1		Analysis Time...: 04:58		
Barium	15	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1AU
		Dilution Factor: 1		Analysis Time...: 04:58		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1AV
		Dilution Factor: 1		Analysis Time...: 04:58		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1AW
		Dilution Factor: 1		Analysis Time...: 04:58		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1AX
		Dilution Factor: 1		Analysis Time...: 04:58		
Manganese	1.6	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1A0
		Dilution Factor: 1		Analysis Time...: 04:58		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHPX1A1
		Dilution Factor: 1		Analysis Time...: 04:58		
<b>Prep Batch #...: 6229505</b>						
Calcium	110000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPX1A2
		Dilution Factor: 1		Analysis Time...: 17:10		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPX1A3
		Dilution Factor: 1		Analysis Time...: 17:10		
Magnesium	49000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPX1AA
		Dilution Factor: 1		Analysis Time...: 17:10		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPX1AC
		Dilution Factor: 1		Analysis Time...: 17:10		
Sodium	260000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHPX1AD
		Dilution Factor: 1		Analysis Time...: 17:10		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PRADO-6S93W-2**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-009**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 10:30    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01AT
		Dilution Factor: 1		Analysis Time...: 05:01		
Barium	16	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01AU
		Dilution Factor: 1		Analysis Time...: 05:01		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01AV
		Dilution Factor: 1		Analysis Time...: 05:01		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01AW
		Dilution Factor: 1		Analysis Time...: 05:01		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01AX
		Dilution Factor: 1		Analysis Time...: 05:01		
Manganese	1.0	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01A0
		Dilution Factor: 1		Analysis Time...: 05:01		
Selenium	9.4	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP01A1
		Dilution Factor: 1		Analysis Time...: 05:01		
Prep Batch #...: 6229505						
Calcium	93000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP01A2
		Dilution Factor: 1		Analysis Time...: 17:16		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP01A3
		Dilution Factor: 1		Analysis Time...: 17:16		
Magnesium	84000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP01AA
		Dilution Factor: 1		Analysis Time...: 17:16		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP01AC
		Dilution Factor: 1		Analysis Time...: 17:16		
Sodium	240000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP01AD
		Dilution Factor: 1		Analysis Time...: 17:16		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: COPE-6S93W-11**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-010**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 12:30 Date Received...: 08/16/06**

		REPORTING			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21AT
		Dilution Factor: 1		Analysis Time...: 05:05		
Barium	23	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21AU
		Dilution Factor: 1		Analysis Time...: 05:05		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21AV
		Dilution Factor: 1		Analysis Time...: 05:05		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21AW
		Dilution Factor: 1		Analysis Time...: 05:05		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21AX
		Dilution Factor: 1		Analysis Time...: 05:05		
Manganese	570	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21A0
		Dilution Factor: 1		Analysis Time...: 05:05		
Selenium	7.4	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP21A1
		Dilution Factor: 1		Analysis Time...: 05:05		
Prep Batch #...: 6229505						
Calcium	90000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP21A2
		Dilution Factor: 1		Analysis Time...: 17:22		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP21A3
		Dilution Factor: 1		Analysis Time...: 17:22		
Magnesium	49000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP21AA
		Dilution Factor: 1		Analysis Time...: 17:22		
Potassium	4400	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP21AC
		Dilution Factor: 1		Analysis Time...: 17:22		
Sodium	360000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP21AD
		Dilution Factor: 1		Analysis Time...: 17:22		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MGD-6S93W-11**

**TOTAL Metals**

**Lot-Sample #....: D6H160420-011**

**Matrix.....: WATER**

**Date Sampled....: 08/14/06 15:00    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41AT
		Dilution Factor: 1		Analysis Time...: 05:08		
Barium	14	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41AU
		Dilution Factor: 1		Analysis Time...: 05:08		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41AV
		Dilution Factor: 1		Analysis Time...: 05:08		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41AW
		Dilution Factor: 1		Analysis Time...: 05:08		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41AX
		Dilution Factor: 1		Analysis Time...: 05:08		
Manganese	710	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41A0
		Dilution Factor: 1		Analysis Time...: 05:08		
Selenium	8.1	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHP41A1
		Dilution Factor: 1		Analysis Time...: 05:08		
Prep Batch #...: 6229505						
Calcium	170000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP41A2
		Dilution Factor: 1		Analysis Time...: 17:28		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP41A3
		Dilution Factor: 1		Analysis Time...: 17:28		
Magnesium	100000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP41AA
		Dilution Factor: 1		Analysis Time...: 17:28		
Potassium	5300	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP41AC
		Dilution Factor: 1		Analysis Time...: 17:28		
Sodium	480000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHP41AD
		Dilution Factor: 1		Analysis Time...: 17:28		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: KRIZ-6S93W-10**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-013**

**Matrix.....: WATER**

**Date Sampled...: 08/14/06 16:30 Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 6229494</b>						
<b>Arsenic</b>	<b>25</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91AT</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Barium</b>	<b>220</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91AU</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Cadmium</b>	<b>ND</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91AV</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Chromium</b>	<b>3.7</b>	<b>3.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91AW</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Lead</b>	<b>4.1</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91AX</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Manganese</b>	<b>74</b>	<b>1.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91A0</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Selenium</b>	<b>ND</b>	<b>5.0</b>	<b>ug/L</b>	<b>MCAWW 200.8</b>	<b>08/18-08/23/06</b>	<b>JCHP91A1</b>
		Dilution Factor: 1		Analysis Time...: 05:12		
<b>Prep Batch #...: 6229505</b>						
<b>Calcium</b>	<b>47000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/18-08/22/06</b>	<b>JCHP91A2</b>
		Dilution Factor: 1		Analysis Time...: 17:34		
<b>Iron</b>	<b>6500</b>	<b>100</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/18-08/22/06</b>	<b>JCHP91A3</b>
		Dilution Factor: 1		Analysis Time...: 17:34		
<b>Magnesium</b>	<b>16000</b>	<b>200</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/18-08/22/06</b>	<b>JCHP91AA</b>
		Dilution Factor: 1		Analysis Time...: 17:34		
<b>Potassium</b>	<b>5500</b>	<b>3000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/18-08/22/06</b>	<b>JCHP91AC</b>
		Dilution Factor: 1		Analysis Time...: 17:34		
<b>Sodium</b>	<b>560000</b>	<b>5000</b>	<b>ug/L</b>	<b>MCAWW 200.7</b>	<b>08/18-08/22/06</b>	<b>JCHP91AD</b>
		Dilution Factor: 1		Analysis Time...: 17:34		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: FIELDS-6S93W-1

## TOTAL Metals

Lot-Sample #...: D6H160420-014

Matrix.....: WATER

Date Sampled...: 08/14/06 20:15 Date Received...: 08/16/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1AT
		Dilution Factor: 1		Analysis Time...: 05:15		
Barium	24	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1AU
		Dilution Factor: 1		Analysis Time...: 05:15		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1AV
		Dilution Factor: 1		Analysis Time...: 05:15		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1AW
		Dilution Factor: 1		Analysis Time...: 05:15		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1AX
		Dilution Factor: 1		Analysis Time...: 05:15		
Manganese	350	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1A0
		Dilution Factor: 1		Analysis Time...: 05:15		
Selenium	12	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQA1A1
		Dilution Factor: 1		Analysis Time...: 05:15		
Prep Batch #...: 6229505						
Calcium	100000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQA1A2
		Dilution Factor: 1		Analysis Time...: 17:40		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQA1A3
		Dilution Factor: 1		Analysis Time...: 17:40		
Magnesium	69000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQA1AA
		Dilution Factor: 1		Analysis Time...: 17:40		
Potassium	4700	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQA1AC
		Dilution Factor: 1		Analysis Time...: 17:40		
Sodium	350000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQA1AD
		Dilution Factor: 1		Analysis Time...: 17:40		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TYB-6S93W-3**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-015**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 10:30 Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1AT
		Dilution Factor: 1		Analysis Time...: 05:19		
Barium	16	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1AU
		Dilution Factor: 1		Analysis Time...: 05:19		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1AV
		Dilution Factor: 1		Analysis Time...: 05:19		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1AW
		Dilution Factor: 1		Analysis Time...: 05:19		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1AX
		Dilution Factor: 1		Analysis Time...: 05:19		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1A0
		Dilution Factor: 1		Analysis Time...: 05:19		
Selenium	7.5	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQF1A1
		Dilution Factor: 1		Analysis Time...: 05:19		
Prep Batch #...: 6229505						
Calcium	150000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQF1A2
		Dilution Factor: 1		Analysis Time...: 17:46		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQF1A3
		Dilution Factor: 1		Analysis Time...: 17:46		
Magnesium	99000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQF1AA
		Dilution Factor: 1		Analysis Time...: 17:46		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQF1AC
		Dilution Factor: 1		Analysis Time...: 17:46		
Sodium	110000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQF1AD
		Dilution Factor: 1		Analysis Time...: 17:46		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SILLIS-5S93W-36**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-016**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 13:00    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AT
		Dilution Factor: 1		Analysis Time...: 05:23		
Barium	6.1	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AU
		Dilution Factor: 1		Analysis Time...: 05:23		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AV
		Dilution Factor: 1		Analysis Time...: 05:23		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AW
		Dilution Factor: 1		Analysis Time...: 05:23		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AX
		Dilution Factor: 1		Analysis Time...: 05:23		
Manganese	8.8	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1AO
		Dilution Factor: 1		Analysis Time...: 05:23		
Selenium	7.3	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCHQH1A1
		Dilution Factor: 1		Analysis Time...: 05:23		
Prep Batch #...: 6229505						
Calcium	27000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQH1A2
		Dilution Factor: 1		Analysis Time...: 17:52		
Iron	140	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQH1A3
		Dilution Factor: 1		Analysis Time...: 17:52		
Magnesium	33000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQH1AA
		Dilution Factor: 1		Analysis Time...: 17:52		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQH1AC
		Dilution Factor: 1		Analysis Time...: 17:52		
Sodium	740000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQH1AD
		Dilution Factor: 1		Analysis Time...: 17:52		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PATR-5S92W-28**

**TOTAL Metals**

**Lot-Sample #...: D6H160420-017**

**Matrix.....: WATER**

**Date Sampled...: 08/15/06 16:45    Date Received...: 08/16/06**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	ND	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1AT
		Dilution Factor: 2		Analysis Time...: 00:09		
Barium	10	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1AU
		Dilution Factor: 2		Analysis Time...: 00:09		
Cadmium	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1AV
		Dilution Factor: 2		Analysis Time...: 00:09		
Chromium	ND	6.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1AW
		Dilution Factor: 2		Analysis Time...: 00:09		
Lead	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1AX
		Dilution Factor: 2		Analysis Time...: 00:09		
Manganese	5.0	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1A0
		Dilution Factor: 2		Analysis Time...: 00:09		
Selenium	67	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQJ1A1
		Dilution Factor: 2		Analysis Time...: 00:09		
Prep Batch #...: 6229505						
Calcium	63000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQJ1A2
		Dilution Factor: 1		Analysis Time...: 17:58		
Iron	200	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQJ1A3
		Dilution Factor: 1		Analysis Time...: 17:58		
Magnesium	71000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQJ1AA
		Dilution Factor: 1		Analysis Time...: 17:58		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQJ1AC
		Dilution Factor: 1		Analysis Time...: 17:58		
Sodium	1200000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQJ1AD
		Dilution Factor: 1		Analysis Time...: 17:58		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: BROW-5S92W-32

## TOTAL Metals

Lot-Sample #...: D6H160420-018

Matrix.....: WATER

Date Sampled...: 08/15/06 18:15 Date Received...: 08/16/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6229494						
Arsenic	10	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1AT
		Dilution Factor: 2		Analysis Time...: 00:13		
Barium	9.0	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1AU
		Dilution Factor: 2		Analysis Time...: 00:13		
Cadmium	ND	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1AV
		Dilution Factor: 2		Analysis Time...: 00:13		
Chromium	ND	6.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1AW
		Dilution Factor: 2		Analysis Time...: 00:13		
Lead	2.2	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1AX
		Dilution Factor: 2		Analysis Time...: 00:13		
Manganese	270	2.0	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1A0
		Dilution Factor: 2		Analysis Time...: 00:13		
Selenium	220	10	ug/L	MCAWW 200.8	08/18-08/25/06	JCHQK1A1
		Dilution Factor: 2		Analysis Time...: 00:13		
Prep Batch #...: 6229505						
Calcium	130000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQK1A2
		Dilution Factor: 1		Analysis Time...: 18:22		
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQK1A3
		Dilution Factor: 1		Analysis Time...: 18:22		
Magnesium	65000	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQK1AA
		Dilution Factor: 1		Analysis Time...: 18:22		
Potassium	7200	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQK1AC
		Dilution Factor: 1		Analysis Time...: 18:22		
Sodium	1300000	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCHQK1AD
		Dilution Factor: 1		Analysis Time...: 18:22		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ALESSANDRO-6S92W-1**

**General Chemistry**

**Lot-Sample #...: D6H160420-001    Work Order #...: JCHPJ    Matrix.....: WATER**

**Date Sampled...: 08/14/06 11:15    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.9	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 09:46		
Bicarbonate, as CaCO <sub>3</sub>	470	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 20:51		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	25	3.0	mg/L	MCAWW 300.0A	08/16/06	6230207
		Dilution Factor: 1		Analysis Time...: 20:51		
Fluoride	2.5	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 20:51		
Nitrate	0.81	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 20:51		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 20:51		
Sulfate	430 Q	50	mg/L	MCAWW 300.0A	08/24-08/25/06	6240167
		Dilution Factor: 10		Analysis Time...: 13:27		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SPAULDING-5S92W-34**

**General Chemistry**

**Lot-Sample #...: D6H160420-002    Work Order #...: JCHPN    Matrix.....: WATER**  
**Date Sampled...: 08/14/06 16:30    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	8.3	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 09:49		
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 21:38		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	13	3.0	mg/L	MCAWW 300.0A	08/16/06	6230207
		Dilution Factor: 1		Analysis Time...: 21:38		
Fluoride	0.96	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 21:38		
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 21:38		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 21:38		
Sulfate	460 Q	50	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 10		Analysis Time...: 04:25		
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: BARRIE-5S92W-35**

**General Chemistry**

**Lot-Sample #....: D6H160420-003    Work Order #....: JCHPP    Matrix.....: WATER**  
**Date Sampled....: 08/14/06 18:30    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
<b>pH</b>	<b>8.0</b>	<b>0.10</b>	<b>No Units</b>	<b>MCAWW 150.1</b>	<b>08/17/06</b>	<b>6229594</b>
		Dilution Factor: 1		Analysis Time...: 09:52		
<b>Bicarbonate, as CaCO<sub>3</sub></b>	<b>310</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/23/06</b>	<b>6236134</b>
		Dilution Factor: 1		Analysis Time...: 10:00		
<b>Bromide</b>	<b>1.5 G</b>	<b>0.40</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/16/06</b>	<b>6230212</b>
		Dilution Factor: 2		Analysis Time...: 21:54		
<b>Carbonate, as CaCO<sub>3</sub></b>	<b>ND</b>	<b>5.0</b>	<b>mg/L</b>	<b>MCAWW 310.1</b>	<b>08/23/06</b>	<b>6236135</b>
		Dilution Factor: 1		Analysis Time...: 10:00		
<b>Chloride</b>	<b>930 Q</b>	<b>150</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/21-08/22/06</b>	<b>6234522</b>
		Dilution Factor: 50		Analysis Time...: 04:40		
<b>Fluoride</b>	<b>2.1 G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/16/06</b>	<b>6230208</b>
		Dilution Factor: 2		Analysis Time...: 21:54		
<b>Nitrate</b>	<b>11 Q</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/16/06</b>	<b>6230209</b>
		Dilution Factor: 2		Analysis Time...: 21:54		
<b>Nitrite</b>	<b>ND G</b>	<b>1.0</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/16/06</b>	<b>6230210</b>
		Dilution Factor: 2		Analysis Time...: 21:54		
<b>Sulfate</b>	<b>1100 Q</b>	<b>250</b>	<b>mg/L</b>	<b>MCAWW 300.0A</b>	<b>08/21-08/22/06</b>	<b>6234521</b>
		Dilution Factor: 50		Analysis Time...: 04:40		
<b>Total Dissolved Solids</b>	<b>3400 Q</b>	<b>20</b>	<b>mg/L</b>	<b>MCAWW 160.1</b>	<b>08/21/06</b>	<b>6233340</b>
		Dilution Factor: 2		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: WARD-5S92W-32

## General Chemistry

Lot-Sample #....: D6H160420-004    Work Order #....: JCHPQ    Matrix.....: WATER  
 Date Sampled....: 08/15/06 11:10    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	MCAWW 150.1	08/17/06	6229594
			Dilution Factor: 1	Analysis Time...: 09:55		
Bicarbonate, as CaCO <sub>3</sub>	240	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
			Dilution Factor: 1	Analysis Time...: 10:00		
Bromide	0.23	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
			Dilution Factor: 1	Analysis Time...: 22:10		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
			Dilution Factor: 1	Analysis Time...: 10:00		
Chloride	78 Q	6.0	mg/L	MCAWW 300.0A	08/24-08/25/06	6240169
			Dilution Factor: 2	Analysis Time...: 13:43		
Fluoride	0.95	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
			Dilution Factor: 1	Analysis Time...: 22:10		
Nitrate	18 Q	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
			Dilution Factor: 2	Analysis Time...: 09:29		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
			Dilution Factor: 1	Analysis Time...: 22:10		
Sulfate	690 Q	100	mg/L	MCAWW 300.0A	08/24-08/25/06	6240167
			Dilution Factor: 20	Analysis Time...: 13:58		
Total Dissolved Solids	1500	10	mg/L	MCAWW 160.1	08/21/06	6233501
			Dilution Factor: 1	Analysis Time...: 15:00		

## NOTE(S):

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: THOMAS-5S92W-26

## General Chemistry

Lot-Sample #...: D6H160420-005    Work Order #...: JCHPT    Matrix.....: WATER  
 Date Sampled...: 08/15/06 13:30    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:01		
Bicarbonate, as CaCO <sub>3</sub>	520	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 22:26		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	19	3.0	mg/L	MCAWW 300.0A	08/16/06	6230207
		Dilution Factor: 1		Analysis Time...: 22:26		
Fluoride	0.66	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 22:26		
Nitrate	0.64	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 22:26		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 22:26		
Sulfate	300 Q	50	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 10		Analysis Time...: 05:59		
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S):**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: GULLY VENTURES-6S92W-9

General Chemistry

Lot-Sample #...: D6H160420-007      Work Order #...: JCHPW      Matrix.....: WATER  
Date Sampled...: 08/15/06 17:30      Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:02		
Bicarbonate, as CaCO <sub>3</sub>	440	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.20	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 22:41		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	55 Q	6.0	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 2		Analysis Time...: 06:15		
Fluoride	0.58	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 22:41		
Nitrate	0.75	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 22:41		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 22:41		
Sulfate	460 Q	50	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 10		Analysis Time...: 06:31		
Total Dissolved Solids	1200	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: RUSCH-6S92W-3**

**General Chemistry**

**Lot-Sample #...: D6H160420-008    Work Order #...: JCHPX    Matrix.....: WATER**  
**Date Sampled...: 08/15/06 19:35    Date Received...: 08/16/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:05		
Bicarbonate, as CaCO <sub>3</sub>	390	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.68	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 22:57		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	87 Q	6.0	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 2		Analysis Time...: 06:47		
Fluoride	1.3	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 22:57		
Nitrate	1.0	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 22:57		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 22:57		
Sulfate	530 Q	100	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 20		Analysis Time...: 07:03		
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: PRADO-6S93W-2

General Chemistry

Lot-Sample #...: D6H160420-009    Work Order #...: JCHPO    Matrix.....: WATER  
Date Sampled...: 08/14/06 10:30    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.4	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:07		
Bicarbonate, as CaCO <sub>3</sub>	370	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.25	0.20	mg/L	MCAWW 300.0A	08/16/06	6230212
		Dilution Factor: 1		Analysis Time...: 23:13		
Carbonate, as CaCO <sub>3</sub>	5.0	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	24	3.0	mg/L	MCAWW 300.0A	08/16/06	6230207
		Dilution Factor: 1		Analysis Time...: 23:13		
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230208
		Dilution Factor: 1		Analysis Time...: 23:13		
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A	08/16/06	6230209
		Dilution Factor: 1		Analysis Time...: 23:13		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16/06	6230210
		Dilution Factor: 1		Analysis Time...: 23:13		
Sulfate	640 Q	100	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 20		Analysis Time...: 07:18		
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

NOTE(S) :

RL Reporting Limit

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: COPE-6S93W-11

## General Chemistry

Lot-Sample #...: D6H160420-010    Work Order #...: JCHP2    Matrix.....: WATER  
 Date Sampled....: 08/14/06 12:30    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:08		
Bicarbonate, as CaCO <sub>3</sub>	510	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.32	0.20	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 1		Analysis Time...: 00:00		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	160 Q	30	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 10		Analysis Time...: 07:34		
Fluoride	0.71	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 1		Analysis Time...: 00:00		
Nitrate	2.2	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 1		Analysis Time...: 00:00		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 1		Analysis Time...: 00:00		
Sulfate	420 Q	50	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 10		Analysis Time...: 07:34		
Total Dissolved Solids	1400	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

## NOTE(S):

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: MGD-6S93W-11**

**General Chemistry**

**Lot-Sample #...: D6H160420-011    Work Order #...: JCHP4    Matrix.....: WATER**  
**Date Sampled...: 08/14/06 15:00    Date Received...: 08/16/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:09		
Bicarbonate, as CaCO <sub>3</sub>	480	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND G	0.40	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 2		Analysis Time...: 00:16		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	150 Q	15	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 5		Analysis Time...: 07:50		
Fluoride	1.3 G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 2		Analysis Time...: 00:16		
Nitrate	1.3 Q	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 2		Analysis Time...: 00:16		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 2		Analysis Time...: 00:16		
Sulfate	1100 Q	250	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 50		Analysis Time...: 08:38		
Total Dissolved Solids	2300	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: KRIZ-6S93W-10**

**General Chemistry**

**Lot-Sample #....: D6H160420-013    Work Order #....: JCHP9    Matrix.....: WATER**  
**Date Sampled....: 08/14/06 16:30    Date Received...: 08/16/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:11		
Bicarbonate, as CaCO <sub>3</sub>	250	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.33	0.20	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 1		Analysis Time...: 00:32		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	240 Q	60	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 20		Analysis Time...: 08:53		
Fluoride	0.52	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 1		Analysis Time...: 00:32		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 1		Analysis Time...: 00:32		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 1		Analysis Time...: 00:32		
Sulfate	840 Q	100	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 20		Analysis Time...: 08:53		
Total Dissolved Solids	1800	10	mg/L	MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00		

**NOTE(S) :**

RL Reporting Limit

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

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: FIELDS-6S93W-1

General Chemistry

Lot-Sample #...: D6H160420-014    Work Order #...: JCHQA    Matrix.....: WATER  
Date Sampled...: 08/14/06 20:15    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	08/17/06	6229594
			Dilution Factor: 1	Analysis Time...: 10:14		
Bicarbonate, as CaCO <sub>3</sub>	510	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
			Dilution Factor: 1	Analysis Time...: 10:00		
Bromide	0.40	0.20	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
			Dilution Factor: 1	Analysis Time...: 00:48		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
			Dilution Factor: 1	Analysis Time...: 10:00		
Chloride	150 Q	15	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
			Dilution Factor: 5	Analysis Time...: 09:09		
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
			Dilution Factor: 1	Analysis Time...: 00:48		
Nitrate	6.5	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
			Dilution Factor: 1	Analysis Time...: 00:48		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
			Dilution Factor: 1	Analysis Time...: 00:48		
Sulfate	540 Q	100	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
			Dilution Factor: 20	Analysis Time...: 09:25		
Total Dissolved Solids	1500	10	mg/L	MCAWW 160.1	08/21/06	6233340
			Dilution Factor: 1	Analysis Time...: 11:00		

NOTE(S) :

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TYB-6S93W-3**

**General Chemistry**

**Lot-Sample #...: D6H160420-015    Work Order #...: JCHQF    Matrix.....: WATER**  
**Date Sampled...: 08/15/06 10:30    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.3	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:13		
Bicarbonate, as CaCO <sub>3</sub>	440	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 1		Analysis Time...: 01:04		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	18	3.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230207
		Dilution Factor: 1		Analysis Time...: 01:04		
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 1		Analysis Time...: 01:04		
Nitrate	1.3	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 1		Analysis Time...: 01:04		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 1		Analysis Time...: 01:04		
Sulfate	560 Q	100	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 20		Analysis Time...: 09:41		
Total Dissolved Solids	1300	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: SILLS-5S93W-36**

**General Chemistry**

**Lot-Sample #...: D6H160420-016    Work Order #...: JCHQH    Matrix.....: WATER**  
**Date Sampled...: 08/15/06 13:00    Date Received...: 08/16/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	8.1	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:16		
Bicarbonate, as CaCO <sub>3</sub>	620	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	ND G	0.40	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 2		Analysis Time...: 01:20		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	42 G	6.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230207
		Dilution Factor: 2		Analysis Time...: 01:20		
Fluoride	1.5 G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 2		Analysis Time...: 01:20		
Nitrate	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 2		Analysis Time...: 01:20		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 2		Analysis Time...: 01:20		
Sulfate	1000 Q	250	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 50		Analysis Time...: 09:57		
Total Dissolved Solids	2200	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: PATR-5S92W-28**

**General Chemistry**

Lot-Sample #...: D6H160420-017    Work Order #...: JCHQJ    Matrix.....: WATER  
 Date Sampled...: 08/15/06 16:45    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 10:17		
Bicarbonate, as CaCO <sub>3</sub>	630	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
		Dilution Factor: 1		Analysis Time...: 10:00		
Bromide	0.62 G	0.40	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 2		Analysis Time...: 01:35		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
		Dilution Factor: 1		Analysis Time...: 10:00		
Chloride	490 Q	30	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 10		Analysis Time...: 10:12		
Fluoride	1.5 G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 2		Analysis Time...: 01:35		
Nitrate	1.6 G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 2		Analysis Time...: 01:35		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 2		Analysis Time...: 01:35		
Sulfate	1700 Q	250	mg/L	MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 50		Analysis Time...: 10:28		
Total Dissolved Solids	3700	10	mg/L	MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

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

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: BROW-5S92W-32

## General Chemistry

Lot-Sample #...: D6H160420-018    Work Order #...: JCHQK    Matrix.....: WATER  
 Date Sampled...: 08/15/06 18:15    Date Received...: 08/16/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	08/17/06	6229594
			Dilution Factor: 1	Analysis Time...: 10:15		
Bicarbonate, as CaCO <sub>3</sub>	630	5.0	mg/L	MCAWW 310.1	08/23/06	6236134
			Dilution Factor: 1	Analysis Time...: 10:00		
Bromide	1.9 G	0.40	mg/L	MCAWW 300.0A	08/16-08/17/06	6230212
			Dilution Factor: 2	Analysis Time...: 01:51		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/23/06	6236135
			Dilution Factor: 1	Analysis Time...: 10:00		
Chloride	330 Q	30	mg/L	MCAWW 300.0A	08/21-08/22/06	6234522
			Dilution Factor: 10	Analysis Time...: 12:35		
Fluoride	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230208
			Dilution Factor: 2	Analysis Time...: 01:51		
Nitrate	53 Q	25	mg/L	MCAWW 300.0A	08/16-08/17/06	6230209
			Dilution Factor: 50	Analysis Time...: 10:48		
Nitrite	ND G	1.0	mg/L	MCAWW 300.0A	08/16-08/17/06	6230210
			Dilution Factor: 2	Analysis Time...: 01:51		
Sulfate	1900 Q	250	mg/L	MCAWW 300.0A	08/24-08/25/06	6240167
			Dilution Factor: 50	Analysis Time...: 14:14		
Total Dissolved Solids	4200 Q	20	mg/L	MCAWW 160.1	08/21/06	6233501
			Dilution Factor: 2	Analysis Time...: 15:00		

**NOTE(S) :**

RL Reporting Limit

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

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

# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6240167	6240137
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
002	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
003	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202

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# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	RSK SOP-175		6233445	
004	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6240169	6240132
	WATER	MCAWW 300.0A		6240167	6240137
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
005	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
006	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
007	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139

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# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
007	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
008	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
009	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
010	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051

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# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
010	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
011	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
012	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
013	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
014	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233340	6234374
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
015	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
016	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6230207	6230130
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H160420

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
016	WATER	RSK SOP-175		6233445	
017	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6234521	6235051
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	
018	WATER	MCAWW 150.1		6229594	6231040
	WATER	MCAWW 160.1		6233501	6234377
	WATER	MCAWW 200.7		6229505	6229377
	WATER	MCAWW 310.1		6236135	
	WATER	MCAWW 300.0A		6234522	6235050
	WATER	MCAWW 300.0A		6240167	6240137
	WATER	MCAWW 300.0A		6230208	6230127
	WATER	MCAWW 300.0A		6230209	6230139
	WATER	MCAWW 300.0A		6230212	6230136
	WATER	MCAWW 300.0A		6230210	6230133
	WATER	MCAWW 200.8		6229494	6229372
	WATER	MCAWW 310.1		6236134	
	WATER	SW846 8021B		6237251	6237202
	WATER	RSK SOP-175		6233445	

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H160420  
MB Lot-Sample #: D6H210000-445  
Analysis Date...: 08/18/06  
Dilution Factor: 1

Work Order #...: JCTQ11AA  
Prep Date.....: 08/18/06  
Prep Batch #...: 6233445

Matrix.....: WATER  
Analysis Time...: 09:37

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 #....: D6H160420      Work Order #....: JCTQ11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H210000-445      JCTQ11AD-LCSD  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233445      Analysis Time...: 09:27  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
Methane	90	(69 - 125)			RSK SOP-175
	76	(69 - 125)	17	(0-20)	RSK SOP-175
Ethane	92	(60 - 135)			RSK SOP-175
	78	(60 - 135)	16	(0-20)	RSK SOP-175
Ethene	96	(64 - 134)			RSK SOP-175
	82	(64 - 134)	15	(0-20)	RSK SOP-175
Acetylene	106	(60 - 120)			RSK SOP-175
	96	(60 - 120)	9.7	(0-20)	RSK SOP-175

### NOTE(S) :

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

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: D6H160420      Work Order #....: JCTQ11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H210000-445      JCTQ11AD-LCSD  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233445      Analysis Time...: 09:27  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
<b>Methane</b>	<b>73.0</b>	<b>65.9</b>	<b>ug/L</b>	<b>90</b>		<b>RSK SOP-175</b>
	<b>73.0</b>	<b>55.8</b>	<b>ug/L</b>	<b>76</b>	<b>17</b>	<b>RSK SOP-175</b>
<b>Ethane</b>	<b>137</b>	<b>126</b>	<b>ug/L</b>	<b>92</b>		<b>RSK SOP-175</b>
	<b>137</b>	<b>108</b>	<b>ug/L</b>	<b>78</b>	<b>16</b>	<b>RSK SOP-175</b>
<b>Ethene</b>	<b>127</b>	<b>122</b>	<b>ug/L</b>	<b>96</b>		<b>RSK SOP-175</b>
	<b>127</b>	<b>104</b>	<b>ug/L</b>	<b>82</b>	<b>15</b>	<b>RSK SOP-175</b>
<b>Acetylene</b>	<b>118</b>	<b>125</b>	<b>ug/L</b>	<b>106</b>		<b>RSK SOP-175</b>
	<b>118</b>	<b>113</b>	<b>ug/L</b>	<b>96</b>	<b>9.7</b>	<b>RSK SOP-175</b>

### 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 #...: D6H160420  
MB Lot-Sample #: D6H250000-251

Work Order #...: JC6R01AA

Matrix.....: WATER

Analysis Date...: 08/23/06  
Dilution Factor: 1

Prep Date.....: 08/23/06

Analysis Time...: 10:59

Prep Batch #...: 6237251

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a, a, a-Trifluorotoluene (TFT)	96	(85 - 115)

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H160420      Work Order #....: JC6R01AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H250000-251      JC6R01AD-LCSD  
 Prep Date.....: 08/23/06      Analysis Date...: 08/23/06  
 Prep Batch #....: 6237251      Analysis Time...: 09:49  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	110	(75 - 117)			SW846 8021B
	106	(75 - 117)	3.8	(0-45)	SW846 8021B
Ethylbenzene	104	(79 - 115)			SW846 8021B
	101	(79 - 115)	3.1	(0-46)	SW846 8021B
Chlorobenzene	99	(81 - 115)			SW846 8021B
	96	(81 - 115)	2.7	(0-35)	SW846 8021B
Toluene	104	(77 - 115)			SW846 8021B
	100	(77 - 115)	3.8	(0-45)	SW846 8021B
Xylenes (total)	103	(79 - 116)			SW846 8021B
	100	(79 - 116)	3.4	(0-46)	SW846 8021B
1,3-Dichlorobenzene	102	(80 - 115)			SW846 8021B
	100	(80 - 115)	1.3	(0-35)	SW846 8021B
1,4-Dichlorobenzene	104	(79 - 115)			SW846 8021B
	102	(79 - 115)	2.1	(0-35)	SW846 8021B
1,2-Dichlorobenzene	101	(80 - 115)			SW846 8021B
	99	(80 - 115)	2.0	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	93	(85 - 115)

### 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 #....: D6H160420      Work Order #....: JC6R01AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H250000-251      JC6R01AD-LCSD  
 Prep Date.....: 08/23/06      Analysis Date...: 08/23/06  
 Prep Batch #....: 6237251      Analysis Time...: 09:49  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	22.1	ug/L	110		SW846 8021B
	20.0	21.2	ug/L	106	3.8	SW846 8021B
Ethylbenzene	20.0	20.8	ug/L	104		SW846 8021B
	20.0	20.1	ug/L	101	3.1	SW846 8021B
Chlorobenzene	20.0	19.8	ug/L	99		SW846 8021B
	20.0	19.3	ug/L	96	2.7	SW846 8021B
Toluene	20.0	20.8	ug/L	104		SW846 8021B
	20.0	20.1	ug/L	100	3.8	SW846 8021B
Xylenes (total)	60.0	62.1	ug/L	103		SW846 8021B
	60.0	60.0	ug/L	100	3.4	SW846 8021B
1,3-Dichlorobenzene	20.0	20.3	ug/L	102		SW846 8021B
	20.0	20.0	ug/L	100	1.3	SW846 8021B
1,4-Dichlorobenzene	20.0	20.8	ug/L	104		SW846 8021B
	20.0	20.4	ug/L	102	2.1	SW846 8021B
1,2-Dichlorobenzene	20.0	20.3	ug/L	101		SW846 8021B
	20.0	19.9	ug/L	99	2.0	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(85 - 115)
	93	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H160420      Work Order #...: JCHPJ1DJ-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H160420-001      JCHPJ1DK-MSD  
 Date Sampled...: 08/14/06 11:15      Date Received...: 08/16/06  
 Prep Date.....: 08/23/06      Analysis Date...: 08/24/06  
 Prep Batch #...: 6237251      Analysis Time...: 10:33  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	115	(75 - 117)			SW846 8021B
	103	(75 - 117)	11	(0-45)	SW846 8021B
Ethylbenzene	108	(79 - 115)			SW846 8021B
	95	(79 - 115)	13	(0-46)	SW846 8021B
Chlorobenzene	102	(81 - 115)			SW846 8021B
	93	(81 - 115)	9.2	(0-35)	SW846 8021B
Toluene	108	(77 - 115)			SW846 8021B
	94	(77 - 115)	14	(0-45)	SW846 8021B
Xylenes (total)	107	(79 - 116)			SW846 8021B
	87	(79 - 116)	22	(0-46)	SW846 8021B
1,3-Dichlorobenzene	106	(80 - 115)			SW846 8021B
	96	(80 - 115)	9.4	(0-35)	SW846 8021B
1,4-Dichlorobenzene	106	(79 - 115)			SW846 8021B
	97	(79 - 115)	8.7	(0-35)	SW846 8021B
1,2-Dichlorobenzene	103	(80 - 115)			SW846 8021B
	97	(80 - 115)	6.0	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)
	95	(85 - 115)

### 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 Volatiles

Client Lot #...: D6H160420      Work Order #...: JCHPJ1DJ-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H160420-001      JCHPJ1DK-MSD  
 Date Sampled....: 08/14/06 11:15      Date Received...: 08/16/06  
 Prep Date.....: 08/23/06      Analysis Date...: 08/24/06  
 Prep Batch #...: 6237251      Analysis Time...: 10:33  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	23.0	ug/L	115		SW846 8021B
	ND	20.0	20.6	ug/L	103	11	SW846 8021B
Ethylbenzene	ND	20.0	21.6	ug/L	108		SW846 8021B
	ND	20.0	18.9	ug/L	95	13	SW846 8021B
Chlorobenzene	ND	20.0	20.5	ug/L	102		SW846 8021B
	ND	20.0	18.7	ug/L	93	9.2	SW846 8021B
Toluene	ND	20.0	21.7	ug/L	108		SW846 8021B
	ND	20.0	18.9	ug/L	94	14	SW846 8021B
Xylenes (total)	ND	60.0	64.5	ug/L	107		SW846 8021B
	ND	60.0	52.0	ug/L	87	22	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	21.1	ug/L	106		SW846 8021B
	ND	20.0	19.2	ug/L	96	9.4	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	21.2	ug/L	106		SW846 8021B
	ND	20.0	19.5	ug/L	97	8.7	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	20.5	ug/L	103		SW846 8021B
	ND	20.0	19.3	ug/L	97	6.0	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(85 - 115)
	95	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

REPORTING				PREPARATION-	WORK	
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
MB Lot-Sample #: D6H170000-494    Prep Batch #...: 6229494						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AC
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Barium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AD
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AF
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AG
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AK
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AL
		Dilution Factor: 1				
		Analysis Time...: 04:22				
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/23/06	JCLC81AP
		Dilution Factor: 1				
		Analysis Time...: 04:22				
MB Lot-Sample #: D6H170000-505    Prep Batch #...: 6229505						
Calcium	ND	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCLFD1AA
		Dilution Factor: 1				
		Analysis Time...: 15:46				
Iron	ND	100	ug/L	MCAWW 200.7	08/18-08/22/06	JCLFD1AC
		Dilution Factor: 1				
		Analysis Time...: 15:46				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/18-08/22/06	JCLFD1AD
		Dilution Factor: 1				
		Analysis Time...: 15:46				

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# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Potassium	ND	3000	ug/L	MCAWW 200.7	08/18-08/22/06	JCLFD1AE
Dilution Factor: 1						
Analysis Time...: 15:46						
Sodium	ND	5000	ug/L	MCAWW 200.7	08/18-08/22/06	JCLFD1AF
Dilution Factor: 1						
Analysis Time...: 15:46						

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> D6H170000-494 <b>Prep Batch #...</b> : 6229494					
Arsenic	95	(89 - 111)	MCAWW 200.8	08/18-08/23/06	JCLC81A0
		Dilution Factor: 1	Analysis Time...: 04:25		
Barium	99	(89 - 117)	MCAWW 200.8	08/18-08/23/06	JCLC81A1
		Dilution Factor: 1	Analysis Time...: 04:25		
Cadmium	99	(89 - 111)	MCAWW 200.8	08/18-08/23/06	JCLC81A3
		Dilution Factor: 1	Analysis Time...: 04:25		
Chromium	108	(86 - 124)	MCAWW 200.8	08/18-08/23/06	JCLC81A4
		Dilution Factor: 1	Analysis Time...: 04:25		
Lead	94	(88 - 119)	MCAWW 200.8	08/18-08/23/06	JCLC81A7
		Dilution Factor: 1	Analysis Time...: 04:25		
Manganese	109	(87 - 124)	MCAWW 200.8	08/18-08/23/06	JCLC81A8
		Dilution Factor: 1	Analysis Time...: 04:25		
Selenium	94	(82 - 114)	MCAWW 200.8	08/18-08/23/06	JCLC81CC
		Dilution Factor: 1	Analysis Time...: 04:25		
<b>LCS Lot-Sample#:</b> D6H170000-505 <b>Prep Batch #...</b> : 6229505					
Calcium	100	(90 - 111)	MCAWW 200.7	08/18-08/22/06	JCLFD1AG
		Dilution Factor: 1	Analysis Time...: 15:52		
Iron	99	(89 - 116)	MCAWW 200.7	08/18-08/22/06	JCLFD1AH
		Dilution Factor: 1	Analysis Time...: 15:52		
Magnesium	98	(92 - 113)	MCAWW 200.7	08/18-08/22/06	JCLFD1AJ
		Dilution Factor: 1	Analysis Time...: 15:52		
Potassium	103	(89 - 114)	MCAWW 200.7	08/18-08/22/06	JCLFD1AK
		Dilution Factor: 1	Analysis Time...: 15:52		
Sodium	103	(90 - 117)	MCAWW 200.7	08/18-08/22/06	JCLFD1AL
		Dilution Factor: 1	Analysis Time...: 15:52		

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D6H170000-494 Prep Batch #...: 6229494							
Arsenic	40.0	37.8	ug/L	95	MCAWW 200.8	08/18-08/23/06	JCLC81A0
			Dilution Factor: 1		Analysis Time...: 04:25		
Barium	40.0	39.7	ug/L	99	MCAWW 200.8	08/18-08/23/06	JCLC81A1
			Dilution Factor: 1		Analysis Time...: 04:25		
Cadmium	40.0	39.5	ug/L	99	MCAWW 200.8	08/18-08/23/06	JCLC81A3
			Dilution Factor: 1		Analysis Time...: 04:25		
Chromium	40.0	43.2	ug/L	108	MCAWW 200.8	08/18-08/23/06	JCLC81A4
			Dilution Factor: 1		Analysis Time...: 04:25		
Lead	40.0	37.5	ug/L	94	MCAWW 200.8	08/18-08/23/06	JCLC81A7
			Dilution Factor: 1		Analysis Time...: 04:25		
Manganese	40.0	43.7	ug/L	109	MCAWW 200.8	08/18-08/23/06	JCLC81A8
			Dilution Factor: 1		Analysis Time...: 04:25		
Selenium	40.0	37.8	ug/L	94	MCAWW 200.8	08/18-08/23/06	JCLC81CC
			Dilution Factor: 1		Analysis Time...: 04:25		
LCS Lot-Sample#: D6H170000-505 Prep Batch #...: 6229505							
Calcium	50000	50200	ug/L	100	MCAWW 200.7	08/18-08/22/06	JCLFD1AG
			Dilution Factor: 1		Analysis Time...: 15:52		
Iron	1000	992	ug/L	99	MCAWW 200.7	08/18-08/22/06	JCLFD1AH
			Dilution Factor: 1		Analysis Time...: 15:52		
Magnesium	50000	49200	ug/L	98	MCAWW 200.7	08/18-08/22/06	JCLFD1AJ
			Dilution Factor: 1		Analysis Time...: 15:52		
Potassium	50000	51600	ug/L	103	MCAWW 200.7	08/18-08/22/06	JCLFD1AK
			Dilution Factor: 1		Analysis Time...: 15:52		
Sodium	50000	51700	ug/L	103	MCAWW 200.7	08/18-08/22/06	JCLFD1AL
			Dilution Factor: 1		Analysis Time...: 15:52		

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/16/06 14:15 Date Received...: 08/17/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6H170174-001 Prep Batch #...: 6229494						
Arsenic	101	(79 - 120)		MCAWW 200.8	08/18-08/23/06	JCJWV1DM
	103	(79 - 120) 0.93 (0-30)		MCAWW 200.8	08/18-08/23/06	JCJWV1DN
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Barium	102	(83 - 118)		MCAWW 200.8	08/18-08/23/06	JCJWV1DP
	105	(83 - 118) 1.0 (0-30)		MCAWW 200.8	08/18-08/23/06	JCJWV1DQ
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Cadmium	93	(82 - 115)		MCAWW 200.8	08/18-08/23/06	JCJWV1DU
	94	(82 - 115) 0.97 (0-30)		MCAWW 200.8	08/18-08/23/06	JCJWV1DV
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Chromium	99	(80 - 124)		MCAWW 200.8	08/18-08/23/06	JCJWV1DW
	102	(80 - 124) 2.6 (0-30)		MCAWW 200.8	08/18-08/23/06	JCJWV1DX
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Lead	90	(79 - 119)		MCAWW 200.8	08/18-08/23/06	JCJWV1D4
	89	(79 - 119) 0.80 (0-30)		MCAWW 200.8	08/18-08/23/06	JCJWV1D5
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Manganese	109	(57 - 149)		MCAWW 200.8	08/18-08/23/06	JCJWV1D6
	121	(57 - 149) 3.8 (0-35)		MCAWW 200.8	08/18-08/23/06	JCJWV1D7
		Dilution Factor: 1				
		Analysis Time...: 05:48				
Selenium	93	(64 - 134)		MCAWW 200.8	08/18-08/23/06	JCJWV1ED
	96	(64 - 134) 3.4 (0-35)		MCAWW 200.8	08/18-08/23/06	JCJWV1EE
		Dilution Factor: 1				
		Analysis Time...: 05:48				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/16/06 14:15 Date Received...: 08/17/06

	SAMPLE	SPIKE	MEASRD	PERCNT				PREPARATION-	WORK
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	ORDER #
MS Lot-Sample #: D6H170174-001    Prep Batch #...: 6229494									
Arsenic									
	36	40.0	76.8	ug/L	101		MCAWW 200.8	08/18-08/23/06	JCJWV1DM
	36	40.0	77.5	ug/L	103	0.93	MCAWW 200.8	08/18-08/23/06	JCJWV1DN
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Barium									
	73	40.0	114	ug/L	102		MCAWW 200.8	08/18-08/23/06	JCJWV1DP
	73	40.0	115	ug/L	105	1.0	MCAWW 200.8	08/18-08/23/06	JCJWV1DQ
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Cadmium									
	ND	40.0	37.3	ug/L	93		MCAWW 200.8	08/18-08/23/06	JCJWV1DU
	ND	40.0	37.7	ug/L	94	0.97	MCAWW 200.8	08/18-08/23/06	JCJWV1DV
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Chromium									
	4.0	40.0	43.6	ug/L	99		MCAWW 200.8	08/18-08/23/06	JCJWV1DW
	4.0	40.0	44.7	ug/L	102	2.6	MCAWW 200.8	08/18-08/23/06	JCJWV1DX
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Lead									
	2.1	40.0	38.0	ug/L	90		MCAWW 200.8	08/18-08/23/06	JCJWV1D4
	2.1	40.0	37.7	ug/L	89	0.80	MCAWW 200.8	08/18-08/23/06	JCJWV1D5
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Manganese									
	80	40.0	124	ug/L	109		MCAWW 200.8	08/18-08/23/06	JCJWV1D6
	80	40.0	128	ug/L	121	3.8	MCAWW 200.8	08/18-08/23/06	JCJWV1D7
			Dilution Factor: 1						
			Analysis Time...: 05:48						
Selenium									
	ND	40.0	38.5	ug/L	93		MCAWW 200.8	08/18-08/23/06	JCJWV1ED
	ND	40.0	39.8	ug/L	96	3.4	MCAWW 200.8	08/18-08/23/06	JCJWV1EE
			Dilution Factor: 1						
			Analysis Time...: 05:48						

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:15 Date Received...: 08/16/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6H160420-001 Prep Batch #...: 6229505						
Calcium	105	(90 - 111)		MCAWW 200.7	08/18-08/22/06	JCHPJ1A4
	99	(90 - 111) 3.3	(0-20)	MCAWW 200.7	08/18-08/22/06	JCHPJ1A5
		Dilution Factor: 1				
		Analysis Time...: 16:10				
Iron	100	(89 - 116)		MCAWW 200.7	08/18-08/22/06	JCHPJ1A6
	97	(89 - 116) 2.9	(0-20)	MCAWW 200.7	08/18-08/22/06	JCHPJ1A7
		Dilution Factor: 1				
		Analysis Time...: 16:10				
Magnesium	102	(92 - 113)		MCAWW 200.7	08/18-08/22/06	JCHPJ1A8
	99	(92 - 113) 2.8	(0-20)	MCAWW 200.7	08/18-08/22/06	JCHPJ1A9
		Dilution Factor: 1				
		Analysis Time...: 16:10				
Potassium	110	(89 - 114)		MCAWW 200.7	08/18-08/22/06	JCHPJ1CA
	109	(89 - 114) 0.88	(0-20)	MCAWW 200.7	08/18-08/22/06	JCHPJ1CC
		Dilution Factor: 1				
		Analysis Time...: 16:10				
Sodium	NC,MSB	(90 - 117)		MCAWW 200.7	08/18-08/22/06	JCHPJ1CD
	NC,MSB	(90 - 117)	(0-20)	MCAWW 200.7	08/18-08/22/06	JCHPJ1CE
		Dilution Factor: 1				
		Analysis Time...: 16:10				

### 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.

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:15 Date Received...: 08/16/06

PARAMETER	AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H160420-001 Prep Batch #...: 6229505

### Calcium

38000	50000	90400	ug/L	105			MCAWW 200.7	08/18-08/22/06	JCHPJ1A4
38000	50000	87400	ug/L	99	3.3		MCAWW 200.7	08/18-08/22/06	JCHPJ1A5

Dilution Factor: 1

Analysis Time...: 16:10

### Iron

240	1000	1250	ug/L	100			MCAWW 200.7	08/18-08/22/06	JCHPJ1A6
240	1000	1210	ug/L	97	2.9		MCAWW 200.7	08/18-08/22/06	JCHPJ1A7

Dilution Factor: 1

Analysis Time...: 16:10

### Magnesium

16000	50000	67700	ug/L	102			MCAWW 200.7	08/18-08/22/06	JCHPJ1A8
16000	50000	65800	ug/L	99	2.8		MCAWW 200.7	08/18-08/22/06	JCHPJ1A9

Dilution Factor: 1

Analysis Time...: 16:10

### Potassium

ND	50000	56800	ug/L	110			MCAWW 200.7	08/18-08/22/06	JCHPJ1CA
ND	50000	56300	ug/L	109	0.88		MCAWW 200.7	08/18-08/22/06	JCHPJ1CC

Dilution Factor: 1

Analysis Time...: 16:10

### Sodium

380000	50000	438000	ug/L				MCAWW 200.7	08/18-08/22/06	JCHPJ1CD
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Qualifiers: NC,MSB

380000	50000	427000	ug/L				MCAWW 200.7	08/18-08/22/06	JCHPJ1CE
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Qualifiers: NC,MSB

Dilution Factor: 1

Analysis Time...: 16:10

### 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.

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO <sub>3</sub>	ND	Work Order #: JC66R1AA 5.0	mg/L	MB Lot-Sample #: D6H240000-134 MCAWW 310.1	08/23/06	6236134
Dilution Factor: 1 Analysis Time...: 10:00						
Bromide	ND	Work Order #: JCML21AA 0.20	mg/L	MB Lot-Sample #: D6H180000-212 MCAWW 300.0A	08/16/06	6230212
Dilution Factor: 1 Analysis Time...: 20:03						
Carbonate, as CaCO <sub>3</sub>	ND	Work Order #: JC6631AA 5.0	mg/L	MB Lot-Sample #: D6H240000-135 MCAWW 310.1	08/23/06	6236135
Dilution Factor: 1 Analysis Time...: 10:00						
Chloride	ND	Work Order #: JCMLR1AA 3.0	mg/L	MB Lot-Sample #: D6H180000-207 MCAWW 300.0A	08/16-08/22/06	6230207
Dilution Factor: 1 Analysis Time...: 04:09						
Chloride	ND	Work Order #: JC0AJ1AA 3.0	mg/L	MB Lot-Sample #: D6H220000-522 MCAWW 300.0A	08/21-08/22/06	6234522
Dilution Factor: 1 Analysis Time...: 04:09						
Chloride	ND	Work Order #: JDAKW1AA 3.0	mg/L	MB Lot-Sample #: D6H280000-169 MCAWW 300.0A	08/24/06	6240169
Dilution Factor: 1 Analysis Time...: 13:59						
Fluoride	ND	Work Order #: JCMLL1AA 0.50	mg/L	MB Lot-Sample #: D6H180000-208 MCAWW 300.0A	08/16/06	6230208
Dilution Factor: 1 Analysis Time...: 20:03						
Nitrate	ND	Work Order #: JCML71AA 0.50	mg/L	MB Lot-Sample #: D6H180000-209 MCAWW 300.0A	08/16/06	6230209
Dilution Factor: 1 Analysis Time...: 20:03						
Nitrite	ND	Work Order #: JCMLW1AA 0.50	mg/L	MB Lot-Sample #: D6H180000-210 MCAWW 300.0A	08/16/06	6230210
Dilution Factor: 1 Analysis Time...: 20:03						

(Continued on next page)

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Sulfate	ND	Work Order #: JC0AK1AA 5.0	mg/L	MB Lot-Sample #: D6H220000-521 MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 1 Analysis Time...: 04:09				
Sulfate	ND	Work Order #: JDAK71AA 5.0	mg/L	MB Lot-Sample #: D6H280000-167 MCAWW 300.0A	08/24/06	6240167
		Dilution Factor: 1 Analysis Time...: 13:59				
Total Dissolved Solids	ND	Work Order #: JCXPN1AA 10	mg/L	MB Lot-Sample #: D6H210000-340 MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1 Analysis Time...: 11:00				
Total Dissolved Solids	ND	Work Order #: JCXP71AA 10	mg/L	MB Lot-Sample #: D6H210000-501 MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1 Analysis Time...: 15:00				

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H160420

Matrix.....: WATER

	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH		WO#:JCQM01AA-LCS/JCQM01AC-LCSD LCS Lot-Sample#: D6H170000-594					
	100	(97 - 102)			MCAWW 150.1	08/17/06	6229594
	101	(97 - 102)	0.14 (0-5.0)		MCAWW 150.1	08/17/06	6229594
		Dilution Factor: 1		Analysis Time...: 09:16			
Chloride		WO#:JC0AJ1AC-LCS/JC0AJ1AD-LCSD LCS Lot-Sample#: D6H220000-522					
	102	(90 - 110)			MCAWW 300.0A	08/21-08/22/06	6234522
	102	(90 - 110)	0.0 (0-10)		MCAWW 300.0A	08/21-08/22/06	6234522
		Dilution Factor: 1		Analysis Time...: 03:53			
Chloride		WO#:JDAKW1AC-LCS/JDAKW1AD-LCSD LCS Lot-Sample#: D6H280000-169					
	101	(90 - 110)			MCAWW 300.0A	08/24/06	6240169
	101	(90 - 110)	0.03 (0-10)		MCAWW 300.0A	08/24/06	6240169
		Dilution Factor: 1		Analysis Time...: 13:27			
Sulfate		WO#:JC0AK1AC-LCS/JC0AK1AD-LCSD LCS Lot-Sample#: D6H220000-521					
	103	(90 - 110)			MCAWW 300.0A	08/21-08/22/06	6234521
	102	(90 - 110)	0.39 (0-10)		MCAWW 300.0A	08/21-08/22/06	6234521
		Dilution Factor: 1		Analysis Time...: 03:53			
Sulfate		WO#:JDAK71AC-LCS/JDAK71AD-LCSD LCS Lot-Sample#: D6H280000-167					
	102	(90 - 110)			MCAWW 300.0A	08/24/06	6240167
	102	(90 - 110)	0.43 (0-10)		MCAWW 300.0A	08/24/06	6240167
		Dilution Factor: 1		Analysis Time...: 13:27			
Total Dissolved Solids		WO#:JCXPN1AC-LCS/JCXPN1AD-LCSD LCS Lot-Sample#: D6H210000-340					
	99	(86 - 106)			MCAWW 160.1	08/21/06	6233340
	100	(86 - 106)	1.6 (0-20)		MCAWW 160.1	08/21/06	6233340
		Dilution Factor: 1		Analysis Time...: 11:00			
Total Dissolved Solids		WO#:JCXP71AC-LCS/JCXP71AD-LCSD LCS Lot-Sample#: D6H210000-501					
	100	(86 - 106)			MCAWW 160.1	08/21/06	6233501
	99	(86 - 106)	1.0 (0-20)		MCAWW 160.1	08/21/06	6233501
		Dilution Factor: 1		Analysis Time...: 15:00			

### NOTE (S) :

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

N Spiked analyte recovery is outside stated control limits.

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H160420

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH								
						WO#:JCQM01AA-LCS/JCQM01AC-LCSD	LCS Lot-Sample#: D6H170000-594	
	7.00	7.03	No Units	100		MCAWW 150.1	08/17/06	6229594
	7.00	7.04	No Units	101	0.14	MCAWW 150.1	08/17/06	6229594
						Dilution Factor: 1	Analysis Time...: 09:16	
Chloride						WO#:JC0AJ1AC-LCS/JC0AJ1AD-LCSD	LCS Lot-Sample#: D6H220000-522	
	25.0	25.4	mg/L	102		MCAWW 300.0A	08/21-08/22/06	6234522
	25.0	25.4	mg/L	102	0.0	MCAWW 300.0A	08/21-08/22/06	6234522
						Dilution Factor: 1	Analysis Time...: 03:53	
Chloride						WO#:JDAKW1AC-LCS/JDAKW1AD-LCSD	LCS Lot-Sample#: D6H280000-169	
	25.0	25.3	mg/L	101		MCAWW 300.0A	08/24/06	6240169
	25.0	25.3	mg/L	101	0.03	MCAWW 300.0A	08/24/06	6240169
						Dilution Factor: 1	Analysis Time...: 13:27	
Sulfate						WO#:JC0AK1AC-LCS/JC0AK1AD-LCSD	LCS Lot-Sample#: D6H220000-521	
	25.0	25.7	mg/L	103		MCAWW 300.0A	08/21-08/22/06	6234521
	25.0	25.6	mg/L	102	0.39	MCAWW 300.0A	08/21-08/22/06	6234521
						Dilution Factor: 1	Analysis Time...: 03:53	
Sulfate						WO#:JDAK71AC-LCS/JDAK71AD-LCSD	LCS Lot-Sample#: D6H280000-167	
	25.0	25.5	mg/L	102		MCAWW 300.0A	08/24/06	6240167
	25.0	25.6	mg/L	102	0.43	MCAWW 300.0A	08/24/06	6240167
						Dilution Factor: 1	Analysis Time...: 13:27	
Total Dissolved Solids						WO#:JCXPN1AC-LCS/JCXPN1AD-LCSD	LCS Lot-Sample#: D6H210000-340	
	500	493	mg/L	99		MCAWW 160.1	08/21/06	6233340
	500	501	mg/L	100	1.6	MCAWW 160.1	08/21/06	6233340
						Dilution Factor: 1	Analysis Time...: 11:00	
Total Dissolved Solids						WO#:JCXP71AC-LCS/JCXP71AD-LCSD	LCS Lot-Sample#: D6H210000-501	
	500	500	mg/L	100		MCAWW 160.1	08/21/06	6233501
	500	495	mg/L	99	1.0	MCAWW 160.1	08/21/06	6233501
						Dilution Factor: 1	Analysis Time...: 15:00	

### NOTE(S) :

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

N Spiked analyte recovery is outside stated control limits.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H160420

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Bromide	100	Work Order #: JCML21AC (90 - 110)	LCS Lot-Sample#: D6H180000-212 MCAWW 300.0A	08/16-08/17/06	6230212
		Dilution Factor: 1	Analysis Time...: 02:23		
Chloride	101	Work Order #: JCMLR1AC (90 - 110)	LCS Lot-Sample#: D6H180000-207 MCAWW 300.0A	08/16-08/22/06	6230207
		Dilution Factor: 1	Analysis Time...: 03:53		
Fluoride	102	Work Order #: JCMLL1AC (90 - 110)	LCS Lot-Sample#: D6H180000-208 MCAWW 300.0A	08/16-08/17/06	6230208
		Dilution Factor: 1	Analysis Time...: 02:23		
Nitrate	100	Work Order #: JCML71AC (90 - 110)	LCS Lot-Sample#: D6H180000-209 MCAWW 300.0A	08/16-08/17/06	6230209
		Dilution Factor: 1	Analysis Time...: 02:23		
Nitrite	102	Work Order #: JCMLW1AC (90 - 110)	LCS Lot-Sample#: D6H180000-210 MCAWW 300.0A	08/16-08/17/06	6230210
		Dilution Factor: 1	Analysis Time...: 02:23		

### NOTE (S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide	5.00	4.98	mg/L	100	MCAWW 300.0A	08/16-08/17/06	6230212
Work Order #: JCML21AC LCS Lot-Sample#: D6H180000-212							
Dilution Factor: 1 Analysis Time...: 02:23							
Chloride	25.0	25.4	mg/L	101	MCAWW 300.0A	08/16-08/22/06	6230207
Work Order #: JCMLR1AC LCS Lot-Sample#: D6H180000-207							
Dilution Factor: 1 Analysis Time...: 03:53							
Fluoride	5.00	5.12	mg/L	102	MCAWW 300.0A	08/16-08/17/06	6230208
Work Order #: JCMLL1AC LCS Lot-Sample#: D6H180000-208							
Dilution Factor: 1 Analysis Time...: 02:23							
Nitrate	5.00	5.01	mg/L	100	MCAWW 300.0A	08/16-08/17/06	6230209
Work Order #: JCML71AC LCS Lot-Sample#: D6H180000-209							
Dilution Factor: 1 Analysis Time...: 02:23							
Nitrite	5.00	5.10	mg/L	102	MCAWW 300.0A	08/16-08/17/06	6230210
Work Order #: JCMLW1AC LCS Lot-Sample#: D6H180000-210							
Dilution Factor: 1 Analysis Time...: 02:23							

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:30 Date Received...: 08/15/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: JCHPJ1DC-MS/JCHPJ1DD-MSD	MS Lot-Sample #: D6H160420-001		
	100	(80 - 120)		MCAWW 300.0A	08/16/06	6230212
	105	(80 - 120)	4.2 (0-20)	MCAWW 300.0A	08/16/06	6230212
			Dilution Factor: 1			
			Analysis Time...: 21:07			
Chloride			WO#: JCDJ31A1-MS/JCDJ31A2-MSD	MS Lot-Sample #: D6H150254-002		
	106	(80 - 120)		MCAWW 300.0A	08/24/06	6240169
	107	(80 - 120)	0.69 (0-20)	MCAWW 300.0A	08/24/06	6240169
			Dilution Factor: 1			
			Analysis Time...: 18:13			
Chloride			WO#: JCHPJ1C7-MS/JCHPJ1C8-MSD	MS Lot-Sample #: D6H160420-001		
	100	(80 - 120)		MCAWW 300.0A	08/16/06	6230207
	105	(80 - 120)	2.2 (0-20)	MCAWW 300.0A	08/16/06	6230207
			Dilution Factor: 1			
			Analysis Time...: 21:07			
Chloride			WO#: JCHPP1A4-MS/JCHPP1A5-MSD	MS Lot-Sample #: D6H160420-003		
	103	(80 - 120)		MCAWW 300.0A	08/21-08/22/06	6234522
	102	(80 - 120)	0.36 (0-20)	MCAWW 300.0A	08/21-08/22/06	6234522
			Dilution Factor: 1			
			Analysis Time...: 05:28			
Fluoride			WO#: JCHPJ1C5-MS/JCHPJ1C6-MSD	MS Lot-Sample #: D6H160420-001		
	97	(80 - 120)		MCAWW 300.0A	08/16/06	6230208
	101	(80 - 120)	2.7 (0-20)	MCAWW 300.0A	08/16/06	6230208
			Dilution Factor: 1			
			Analysis Time...: 21:07			
Nitrate			WO#: JCHPJ1DE-MS/JCHPJ1DF-MSD	MS Lot-Sample #: D6H160420-001		
	99	(80 - 120)		MCAWW 300.0A	08/16/06	6230209
	103	(80 - 120)	3.8 (0-20)	MCAWW 300.0A	08/16/06	6230209
			Dilution Factor: 1			
			Analysis Time...: 21:07			
Nitrite			WO#: JCHPJ1C9-MS/JCHPJ1DA-MSD	MS Lot-Sample #: D6H160420-001		
	101	(80 - 120)		MCAWW 300.0A	08/16/06	6230210
	106	(80 - 120)	4.0 (0-20)	MCAWW 300.0A	08/16/06	6230210
			Dilution Factor: 1			
			Analysis Time...: 21:07			

(Continued on next page)

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:30 Date Received...: 08/15/06

PARAMETER	PERCENT RECOVERY	RPD	PREPARATION-	PREP
	RECOVERY LIMITS	RPD LIMITS	ANALYSIS DATE	BATCH #
Sulfate		WO#: JCDJ31A5-MS/JCDJ31A6-MSD	MS Lot-Sample #:	D6H150254-002
105 I	(80 - 120)		08/24/06	6240167
106 I	(80 - 120)	0.31 (0-20)	08/24/06	6240167
		Dilution Factor: 1		
		Analysis Time...: 18:13		
Sulfate		WO#: JCHPP1A6-MS/JCHPP1A7-MSD	MS Lot-Sample #:	D6H160420-003
102	(80 - 120)		08/21-08/22/06	6234521
102	(80 - 120)	0.29 (0-20)	08/21-08/22/06	6234521
		Dilution Factor: 1		
		Analysis Time...: 05:28		

### NOTE(S) :

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

I Estimated result. Result concentration exceeds the calibration range.

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:30 Date Received...: 08/15/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide									
WO#: JCHPJ1DC-MS/JCHPJ1DD-MSD MS Lot-Sample #: D6H160420-001									
ND		5.00	5.17	mg/L	100		MCAWW 300.0A	08/16/06	6230212
ND		5.00	5.39	mg/L	105	4.2	MCAWW 300.0A	08/16/06	6230212
Dilution Factor: 1									
Analysis Time...: 21:07									
Chloride									
WO#: JCDJ31A1-MS/JCDJ31A2-MSD MS Lot-Sample #: D6H150254-002									
13		25.0	39.7	mg/L	106		MCAWW 300.0A	08/24/06	6240169
13		25.0	39.9	mg/L	107	0.69	MCAWW 300.0A	08/24/06	6240169
Dilution Factor: 1									
Analysis Time...: 18:13									
Chloride									
WO#: JCHPJ1C7-MS/JCHPJ1C8-MSD MS Lot-Sample #: D6H160420-001									
25		25.0	50.2	mg/L	100		MCAWW 300.0A	08/16/06	6230207
25		25.0	51.4	mg/L	105	2.2	MCAWW 300.0A	08/16/06	6230207
Dilution Factor: 1									
Analysis Time...: 21:07									
Chloride									
WO#: JCHPP1A4-MS/JCHPP1A5-MSD MS Lot-Sample #: D6H160420-003									
930		1250	2220	mg/L	103		MCAWW 300.0A	08/21-08/22/06	6234522
930		1250	2210	mg/L	102	0.36	MCAWW 300.0A	08/21-08/22/06	6234522
Dilution Factor: 1									
Analysis Time...: 05:28									
Fluoride									
WO#: JCHPJ1C5-MS/JCHPJ1C6-MSD MS Lot-Sample #: D6H160420-001									
2.5		5.00	7.34	mg/L	97		MCAWW 300.0A	08/16/06	6230208
2.5		5.00	7.54	mg/L	101	2.7	MCAWW 300.0A	08/16/06	6230208
Dilution Factor: 1									
Analysis Time...: 21:07									
Nitrate									
WO#: JCHPJ1DE-MS/JCHPJ1DF-MSD MS Lot-Sample #: D6H160420-001									
0.81		5.00	5.76	mg/L	99		MCAWW 300.0A	08/16/06	6230209
0.81		5.00	5.98	mg/L	103	3.8	MCAWW 300.0A	08/16/06	6230209
Dilution Factor: 1									
Analysis Time...: 21:07									
Nitrite									
WO#: JCHPJ1C9-MS/JCHPJ1DA-MSD MS Lot-Sample #: D6H160420-001									
ND		5.00	5.27	mg/L	101		MCAWW 300.0A	08/16/06	6230210
ND		5.00	5.49	mg/L	106	4.0	MCAWW 300.0A	08/16/06	6230210
Dilution Factor: 1									
Analysis Time...: 21:07									

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H160420

Matrix.....: WATER

Date Sampled...: 08/14/06 11:30 Date Received...: 08/15/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: JCDJ31A5-MS/JCDJ31A6-MSD MS Lot-Sample #: D6H150254-002						
	28	25.0	54.2 I	mg/L	105		MCAWW 300.0A	08/24/06	6240167
	28	25.0	54.4 I	mg/L	106	0.31	MCAWW 300.0A	08/24/06	6240167
Dilution Factor: 1									
Analysis Time...: 18:13									

Sulfate			WO#: JCHPP1A6-MS/JCHPP1A7-MSD MS Lot-Sample #: D6H160420-003						
	1100	1250	2360	mg/L	102		MCAWW 300.0A	08/21-08/22/06	6234521
	1100	1250	2350	mg/L	102	0.29	MCAWW 300.0A	08/21-08/22/06	6234521
Dilution Factor: 1									
Analysis Time...: 05:28									

### NOTE(S) :

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

I Estimated result. Result concentration exceeds the calibration range.

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H160420

Work Order #...: JCH3M-SMP  
JCH3M-DUP

Matrix.....: WATER

Date Sampled...: 08/16/06 13:00 Date Received...: 08/16/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	8.1	8.1	No Units	0.12	(0-5.0)	MCAWW 150.1	08/17/06	6229594
				Dilution Factor: 1	Analysis Time...: 10:23			

SD Lot-Sample #: D6H160435-002

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H160420

Work Order #...: JCDK5-SMP  
JCDK5-DUP

Matrix.....: WATER

Date Sampled...: 08/14/06 15:00

Date Received...: 08/15/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	230	240	mg/L	0.85	(0-20)	MCAWW 160.1	08/21/06	6233339
Dilution Factor: 1					Analysis Time...: 11:00			
SD Lot-Sample #: D6H150245-010								

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H160420

Work Order #....: JCHPX-SMP  
JCHPX-DUP

Matrix.....: WATER

Date Sampled....: 08/15/06 19:35 Date Received...: 08/16/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	1300	1300	mg/L	0.55	(0-20)	MCAWW 160.1	08/21/06	6233501
				Dilution Factor: 1		Analysis Time...: 15:00		
						SD Lot-Sample #: D6H160420-008		

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*Client*

Chain of Custody Number

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**Sewern Trent Laboratories, Inc.**

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

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**STL**

STL Denver  
4955 Yarrow Street  
Arvada, CO 80002

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

## **ANALYTICAL REPORT**

**Garfield County Water/Gas Sampling**

**Lot D6H170407**

**Christine Pearcy**

**S. S. Papadopoulos & Associates, Inc.  
1877 Broadway  
Suite 703  
Boulder, CO 80302-5245**

**SEVERN TRENT LABORATORIES, INC. / STL DENVER**

**Michael P. Phillips  
Project Manager**

**August 31, 2006**

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# Table Of Contents

## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

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



- Table of Contents
- Case Narrative
- Executive Summary – Detection Highlights
- Methods Summary
- Method/Analyst Summary
- Lot Sample Summary
- Analytical Results
- QC Data Association Summary
- Chain-of-Custody

# CASE NARRATIVE

D6H170407

The following report contains the analytical results for three samples plus a trip blank submitted to STL Denver by S. S. Papadopoulos & Associates for the Garfield County Water/Gas Sampling Project. The samples were received August 17, 2006, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

STL Denver utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

## **Supplemental QC Information**

### **Sample Arrival and Receipt**

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 4.2°C.

STL uses a holding time of 24 hours for pH by Method 150.1 to allow for sample shipment. However, the analysis for pH by Method 150.1 should be performed in the field immediately following sampling. All of the analyses for pH were performed by the lab outside of STL's holding time of 24 hours.

No other anomalies were observed.

### **BTEX / MTBE, SW846 Method 8021B**

No anomalies were observed.

### **Dissolved Methane, RSK SOP-175**

No anomalies were observed.

### **Total Metals, EPA Method 200.8**

No anomalies were observed.

### **Major Cation, EPA Method 200.7**

No anomalies were observed.

**Major Anions, EPA Method 300.0**

All of the samples required dilutions for Sulfate by Method 300.0A due to the high concentrations of the target analyte in the samples. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with "Q" in the report.

No other anomalies were observed.

**Alkalinity, pH, and Total Dissolved Solids, EPA Methods 310.1, 150.1, and 160.1**

No anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D6H170407

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ASG-5S92W-26 08/16/06 09:30 001				
Toluene	2.4	0.50	ug/L	SW846 8021B
Calcium	57000	200	ug/L	MCAWW 200.7
Magnesium	27000	200	ug/L	MCAWW 200.7
Sodium	69000	5000	ug/L	MCAWW 200.7
Barium	31	1.0	ug/L	MCAWW 200.8
pH	7.7	0.10	No Units	MCAWW 150.1
Total Dissolved	450	10	mg/L	MCAWW 160.1
Solids				
Chloride	10	3.0	mg/L	MCAWW 300.0A
Sulfate	110 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	250	5.0	mg/L	MCAWW 310.1
TYB-5S92W-32 08/16/06 15:00 002				
Calcium	73000	200	ug/L	MCAWW 200.7
Magnesium	67000	200	ug/L	MCAWW 200.7
Sodium	200000	5000	ug/L	MCAWW 200.7
Barium	8.3	1.0	ug/L	MCAWW 200.8
Selenium	8.8	5.0	ug/L	MCAWW 200.8
pH	7.6	0.10	No Units	MCAWW 150.1
Total Dissolved	1100	10	mg/L	MCAWW 160.1
Solids				
Chloride	15	3.0	mg/L	MCAWW 300.0A
Sulfate	470 Q	50	mg/L	MCAWW 300.0A
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A
Nitrate	0.86	0.50	mg/L	MCAWW 300.0A
Bromide	0.20	0.20	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO3	360	5.0	mg/L	MCAWW 310.1
RCE-5S92W-30 08/16/06 19:00 003				
Calcium	150000	200	ug/L	MCAWW 200.7
Magnesium	74000	200	ug/L	MCAWW 200.7
Potassium	3400	3000	ug/L	MCAWW 200.7
Sodium	91000	5000	ug/L	MCAWW 200.7
Barium	19	1.0	ug/L	MCAWW 200.8
Selenium	14	5.0	ug/L	MCAWW 200.8
pH	7.3	0.10	No Units	MCAWW 150.1
Total Dissolved	1100	10	mg/L	MCAWW 160.1
Solids				
Chloride	25	3.0	mg/L	MCAWW 300.0A
Sulfate	460 Q	50	mg/L	MCAWW 300.0A

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

D6H170407

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
RCE-5S92W-30 08/16/06 19:00 003				
Fluoride	0.50	0.50	mg/L	MCAWW 300.0A
Nitrate	0.69	0.50	mg/L	MCAWW 300.0A
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1

## METHODS SUMMARY

D6H170407

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
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	
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7
ICP-Mass Spectrometry ICP-Mass SPECTrometry	MCAWW 200.8	MCAWW 200.8
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Volatiles by GC	SW846 8021B	SW846 5030

### 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

D6H170407

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
MCAWW 150.1	Danielle M. Fougere	006481
MCAWW 160.1	Christopher Gridale	009582
MCAWW 200.7	Lynn-Anne Trudell	006645
MCAWW 200.7	Lynn-Anne Trudell	6645
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 310.1	Dave Elkin	000901
RSK SOP-175	Adam Pavlakovich	003128
SW846 8021B	Adam Pavlakovich	003128

### 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

D6H170407

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JCL00	001	ASG-5S92W-26	08/16/06	09:30
JCL05	002	TYB-5S92W-32	08/16/06	15:00
JCL06	003	RCE-5S92W-30	08/16/06	19:00
JCL19	004	TRIP BLANK	08/16/06	

### 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.

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ASG-5S92W-26

GC Volatiles

Lot-Sample #....: D6H170407-001    Work Order #....: JCL001A3    Matrix.....: WATER  
Date Sampled....: 08/16/06 09:30    Date Received...: 08/17/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233446    Analysis Time...: 15:30  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TYB-5S92W-32

GC Volatiles

Lot-Sample #....: D6H170407-002    Work Order #....: JCL051AE    Matrix.....: WATER  
Date Sampled....: 08/16/06 15:00    Date Received...: 08/17/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233446    Analysis Time...: 15:35  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: RCE-5S92W-30

GC Volatiles

Lot-Sample #....: D6H170407-003    Work Order #....: JCL061AE    Matrix.....: WATER  
Date Sampled....: 08/16/06 19:00    Date Received...: 08/17/06  
Prep Date.....: 08/18/06    Analysis Date...: 08/18/06  
Prep Batch #....: 6233446    Analysis Time...: 16:06  
Dilution Factor: 1  
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	5.0	ug/L

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: ASG-5S92W-26

GC Volatiles

Lot-Sample #....: D6H170407-001    Work Order #....: JCL001AM    Matrix.....: WATER  
Date Sampled....: 08/16/06 09:30    Date Received...: 08/17/06  
Prep Date.....: 08/22/06    Analysis Date...: 08/22/06  
Prep Batch #....: 6237450    Analysis Time...: 19:13  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
<b>Toluene</b>	<b>2.4</b>	<b>0.50</b>	<b>ug/L</b>
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TYB-5S92W-32

GC Volatiles

Lot-Sample #....: D6H170407-002    Work Order #....: JCL051AR    Matrix.....: WATER  
Date Sampled....: 08/16/06 15:00    Date Received...: 08/17/06  
Prep Date.....: 08/22/06    Analysis Date...: 08/22/06  
Prep Batch #....: 6237450    Analysis Time...: 19:51  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: RCE-5S92W-30

GC Volatiles

Lot-Sample #....: D6H170407-003    Work Order #....: JCL061AR    Matrix.....: WATER  
Date Sampled....: 08/16/06 19:00    Date Received...: 08/17/06  
Prep Date.....: 08/22/06    Analysis Date...: 08/22/06  
Prep Batch #....: 6237450    Analysis Time...: 20:28  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L
		<u>PERCENT</u>	<u>RECOVERY</u>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)	

S.S. Papadopoulos & Associates, Inc.

Client Sample ID: TRIP BLANK

GC Volatiles

Lot-Sample #....: D6H170407-004    Work Order #....: JCL191AC    Matrix.....: WATER  
Date Sampled....: 08/16/06    Date Received...: 08/17/06  
Prep Date.....: 08/25/06    Analysis Date...: 08/25/06  
Prep Batch #....: 6238106    Analysis Time...: 18:14  
Dilution Factor: 1  
Method.....: SW846 8021B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl tert-butyl ether	ND	5.0	ug/L
Toluene	ND	0.50	ug/L
m-Xylene & p-Xylene	ND	0.50	ug/L
o-Xylene	ND	0.50	ug/L
Xylenes (total)	ND	0.50	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: ASG-5S92W-26

## TOTAL Metals

Lot-Sample #....: D6H170407-001

Matrix.....: WATER

Date Sampled....: 08/16/06 09:30 Date Received...: 08/17/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6233210</b>						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AN
		Dilution Factor: 1		Analysis Time...: 03:56		
Barium	31	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AP
		Dilution Factor: 1		Analysis Time...: 03:56		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AQ
		Dilution Factor: 1		Analysis Time...: 03:56		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AR
		Dilution Factor: 1		Analysis Time...: 03:56		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AT
		Dilution Factor: 1		Analysis Time...: 03:56		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AU
		Dilution Factor: 1		Analysis Time...: 03:56		
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL001AV
		Dilution Factor: 1		Analysis Time...: 03:56		
<b>Prep Batch #....: 6234459</b>						
Calcium	57000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL001AW
		Dilution Factor: 1		Analysis Time...: 13:08		
Iron	ND	100	ug/L	MCAWW 200.7	08/23-08/24/06	JCL001AX
		Dilution Factor: 1		Analysis Time...: 13:08		
Magnesium	27000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL001A0
		Dilution Factor: 1		Analysis Time...: 13:08		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL001A1
		Dilution Factor: 1		Analysis Time...: 13:08		
Sodium	69000	5000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL001A2
		Dilution Factor: 1		Analysis Time...: 13:08		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: TYB-5S92W-32

## TOTAL Metals

Lot-Sample #....: D6H170407-002

Matrix.....: WATER

Date Sampled....: 08/16/06 15:00 Date Received...: 08/17/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6233210</b>						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051AT
		Dilution Factor: 1		Analysis Time...: 04:00		
Barium	8.3	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051AU
		Dilution Factor: 1		Analysis Time...: 04:00		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051AV
		Dilution Factor: 1		Analysis Time...: 04:00		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051AW
		Dilution Factor: 1		Analysis Time...: 04:00		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051AX
		Dilution Factor: 1		Analysis Time...: 04:00		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051A0
		Dilution Factor: 1		Analysis Time...: 04:00		
Selenium	8.8	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL051A1
		Dilution Factor: 1		Analysis Time...: 04:00		
<b>Prep Batch #....: 6234459</b>						
Calcium	73000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL051A2
		Dilution Factor: 1		Analysis Time...: 13:26		
Iron	ND	100	ug/L	MCAWW 200.7	08/23-08/24/06	JCL051A3
		Dilution Factor: 1		Analysis Time...: 13:26		
Magnesium	67000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL051AA
		Dilution Factor: 1		Analysis Time...: 13:26		
Potassium	ND	3000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL051AC
		Dilution Factor: 1		Analysis Time...: 13:26		
Sodium	200000	5000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL051AD
		Dilution Factor: 1		Analysis Time...: 13:26		

## S.S. Papadopoulos &amp; Associates, Inc.

Client Sample ID: RCE-5S92W-30

## TOTAL Metals

Lot-Sample #....: D6H170407-003

Matrix.....: WATER

Date Sampled....: 08/16/06 19:00 Date Received...: 08/17/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6233210						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061AT
		Dilution Factor: 1		Analysis Time...: 04:04		
Barium	19	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061AU
		Dilution Factor: 1		Analysis Time...: 04:04		
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061AV
		Dilution Factor: 1		Analysis Time...: 04:04		
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061AW
		Dilution Factor: 1		Analysis Time...: 04:04		
Lead	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061AX
		Dilution Factor: 1		Analysis Time...: 04:04		
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061A0
		Dilution Factor: 1		Analysis Time...: 04:04		
Selenium	14	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCL061A1
		Dilution Factor: 1		Analysis Time...: 04:04		
Prep Batch #....: 6234459						
Calcium	150000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL061A2
		Dilution Factor: 1		Analysis Time...: 13:30		
Iron	ND	100	ug/L	MCAWW 200.7	08/23-08/24/06	JCL061A3
		Dilution Factor: 1		Analysis Time...: 13:30		
Magnesium	74000	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCL061AA
		Dilution Factor: 1		Analysis Time...: 13:30		
Potassium	3400	3000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL061AC
		Dilution Factor: 1		Analysis Time...: 13:30		
Sodium	91000	5000	ug/L	MCAWW 200.7	08/23-08/24/06	JCL061AD
		Dilution Factor: 1		Analysis Time...: 13:30		

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: ASG-5S92W-26**

**General Chemistry**

**Lot-Sample #...** D6H170407-001    **Work Order #...** JCL00    **Matrix.....:** WATER  
**Date Sampled...** 08/16/06 09:30    **Date Received...** 08/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	08/18/06	6230640
		Dilution Factor: 1		Analysis Time...: 12:29		
Bicarbonate, as CaCO <sub>3</sub>	250	5.0	mg/L	MCAWW 310.1	08/28/06	6241174
		Dilution Factor: 1		Analysis Time...: 15:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/17/06	6230517
		Dilution Factor: 1		Analysis Time...: 23:03		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/28/06	6241184
		Dilution Factor: 1		Analysis Time...: 15:00		
Chloride	10	3.0	mg/L	MCAWW 300.0A	08/28/06	6241083
		Dilution Factor: 1		Analysis Time...: 11:21		
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A	08/17/06	6230514
		Dilution Factor: 1		Analysis Time...: 23:03		
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	08/17/06	6230515
		Dilution Factor: 1		Analysis Time...: 23:03		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/17/06	6230516
		Dilution Factor: 1		Analysis Time...: 23:03		
Sulfate	110 Q	25	mg/L	MCAWW 300.0A	08/21-08/22/06	6234585
		Dilution Factor: 5		Analysis Time...: 11:05		
Total Dissolved Solids	450	10	mg/L	MCAWW 160.1	08/22/06	6234610
		Dilution Factor: 1		Analysis Time...: 14:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: TYB-5S92W-32**

**General Chemistry**

**Lot-Sample #...: D6H170407-002    Work Order #...: JCL05    Matrix.....: WATER**  
**Date Sampled...: 08/16/06 15:00    Date Received...: 08/17/06**

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.6	0.10	No Units	MCAWW 150.1	08/18/06	6230640
		Dilution Factor: 1		Analysis Time...: 12:28		
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1	08/28/06	6241174
		Dilution Factor: 1		Analysis Time...: 15:00		
Bromide	0.20	0.20	mg/L	MCAWW 300.0A	08/17/06	6230517
		Dilution Factor: 1		Analysis Time...: 22:30		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/28/06	6241184
		Dilution Factor: 1		Analysis Time...: 15:00		
Chloride	15	3.0	mg/L	MCAWW 300.0A	08/28/06	6241083
		Dilution Factor: 1		Analysis Time...: 11:37		
Fluoride	0.62	0.50	mg/L	MCAWW 300.0A	08/17/06	6230514
		Dilution Factor: 1		Analysis Time...: 22:30		
Nitrate	0.86	0.50	mg/L	MCAWW 300.0A	08/17/06	6230515
		Dilution Factor: 1		Analysis Time...: 22:30		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/17/06	6230516
		Dilution Factor: 1		Analysis Time...: 22:30		
Sulfate	470 Q	50	mg/L	MCAWW 300.0A	08/17/06	6230512
		Dilution Factor: 10		Analysis Time...: 22:46		
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	08/22/06	6234610
		Dilution Factor: 1		Analysis Time...: 14:00		

**NOTE(S) :**

RL Reporting Limit

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

**S.S. Papadopoulos & Associates, Inc.**

**Client Sample ID: RCE-5S92W-30**

**General Chemistry**

Lot-Sample #....: D6H170407-003      Work Order #....: JCL06      Matrix.....: WATER  
 Date Sampled....: 08/16/06 19:00      Date Received...: 08/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.3	0.10	No Units	MCAWW 150.1	08/18/06	6230640
		Dilution Factor: 1		Analysis Time...: 12:30		
Bicarbonate, as CaCO <sub>3</sub>	360	5.0	mg/L	MCAWW 310.1	08/28/06	6241174
		Dilution Factor: 1		Analysis Time...: 15:00		
Bromide	ND	0.20	mg/L	MCAWW 300.0A	08/17/06	6230517
		Dilution Factor: 1		Analysis Time...: 23:53		
Carbonate, as CaCO <sub>3</sub>	ND	5.0	mg/L	MCAWW 310.1	08/28/06	6241184
		Dilution Factor: 1		Analysis Time...: 15:00		
Chloride	25	3.0	mg/L	MCAWW 300.0A	08/28/06	6241083
		Dilution Factor: 1		Analysis Time...: 11:52		
Fluoride	0.50	0.50	mg/L	MCAWW 300.0A	08/17/06	6230514
		Dilution Factor: 1		Analysis Time...: 23:53		
Nitrate	0.69	0.50	mg/L	MCAWW 300.0A	08/17/06	6230515
		Dilution Factor: 1		Analysis Time...: 23:53		
Nitrite	ND	0.50	mg/L	MCAWW 300.0A	08/17/06	6230516
		Dilution Factor: 1		Analysis Time...: 23:53		
Sulfate	460 Q	50	mg/L	MCAWW 300.0A	08/17-08/18/06	6230512
		Dilution Factor: 10		Analysis Time...: 00:10		
Total Dissolved Solids	1100	10	mg/L	MCAWW 160.1	08/22/06	6234610
		Dilution Factor: 1		Analysis Time...: 14:00		

**NOTE(S) :**

RL Reporting Limit

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

# QC DATA ASSOCIATION SUMMARY

D6H170407

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	MCAWW 150.1		6230640	6231070
	WATER	MCAWW 160.1		6234610	6236383
	WATER	MCAWW 200.7		6234459	6234299
	WATER	MCAWW 310.1		6241184	
	WATER	MCAWW 300.0A		6241083	6240395
	WATER	MCAWW 300.0A		6234585	6234401
	WATER	MCAWW 300.0A		6230514	6233297
	WATER	MCAWW 300.0A		6230515	6233301
	WATER	MCAWW 300.0A		6230517	6233299
	WATER	MCAWW 300.0A		6230516	6233284
	WATER	MCAWW 200.8		6233210	6233170
	WATER	MCAWW 310.1		6241174	
	WATER	SW846 8021B		6237450	6237303
	WATER	RSK SOP-175		6233446	6233328
002	WATER	MCAWW 150.1		6230640	6231070
	WATER	MCAWW 160.1		6234610	6236383
	WATER	MCAWW 200.7		6234459	6234299
	WATER	MCAWW 310.1		6241184	
	WATER	MCAWW 300.0A		6241083	6240395
	WATER	MCAWW 300.0A		6230512	6233303
	WATER	MCAWW 300.0A		6230514	6233297
	WATER	MCAWW 300.0A		6230515	6233301
	WATER	MCAWW 300.0A		6230517	6233299
	WATER	MCAWW 300.0A		6230516	6233284
	WATER	MCAWW 200.8		6233210	6233170
	WATER	MCAWW 310.1		6241174	
	WATER	SW846 8021B		6237450	6237303
	WATER	RSK SOP-175		6233446	6233328
003	WATER	MCAWW 150.1		6230640	6231070
	WATER	MCAWW 160.1		6234610	6236383
	WATER	MCAWW 200.7		6234459	6234299
	WATER	MCAWW 310.1		6241184	
	WATER	MCAWW 300.0A		6241083	6240395
	WATER	MCAWW 300.0A		6230512	6233303
	WATER	MCAWW 300.0A		6230514	6233297
	WATER	MCAWW 300.0A		6230515	6233301
	WATER	MCAWW 300.0A		6230517	6233299
	WATER	MCAWW 300.0A		6230516	6233284
	WATER	MCAWW 200.8		6233210	6233170
	WATER	MCAWW 310.1		6241174	
	WATER	SW846 8021B		6237450	6237303
	WATER	SW846 8021B		6237450	6237303

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D6H170407

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	RSK SOP-175		6233446	6233328
004	WATER	SW846 8021B		6238106	6238098

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D6H170407  
MB Lot-Sample #: D6H210000-446  
Analysis Date...: 08/18/06  
Dilution Factor: 1

Work Order #...: JCTQ41AA  
Prep Date.....: 08/18/06  
Prep Batch #...: 6233446

Matrix.....: WATER  
Analysis Time...: 12:45

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
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 #....: D6H170407      Work Order #....: JCTQ41AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H210000-446      JCTQ41AD-LCSD  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233446      Analysis Time...: 12:35  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
<b>Methane</b>	<b>84</b>	(69 - 125)	<b>7.5</b>	<b>(0-20)</b>	<b>RSK SOP-175</b>
	<b>90</b>	(69 - 125)			<b>RSK SOP-175</b>
<b>Ethane</b>	<b>86</b>	(60 - 135)	<b>7.2</b>	<b>(0-20)</b>	<b>RSK SOP-175</b>
	<b>92</b>	(60 - 135)			<b>RSK SOP-175</b>
<b>Ethene</b>	<b>91</b>	(64 - 134)	<b>6.1</b>	<b>(0-20)</b>	<b>RSK SOP-175</b>
	<b>97</b>	(64 - 134)			<b>RSK SOP-175</b>
<b>Acetylene</b>	<b>113</b>	(60 - 120)	<b>0.89</b>	<b>(0-20)</b>	<b>RSK SOP-175</b>
	<b>114</b>	(60 - 120)			<b>RSK SOP-175</b>

### 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 #....: D6H170407      Work Order #....: JCTQ41AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H210000-446      JCTQ41AD-LCSD  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233446      Analysis Time...: 12:35  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Methane	73.0	61.0	ug/L	84		RSK SOP-175
	73.0	65.8	ug/L	90	7.5	RSK SOP-175
Ethane	137	118	ug/L	86		RSK SOP-175
	137	127	ug/L	92	7.2	RSK SOP-175
Ethene	127	116	ug/L	91		RSK SOP-175
	127	123	ug/L	97	6.1	RSK SOP-175
Acetylene	118	134	ug/L	113		RSK SOP-175
	118	135	ug/L	114	0.89	RSK SOP-175

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H170407      Work Order #....: JCCJ31HA-MS      Matrix.....: WATER  
 MS Lot-Sample #: F6H150137-001      JCCJ31HC-MSD  
 Date Sampled....: 08/14/06 07:10      Date Received...: 08/15/06  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233446      Analysis Time...: 14:54  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Methane	71	(51 - 165)			RSK SOP-175
	83	(51 - 165)	15	(0-20)	RSK SOP-175
Ethane	73	(46 - 175)			RSK SOP-175
	84	(46 - 175)	15	(0-20)	RSK SOP-175
Ethene	74	(62 - 168)			RSK SOP-175
	85	(62 - 168)	14	(0-20)	RSK SOP-175
Acetylene	76	(60 - 120)			RSK SOP-175
	87	(60 - 120)	13	(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

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: D6H170407      Work Order #....: JCCJ31HA-MS      Matrix.....: WATER  
 MS Lot-Sample #: F6H150137-001      JCCJ31HC-MSD  
 Date Sampled....: 08/14/06 07:10      Date Received...: 08/15/06  
 Prep Date.....: 08/18/06      Analysis Date...: 08/18/06  
 Prep Batch #....: 6233446      Analysis Time...: 14:54  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Methane	ND	73.0	51.9	ug/L	71		RSK SOP-175
	ND	73.0	60.4	ug/L	83	15	RSK SOP-175
Ethane	ND	137	99.5	ug/L	73		RSK SOP-175
	ND	137	116	ug/L	84	15	RSK SOP-175
Ethene	ND	127	93.6	ug/L	74		RSK SOP-175
	ND	127	108	ug/L	85	14	RSK SOP-175
Acetylene	ND	118	89.8	ug/L	76		RSK SOP-175
	ND	118	102	ug/L	87	13	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

GC Volatiles

Client Lot #...: D6H170407  
MB Lot-Sample #: D6H250000-450

Work Order #...: JC8AD1AA

Matrix.....: WATER

Analysis Date...: 08/22/06  
Dilution Factor: 1

Prep Date.....: 08/22/06  
Prep Batch #...: 6237450

Analysis Time...: 11:37

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)

**NOTE(S) :**

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

# METHOD BLANK REPORT

## GC Volatiles

Client Lot #...: D6H170407  
MB Lot-Sample #: D6H260000-106

Work Order #...: JC9NN1AA

Matrix.....: WATER

Analysis Date...: 08/25/06  
Dilution Factor: 1

Prep Date.....: 08/25/06  
Prep Batch #...: 6238106

Analysis Time...: 16:20

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	SW846 8021B
Ethylbenzene	ND	0.50	ug/L	SW846 8021B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8021B
Toluene	ND	0.50	ug/L	SW846 8021B
m-Xylene & p-Xylene	ND	0.50	ug/L	SW846 8021B
o-Xylene	ND	0.50	ug/L	SW846 8021B
Xylenes (total)	ND	0.50	ug/L	SW846 8021B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D6H170407      Work Order #...: JC8AD1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H250000-450      JC8AD1AD-LCSD  
 Prep Date.....: 08/22/06      Analysis Date...: 08/22/06  
 Prep Batch #...: 6237450      Analysis Time...: 10:27  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	111	(75 - 117)			SW846 8021B
	110	(75 - 117)	1.1	(0-45)	SW846 8021B
Ethylbenzene	100	(79 - 115)			SW846 8021B
	100	(79 - 115)	0.20	(0-46)	SW846 8021B
Chlorobenzene	99	(81 - 115)			SW846 8021B
	99	(81 - 115)	0.66	(0-35)	SW846 8021B
Toluene	104	(77 - 115)			SW846 8021B
	103	(77 - 115)	0.97	(0-45)	SW846 8021B
Xylenes (total)	101	(79 - 116)			SW846 8021B
	100	(79 - 116)	1.0	(0-46)	SW846 8021B
1,3-Dichlorobenzene	103	(80 - 115)			SW846 8021B
	103	(80 - 115)	0.18	(0-35)	SW846 8021B
1,4-Dichlorobenzene	100	(79 - 115)			SW846 8021B
	100	(79 - 115)	0.030	(0-35)	SW846 8021B
1,2-Dichlorobenzene	98	(80 - 115)			SW846 8021B
	98	(80 - 115)	0.37	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)
	94	(85 - 115)

### 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 #....: D6H170407      Work Order #....: JC8AD1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H250000-450      JC8AD1AD-LCSD  
 Prep Date.....: 08/22/06      Analysis Date...: 08/22/06  
 Prep Batch #....: 6237450      Analysis Time...: 10:27  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	22.2	ug/L	111		SW846 8021B
	20.0	22.0	ug/L	110	1.1	SW846 8021B
Ethylbenzene	20.0	20.1	ug/L	100		SW846 8021B
	20.0	20.1	ug/L	100	0.20	SW846 8021B
Chlorobenzene	20.0	19.8	ug/L	99		SW846 8021B
	20.0	19.7	ug/L	99	0.66	SW846 8021B
Toluene	20.0	20.9	ug/L	104		SW846 8021B
	20.0	20.7	ug/L	103	0.97	SW846 8021B
Xylenes (total)	60.0	60.8	ug/L	101		SW846 8021B
	60.0	60.2	ug/L	100	1.0	SW846 8021B
1,3-Dichlorobenzene	20.0	20.6	ug/L	103		SW846 8021B
	20.0	20.6	ug/L	103	0.18	SW846 8021B
1,4-Dichlorobenzene	20.0	20.0	ug/L	100		SW846 8021B
	20.0	20.0	ug/L	100	0.030	SW846 8021B
1,2-Dichlorobenzene	20.0	19.5	ug/L	98		SW846 8021B
	20.0	19.6	ug/L	98	0.37	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	95	(85 - 115)
	94	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H170407      Work Order #....: JC9NN1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H260000-106      JC9NN1AD-LCSD  
 Prep Date.....: 08/25/06      Analysis Date...: 08/25/06  
 Prep Batch #....: 6238106      Analysis Time...: 17:02  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	101	(75 - 117)			SW846 8021B
	99	(75 - 117)	2.2	(0-45)	SW846 8021B
Ethylbenzene	96	(79 - 115)			SW846 8021B
	94	(79 - 115)	2.2	(0-46)	SW846 8021B
Chlorobenzene	92	(81 - 115)			SW846 8021B
	90	(81 - 115)	1.4	(0-35)	SW846 8021B
Toluene	95	(77 - 115)			SW846 8021B
	93	(77 - 115)	2.2	(0-45)	SW846 8021B
Xylenes (total)	96	(79 - 116)			SW846 8021B
	94	(79 - 116)	2.2	(0-46)	SW846 8021B
1,3-Dichlorobenzene	95	(80 - 115)			SW846 8021B
	93	(80 - 115)	2.1	(0-35)	SW846 8021B
1,4-Dichlorobenzene	97	(79 - 115)			SW846 8021B
	96	(79 - 115)	0.99	(0-35)	SW846 8021B
1,2-Dichlorobenzene	94	(80 - 115)			SW846 8021B
	92	(80 - 115)	1.7	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	92	(85 - 115)
	94	(85 - 115)

### 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 #....: D6H170407      Work Order #....: JC9NN1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D6H260000-106      JC9NN1AD-LCSD  
 Prep Date.....: 08/25/06      Analysis Date...: 08/25/06  
 Prep Batch #....: 6238106      Analysis Time...: 17:02  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	20.3	ug/L	101		SW846 8021B
	20.0	19.8	ug/L	99	2.2	SW846 8021B
Ethylbenzene	20.0	19.3	ug/L	96		SW846 8021B
	20.0	18.8	ug/L	94	2.2	SW846 8021B
Chlorobenzene	20.0	18.3	ug/L	92		SW846 8021B
	20.0	18.1	ug/L	90	1.4	SW846 8021B
Toluene	20.0	19.1	ug/L	95		SW846 8021B
	20.0	18.7	ug/L	93	2.2	SW846 8021B
Xylenes (total)	60.0	57.4	ug/L	96		SW846 8021B
	60.0	56.1	ug/L	94	2.2	SW846 8021B
1,3-Dichlorobenzene	20.0	19.0	ug/L	95		SW846 8021B
	20.0	18.6	ug/L	93	2.1	SW846 8021B
1,4-Dichlorobenzene	20.0	19.3	ug/L	97		SW846 8021B
	20.0	19.1	ug/L	96	0.99	SW846 8021B
1,2-Dichlorobenzene	20.0	18.8	ug/L	94		SW846 8021B
	20.0	18.5	ug/L	92	1.7	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	92	(85 - 115)
	94	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H170407      Work Order #....: JCC111C0-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H150179-001      JCC111C1-MSD  
 Date Sampled....: 08/14/06 09:50      Date Received...: 08/15/06  
 Prep Date.....: 08/22/06      Analysis Date...: 08/23/06  
 Prep Batch #....: 6237450      Analysis Time...: 08:54  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	104	(75 - 117)			SW846 8021B
	112	(75 - 117)	7.4	(0-45)	SW846 8021B
Ethylbenzene	94	(79 - 115)			SW846 8021B
	101	(79 - 115)	7.5	(0-46)	SW846 8021B
Chlorobenzene	93	(81 - 115)			SW846 8021B
	100	(81 - 115)	6.8	(0-35)	SW846 8021B
Toluene	96	(77 - 115)			SW846 8021B
	103	(77 - 115)	6.9	(0-45)	SW846 8021B
Xylenes (total)	94	(79 - 116)			SW846 8021B
	101	(79 - 116)	6.9	(0-46)	SW846 8021B
1,3-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	103	(80 - 115)	6.2	(0-35)	SW846 8021B
1,4-Dichlorobenzene	93	(79 - 115)			SW846 8021B
	100	(79 - 115)	6.9	(0-35)	SW846 8021B
1,2-Dichlorobenzene	90	(80 - 115)			SW846 8021B
	97	(80 - 115)	6.9	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	97	(85 - 115)

### 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 Volatiles

Client Lot #....: D6H170407      Work Order #....: JCC111C0-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6H150179-001      JCC111C1-MSD  
 Date Sampled....: 08/14/06 09:50      Date Received...: 08/15/06  
 Prep Date.....: 08/22/06      Analysis Date...: 08/23/06  
 Prep Batch #....: 6237450      Analysis Time...: 08:54  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	20.8	ug/L	104		SW846 8021B
	ND	20.0	22.4	ug/L	112	7.4	SW846 8021B
Ethylbenzene	ND	20.0	18.8	ug/L	94		SW846 8021B
	ND	20.0	20.3	ug/L	101	7.5	SW846 8021B
Chlorobenzene	ND	20.0	18.6	ug/L	93		SW846 8021B
	ND	20.0	19.9	ug/L	100	6.8	SW846 8021B
Toluene	ND	20.0	19.6	ug/L	96		SW846 8021B
	ND	20.0	21.0	ug/L	103	6.9	SW846 8021B
Xylenes (total)	ND	60.0	57.0	ug/L	94		SW846 8021B
	ND	60.0	61.1	ug/L	101	6.9	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	19.3	ug/L	96		SW846 8021B
	ND	20.0	20.5	ug/L	103	6.2	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	18.6	ug/L	93		SW846 8021B
	ND	20.0	20.0	ug/L	100	6.9	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	18.1	ug/L	90		SW846 8021B
	ND	20.0	19.4	ug/L	97	6.9	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	97	(85 - 115)
	97	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D6H170407      Work Order #....: JC8G81AF-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6E180282-058      JC8G81AG-MSD  
 Date Sampled....: 08/14/06 07:00      Date Received...: 08/14/06  
 Prep Date.....: 08/25/06      Analysis Date...: 08/25/06  
 Prep Batch #....: 6238106      Analysis Time...: 19:26  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	111	(75 - 117)			SW846 8021B
	115	(75 - 117)	3.5	(0-45)	SW846 8021B
Ethylbenzene	100	(79 - 115)			SW846 8021B
	108	(79 - 115)	7.4	(0-46)	SW846 8021B
Chlorobenzene	98	(81 - 115)			SW846 8021B
	104	(81 - 115)	6.2	(0-35)	SW846 8021B
Toluene	101	(77 - 115)			SW846 8021B
	108	(77 - 115)	6.1	(0-45)	SW846 8021B
Xylenes (total)	97	(79 - 116)			SW846 8021B
	106	(79 - 116)	8.1	(0-46)	SW846 8021B
1,3-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	108	(80 - 115)	12	(0-35)	SW846 8021B
1,4-Dichlorobenzene	96	(79 - 115)			SW846 8021B
	110	(79 - 115)	13	(0-35)	SW846 8021B
1,2-Dichlorobenzene	96	(80 - 115)			SW846 8021B
	108	(80 - 115)	11	(0-35)	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	92	(85 - 115)
	90	(85 - 115)

### 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 Volatiles

Client Lot #....: D6H170407      Work Order #....: JC8G81AF-MS      Matrix.....: WATER  
 MS Lot-Sample #: D6E180282-058      JC8G81AG-MSD  
 Date Sampled....: 08/14/06 07:00      Date Received...: 08/14/06  
 Prep Date.....: 08/25/06      Analysis Date...: 08/25/06  
 Prep Batch #....: 6238106      Analysis Time...: 19:26  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	20.0	22.2	ug/L	111		SW846 8021B
	ND	20.0	23.0	ug/L	115	3.5	SW846 8021B
Ethylbenzene	ND	20.0	20.0	ug/L	100		SW846 8021B
	ND	20.0	21.6	ug/L	108	7.4	SW846 8021B
Chlorobenzene	ND	20.0	19.6	ug/L	98		SW846 8021B
	ND	20.0	20.8	ug/L	104	6.2	SW846 8021B
Toluene	ND	20.0	20.3	ug/L	101		SW846 8021B
	ND	20.0	21.6	ug/L	108	6.1	SW846 8021B
Xylenes (total)	ND	60.0	58.4	ug/L	97		SW846 8021B
	ND	60.0	63.3	ug/L	106	8.1	SW846 8021B
1,3-Dichlorobenzene	ND	20.0	19.2	ug/L	96		SW846 8021B
	ND	20.0	21.6	ug/L	108	12	SW846 8021B
1,4-Dichlorobenzene	ND	20.0	19.3	ug/L	96		SW846 8021B
	ND	20.0	22.0	ug/L	110	13	SW846 8021B
1,2-Dichlorobenzene	ND	20.0	19.3	ug/L	96		SW846 8021B
	ND	20.0	21.6	ug/L	108	11	SW846 8021B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	92	(85 - 115)
	90	(85 - 115)

### NOTE(S) :

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

Bold print denotes control parameters

# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: D6H170407

Matrix.....: WATER

REPORTING					PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
MB Lot-Sample #: D6H210000-210    Prep Batch #...: 6233210						
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AA
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Barium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AC
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AD
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AE
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AF
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Manganese	ND	1.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AG
		Dilution Factor: 1				
		Analysis Time...: 03:24				
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/22-08/23/06	JCR1M1AH
		Dilution Factor: 1				
		Analysis Time...: 03:24				
MB Lot-Sample #: D6H220000-459    Prep Batch #...: 6234459						
Calcium	ND	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCW7A1AA
		Dilution Factor: 1				
		Analysis Time...: 12:58				
Iron	ND	100	ug/L	MCAWW 200.7	08/23-08/24/06	JCW7A1AC
		Dilution Factor: 1				
		Analysis Time...: 12:58				
Magnesium	ND	200	ug/L	MCAWW 200.7	08/23-08/24/06	JCW7A1AD
		Dilution Factor: 1				
		Analysis Time...: 12:58				

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# METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: D6H170407

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Potassium	ND	3000	ug/L	MCAWW 200.7	08/23-08/24/06	JCW7A1AE
		Dilution Factor: 1				
		Analysis Time...: 12:58				
Sodium	ND	5000	ug/L	MCAWW 200.7	08/23-08/24/06	JCW7A1AF
		Dilution Factor: 1				
		Analysis Time...: 12:58				

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #....: D6H170407

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>LCS Lot-Sample#:</b> D6H210000-210 <b>Prep Batch #....:</b> 6233210					
Arsenic	97	(89 - 111)	MCAWW 200.8	08/22-08/23/06	JCR1M1AJ
		Dilution Factor: 1	Analysis Time...: 03:28		
Barium	100	(89 - 117)	MCAWW 200.8	08/22-08/23/06	JCR1M1AK
		Dilution Factor: 1	Analysis Time...: 03:28		
Cadmium	99	(89 - 111)	MCAWW 200.8	08/22-08/23/06	JCR1M1AL
		Dilution Factor: 1	Analysis Time...: 03:28		
Chromium	108	(86 - 124)	MCAWW 200.8	08/22-08/23/06	JCR1M1AM
		Dilution Factor: 1	Analysis Time...: 03:28		
Lead	97	(88 - 119)	MCAWW 200.8	08/22-08/23/06	JCR1M1AN
		Dilution Factor: 1	Analysis Time...: 03:28		
Manganese	103	(87 - 124)	MCAWW 200.8	08/22-08/23/06	JCR1M1AP
		Dilution Factor: 1	Analysis Time...: 03:28		
Selenium	95	(82 - 114)	MCAWW 200.8	08/22-08/23/06	JCR1M1AQ
		Dilution Factor: 1	Analysis Time...: 03:28		
<b>LCS Lot-Sample#:</b> D6H220000-459 <b>Prep Batch #....:</b> 6234459					
Calcium	100	(90 - 111)	MCAWW 200.7	08/23-08/24/06	JCW7A1AG
		Dilution Factor: 1	Analysis Time...: 13:03		
Iron	99	(89 - 116)	MCAWW 200.7	08/23-08/24/06	JCW7A1AH
		Dilution Factor: 1	Analysis Time...: 13:03		
Magnesium	99	(92 - 113)	MCAWW 200.7	08/23-08/24/06	JCW7A1AJ
		Dilution Factor: 1	Analysis Time...: 13:03		
Potassium	102	(89 - 114)	MCAWW 200.7	08/23-08/24/06	JCW7A1AK
		Dilution Factor: 1	Analysis Time...: 13:03		
Sodium	103	(90 - 117)	MCAWW 200.7	08/23-08/24/06	JCW7A1AL
		Dilution Factor: 1	Analysis Time...: 13:03		

### NOTE(S) :

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

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Client Lot #...:** D6H170407

**Matrix.....:** WATER

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> D6H210000-210 <b>Prep Batch #...:</b> 6233210							
Arsenic	40.0	38.9	ug/L	97	MCAWW 200.8	08/22-08/23/06	JCR1M1AJ
				Dilution Factor: 1	Analysis Time...: 03:28		
Barium	40.0	40.2	ug/L	100	MCAWW 200.8	08/22-08/23/06	JCR1M1AK
				Dilution Factor: 1	Analysis Time...: 03:28		
Cadmium	40.0	39.6	ug/L	99	MCAWW 200.8	08/22-08/23/06	JCR1M1AL
				Dilution Factor: 1	Analysis Time...: 03:28		
Chromium	40.0	43.1	ug/L	108	MCAWW 200.8	08/22-08/23/06	JCR1M1AM
				Dilution Factor: 1	Analysis Time...: 03:28		
Lead	40.0	38.8	ug/L	97	MCAWW 200.8	08/22-08/23/06	JCR1M1AN
				Dilution Factor: 1	Analysis Time...: 03:28		
Manganese	40.0	41.1	ug/L	103	MCAWW 200.8	08/22-08/23/06	JCR1M1AP
				Dilution Factor: 1	Analysis Time...: 03:28		
Selenium	40.0	38.2	ug/L	95	MCAWW 200.8	08/22-08/23/06	JCR1M1AQ
				Dilution Factor: 1	Analysis Time...: 03:28		
<b>LCS Lot-Sample#:</b> D6H220000-459 <b>Prep Batch #...:</b> 6234459							
Calcium	50000	49900	ug/L	100	MCAWW 200.7	08/23-08/24/06	JCW7A1AG
				Dilution Factor: 1	Analysis Time...: 13:03		
Iron	1000	991	ug/L	99	MCAWW 200.7	08/23-08/24/06	JCW7A1AH
				Dilution Factor: 1	Analysis Time...: 13:03		
Magnesium	50000	49300	ug/L	99	MCAWW 200.7	08/23-08/24/06	JCW7A1AJ
				Dilution Factor: 1	Analysis Time...: 13:03		
Potassium	50000	50900	ug/L	102	MCAWW 200.7	08/23-08/24/06	JCW7A1AK
				Dilution Factor: 1	Analysis Time...: 13:03		
Sodium	50000	51300	ug/L	103	MCAWW 200.7	08/23-08/24/06	JCW7A1AL
				Dilution Factor: 1	Analysis Time...: 13:03		

**NOTE(S) :**

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #...: D6H170407

Matrix.....: WATER

Date Sampled...: 08/16/06 19:00 Date Received...: 08/17/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6H170407-003 Prep Batch #...: 6233210							
Arsenic	102	(79 - 120)			MCAWW 200.8	08/22-08/23/06	JCL061A4
	100	(79 - 120)	1.9	(0-30)	MCAWW 200.8	08/22-08/23/06	JCL061A5
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Barium	98	(83 - 118)			MCAWW 200.8	08/22-08/23/06	JCL061A6
	98	(83 - 118)	0.21	(0-30)	MCAWW 200.8	08/22-08/23/06	JCL061A7
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Cadmium	98	(82 - 115)			MCAWW 200.8	08/22-08/23/06	JCL061A8
	98	(82 - 115)	0.63	(0-30)	MCAWW 200.8	08/22-08/23/06	JCL061A9
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Chromium	107	(80 - 124)			MCAWW 200.8	08/22-08/23/06	JCL061CA
	107	(80 - 124)	0.04	(0-30)	MCAWW 200.8	08/22-08/23/06	JCL061CC
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Lead	93	(79 - 119)			MCAWW 200.8	08/22-08/23/06	JCL061CD
	91	(79 - 119)	1.7	(0-30)	MCAWW 200.8	08/22-08/23/06	JCL061CE
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Manganese	112	(57 - 149)			MCAWW 200.8	08/22-08/23/06	JCL061CF
	111	(57 - 149)	0.71	(0-35)	MCAWW 200.8	08/22-08/23/06	JCL061CG
					Dilution Factor: 1		
					Analysis Time...: 04:07		
Selenium	96	(64 - 134)			MCAWW 200.8	08/22-08/23/06	JCL061CH
	99	(64 - 134)	1.8	(0-35)	MCAWW 200.8	08/22-08/23/06	JCL061CJ
					Dilution Factor: 1		
					Analysis Time...: 04:07		

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H170407

Matrix.....: WATER

Date Sampled...: 08/16/06 19:00 Date Received...: 08/17/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D6H170407-003 Prep Batch #...: 6233210									
Arsenic									
ND	40.0		40.8	ug/L	102		MCAWW 200.8	08/22-08/23/06	JCL061A4
ND	40.0		40.0	ug/L	100	1.9	MCAWW 200.8	08/22-08/23/06	JCL061A5
Dilution Factor: 1									
Analysis Time...: 04:07									
Barium									
19	40.0		58.3	ug/L	98		MCAWW 200.8	08/22-08/23/06	JCL061A6
19	40.0		58.2	ug/L	98	0.21	MCAWW 200.8	08/22-08/23/06	JCL061A7
Dilution Factor: 1									
Analysis Time...: 04:07									
Cadmium									
ND	40.0		39.1	ug/L	98		MCAWW 200.8	08/22-08/23/06	JCL061A8
ND	40.0		39.3	ug/L	98	0.63	MCAWW 200.8	08/22-08/23/06	JCL061A9
Dilution Factor: 1									
Analysis Time...: 04:07									
Chromium									
ND	40.0		45.5	ug/L	107		MCAWW 200.8	08/22-08/23/06	JCL061CA
ND	40.0		45.5	ug/L	107	0.04	MCAWW 200.8	08/22-08/23/06	JCL061CC
Dilution Factor: 1									
Analysis Time...: 04:07									
Lead									
ND	40.0		37.4	ug/L	93		MCAWW 200.8	08/22-08/23/06	JCL061CD
ND	40.0		36.8	ug/L	91	1.7	MCAWW 200.8	08/22-08/23/06	JCL061CE
Dilution Factor: 1									
Analysis Time...: 04:07									
Manganese									
ND	40.0		44.9	ug/L	112		MCAWW 200.8	08/22-08/23/06	JCL061CF
ND	40.0		44.6	ug/L	111	0.71	MCAWW 200.8	08/22-08/23/06	JCL061CG
Dilution Factor: 1									
Analysis Time...: 04:07									
Selenium									
14	40.0		52.2	ug/L	96		MCAWW 200.8	08/22-08/23/06	JCL061CH
14	40.0		53.2	ug/L	99	1.8	MCAWW 200.8	08/22-08/23/06	JCL061CJ
Dilution Factor: 1									
Analysis Time...: 04:07									

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## TOTAL Metals

Client Lot #....: D6H170407

Matrix.....: WATER

Date Sampled....: 08/16/06 09:30 Date Received...: 08/17/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MS Lot-Sample #:</b> D6H170407-001 <b>Prep Batch #....:</b> 6234459						
Calcium	96	(90 - 111)		MCAWW 200.7	08/23-08/24/06	JCL001CD
	92	(90 - 111) 2.2	(0-20)	MCAWW 200.7	08/23-08/24/06	JCL001CE
		Dilution Factor: 1				
		Analysis Time...: 13:17				
Iron	98	(89 - 116)		MCAWW 200.7	08/23-08/24/06	JCL001CF
	94	(89 - 116) 4.4	(0-20)	MCAWW 200.7	08/23-08/24/06	JCL001CG
		Dilution Factor: 1				
		Analysis Time...: 13:17				
Magnesium	96	(92 - 113)		MCAWW 200.7	08/23-08/24/06	JCL001CH
	92	(92 - 113) 2.9	(0-20)	MCAWW 200.7	08/23-08/24/06	JCL001CJ
		Dilution Factor: 1				
		Analysis Time...: 13:17				
Potassium	103	(89 - 114)		MCAWW 200.7	08/23-08/24/06	JCL001CK
	99	(89 - 114) 4.1	(0-20)	MCAWW 200.7	08/23-08/24/06	JCL001CL
		Dilution Factor: 1				
		Analysis Time...: 13:17				
Sodium	98	(90 - 117)		MCAWW 200.7	08/23-08/24/06	JCL001CM
	94	(90 - 117) 1.5	(0-20)	MCAWW 200.7	08/23-08/24/06	JCL001CN
		Dilution Factor: 1				
		Analysis Time...: 13:17				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: D6H170407

Matrix.....: WATER

Date Sampled...: 08/16/06 09:30 Date Received...: 08/17/06

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D6H170407-001 Prep Batch #...: 6234459

### Calcium

57000	50000	105000	ug/L	96			MCAWW 200.7	08/23-08/24/06	JCL001CD
57000	50000	103000	ug/L	92	2.2		MCAWW 200.7	08/23-08/24/06	JCL001CE
Dilution Factor: 1									
Analysis Time...: 13:17									

### Iron

ND	1000	998	ug/L	98			MCAWW 200.7	08/23-08/24/06	JCL001CF
ND	1000	955	ug/L	94	4.4		MCAWW 200.7	08/23-08/24/06	JCL001CG
Dilution Factor: 1									
Analysis Time...: 13:17									

### Magnesium

27000	50000	75000	ug/L	96			MCAWW 200.7	08/23-08/24/06	JCL001CH
27000	50000	72800	ug/L	92	2.9		MCAWW 200.7	08/23-08/24/06	JCL001CJ
Dilution Factor: 1									
Analysis Time...: 13:17									

### Potassium

ND	50000	53300	ug/L	103			MCAWW 200.7	08/23-08/24/06	JCL001CK
ND	50000	51200	ug/L	99	4.1		MCAWW 200.7	08/23-08/24/06	JCL001CL
Dilution Factor: 1									
Analysis Time...: 13:17									

### Sodium

69000	50000	118000	ug/L	98			MCAWW 200.7	08/23-08/24/06	JCL001CM
69000	50000	116000	ug/L	94	1.5		MCAWW 200.7	08/23-08/24/06	JCL001CN
Dilution Factor: 1									
Analysis Time...: 13:17									

### NOTE(S) :

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

# METHOD BLANK REPORT

## General Chemistry

Client Lot #....: D6H170407

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate, as CaCO3	ND	Work Order #: JDC7E1AA 5.0	mg/L	MB Lot-Sample #: D6H290000-174 MCAWW 310.1	08/28/06	6241174
Dilution Factor: 1 Analysis Time...: 15:00						
Bromide	ND	Work Order #: JCTMM1AA 0.20	mg/L	MB Lot-Sample #: D6H180000-517 MCAWW 300.0A	08/17/06	6230517
Dilution Factor: 1 Analysis Time...: 15:33						
Carbonate, as CaCO3	ND	Work Order #: JDC7T1AA 5.0	mg/L	MB Lot-Sample #: D6H290000-184 MCAWW 310.1	08/28/06	6241184
Dilution Factor: 1 Analysis Time...: 15:00						
Chloride	ND	Work Order #: JDDHJ1AA 3.0	mg/L	MB Lot-Sample #: D6H290000-083 MCAWW 300.0A	08/28/06	6241083
Dilution Factor: 1 Analysis Time...: 08:37						
Fluoride	ND	Work Order #: JCTKW1AA 0.50	mg/L	MB Lot-Sample #: D6H180000-514 MCAWW 300.0A	08/17/06	6230514
Dilution Factor: 1 Analysis Time...: 15:33						
Nitrate	ND	Work Order #: JCTMV1AA 0.50	mg/L	MB Lot-Sample #: D6H180000-515 MCAWW 300.0A	08/17/06	6230515
Dilution Factor: 1 Analysis Time...: 15:33						
Nitrite	ND	Work Order #: JCTLH1AA 0.50	mg/L	MB Lot-Sample #: D6H180000-516 MCAWW 300.0A	08/17/06	6230516
Dilution Factor: 1 Analysis Time...: 15:33						
Sulfate	ND	Work Order #: JCTM31AA 5.0	mg/L	MB Lot-Sample #: D6H180000-512 MCAWW 300.0A	08/17/06	6230512
Dilution Factor: 1 Analysis Time...: 15:33						
Sulfate	ND	Work Order #: JCX161AA 5.0	mg/L	MB Lot-Sample #: D6H220000-585 MCAWW 300.0A	08/21/06	6234585
Dilution Factor: 1 Analysis Time...: 21:09						

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D6H170407

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	08/22/06	6234610
Work Order #: JC5HX1AA MB Lot-Sample #: D6H220000-610						
Dilution Factor: 1						
Analysis Time...: 14:00						

**NOTE(S) :**

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

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #....: D6H170407

Matrix.....: WATER

	PERCENT	RECOVERY	RPD	PREPARATION-	PREP
PARAMETER	RECOVERY	LIMITS	RPD	ANALYSIS DATE	BATCH #
pH		WO#:JCQQ01AA-LCS/JCQQ01AC-LCSD LCS Lot-Sample#: D6H180000-640			
	100	(97 - 102)		MCAWW 150.1	08/18/06 6230640
	100	(97 - 102) 0.14 (0-5.0)	MCAWW 150.1	08/18/06	6230640
		Dilution Factor: 1	Analysis Time...: 11:43		
Bromide		WO#:JCTMM1AC-LCS/JCTMM1AD-LCSD LCS Lot-Sample#: D6H180000-517			
	99	(90 - 110)		MCAWW 300.0A	08/17/06 6230517
	99	(90 - 110) 0.14 (0-10)	MCAWW 300.0A	08/17/06	6230517
		Dilution Factor: 1	Analysis Time...: 15:00		
Chloride		WO#:JDDHJ1AC-LCS/JDDHJ1AD-LCSD LCS Lot-Sample#: D6H290000-083			
	102	(90 - 110)		MCAWW 300.0A	08/28/06 6241083
	102	(90 - 110) 0.0 (0-10)	MCAWW 300.0A	08/28/06	6241083
		Dilution Factor: 1	Analysis Time...: 08:11		
Fluoride		WO#:JCTKW1AC-LCS/JCTKW1AD-LCSD LCS Lot-Sample#: D6H180000-514			
	97	(90 - 110)		MCAWW 300.0A	08/17/06 6230514
	97	(90 - 110) 0.03 (0-10)	MCAWW 300.0A	08/17/06	6230514
		Dilution Factor: 1	Analysis Time...: 15:00		
Nitrate		WO#:JCTMV1AC-LCS/JCTMV1AD-LCSD LCS Lot-Sample#: D6H180000-515			
	94	(90 - 110)		MCAWW 300.0A	08/17/06 6230515
	95	(90 - 110) 0.68 (0-10)	MCAWW 300.0A	08/17/06	6230515
		Dilution Factor: 1	Analysis Time...: 15:00		
Nitrite		WO#:JCTLH1AC-LCS/JCTLH1AD-LCSD LCS Lot-Sample#: D6H180000-516			
	98	(90 - 110)		MCAWW 300.0A	08/17/06 6230516
	98	(90 - 110) 0.14 (0-10)	MCAWW 300.0A	08/17/06	6230516
		Dilution Factor: 1	Analysis Time...: 15:00		
Sulfate		WO#:JCTM31AC-LCS/JCTM31AD-LCSD LCS Lot-Sample#: D6H180000-512			
	96	(90 - 110)		MCAWW 300.0A	08/17/06 6230512
	96	(90 - 110) 0.15 (0-10)	MCAWW 300.0A	08/17/06	6230512
		Dilution Factor: 1	Analysis Time...: 15:00		
Sulfate		WO#:JCX161AC-LCS/JCX161AD-LCSD LCS Lot-Sample#: D6H220000-585			
	96	(90 - 110)		MCAWW 300.0A	08/21/06 6234585
	96	(90 - 110) 0.41 (0-10)	MCAWW 300.0A	08/21/06	6234585
		Dilution Factor: 1	Analysis Time...: 20:36		

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D6H170407

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:JC5HX1AC-LCS/JC5HX1AD-LCSD LCS Lot-Sample#: D6H220000-610				
	99	(86 - 106)		MCAWW 160.1	08/22/06	6234610
	100	(86 - 106)	0.80 (0-20)	MCAWW 160.1	08/22/06	6234610
		Dilution Factor: 1		Analysis Time...: 14:00		

### NOTE(S) :

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

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H170407

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVR	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH								
			WO#:JCQQ01AA-LCS/JCQQ01AC-LCSD LCS Lot-Sample#: D6H180000-640					
	7.00	7.02	No Units	100		MCAWW 150.1	08/18/06	6230640
	7.00	7.03	No Units	100	0.14	MCAWW 150.1	08/18/06	6230640
			Dilution Factor: 1		Analysis Time...: 11:43			
Bromide								
			WO#:JCTMM1AC-LCS/JCTMM1AD-LCSD LCS Lot-Sample#: D6H180000-517					
	5.00	4.94	mg/L	99		MCAWW 300.0A	08/17/06	6230517
	5.00	4.93	mg/L	99	0.14	MCAWW 300.0A	08/17/06	6230517
			Dilution Factor: 1		Analysis Time...: 15:00			
Chloride								
			WO#:JDDHJ1AC-LCS/JDDHJ1AD-LCSD LCS Lot-Sample#: D6H290000-083					
	25.0	25.5	mg/L	102		MCAWW 300.0A	08/28/06	6241083
	25.0	25.5	mg/L	102	0.0	MCAWW 300.0A	08/28/06	6241083
			Dilution Factor: 1		Analysis Time...: 08:11			
Fluoride								
			WO#:JCTKW1AC-LCS/JCTKW1AD-LCSD LCS Lot-Sample#: D6H180000-514					
	5.00	4.87	mg/L	97		MCAWW 300.0A	08/17/06	6230514
	5.00	4.87	mg/L	97	0.03	MCAWW 300.0A	08/17/06	6230514
			Dilution Factor: 1		Analysis Time...: 15:00			
Nitrate								
			WO#:JCTMV1AC-LCS/JCTMV1AD-LCSD LCS Lot-Sample#: D6H180000-515					
	5.00	4.72	mg/L	94		MCAWW 300.0A	08/17/06	6230515
	5.00	4.75	mg/L	95	0.68	MCAWW 300.0A	08/17/06	6230515
			Dilution Factor: 1		Analysis Time...: 15:00			
Nitrite								
			WO#:JCTLH1AC-LCS/JCTLH1AD-LCSD LCS Lot-Sample#: D6H180000-516					
	5.00	4.89	mg/L	98		MCAWW 300.0A	08/17/06	6230516
	5.00	4.88	mg/L	98	0.14	MCAWW 300.0A	08/17/06	6230516
			Dilution Factor: 1		Analysis Time...: 15:00			
Sulfate								
			WO#:JCTM31AC-LCS/JCTM31AD-LCSD LCS Lot-Sample#: D6H180000-512					
	25.0	23.9	mg/L	96		MCAWW 300.0A	08/17/06	6230512
	25.0	23.9	mg/L	96	0.15	MCAWW 300.0A	08/17/06	6230512
			Dilution Factor: 1		Analysis Time...: 15:00			
Sulfate								
			WO#:JCX161AC-LCS/JCX161AD-LCSD LCS Lot-Sample#: D6H220000-585					
	25.0	24.1	mg/L	96		MCAWW 300.0A	08/21/06	6234585
	25.0	24.0	mg/L	96	0.41	MCAWW 300.0A	08/21/06	6234585
			Dilution Factor: 1		Analysis Time...: 20:36			

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# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D6H170407

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved								
WO#:JC5HX1AC-LCS/JC5HX1AD-LCSD LCS Lot-Sample#: D6H220000-610								
Solids								
	500	496	mg/L	99		MCAWW 160.1	08/22/06	6234610
	500	500	mg/L	100	0.80	MCAWW 160.1	08/22/06	6234610
Dilution Factor: 1				Analysis Time...: 14:00				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H170407

Matrix.....: WATER

Date Sampled...: 08/16/06 17:35 Date Received...: 08/17/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: JCL001A8-MS/JCL001A9-MSD MS Lot-Sample #: D6H170407-001				
	104	(80 - 120)			MCAWW 300.0A	08/17/06	6230517
	103	(80 - 120)	0.90	(0-20)	MCAWW 300.0A	08/17/06	6230517
			Dilution Factor: 1				
			Analysis Time...: 23:20				
Chloride			WO#: JCLP11AV-MS/JCLP11AW-MSD MS Lot-Sample #: D6H170374-003				
	105	(85 - 115)			MCAWW 300.0A	08/28/06	6240487
	106	(85 - 115)	0.37	(0-20)	MCAWW 300.0A	08/28/06	6240487
			Dilution Factor: 1				
			Analysis Time...: 09:30				
Fluoride			WO#: JCL001A4-MS/JCL001A5-MSD MS Lot-Sample #: D6H170407-001				
	99	(80 - 120)			MCAWW 300.0A	08/17/06	6230514
	99	(80 - 120)	0.33	(0-20)	MCAWW 300.0A	08/17/06	6230514
			Dilution Factor: 1				
			Analysis Time...: 23:20				
Nitrate			WO#: JCL001CA-MS/JCL001CC-MSD MS Lot-Sample #: D6H170407-001				
	96	(80 - 120)			MCAWW 300.0A	08/17/06	6230515
	95	(80 - 120)	0.78	(0-20)	MCAWW 300.0A	08/17/06	6230515
			Dilution Factor: 1				
			Analysis Time...: 23:20				
Nitrite			WO#: JCJTR1CK-MS/JCJTR1CL-MSD MS Lot-Sample #: D6H170162-004				
	102	(85 - 115)			MCAWW 300.0A	08/17/06	6230485
	103	(85 - 115)	1.3	(0-20)	MCAWW 300.0A	08/17/06	6230485
			Dilution Factor: 1				
			Analysis Time...: 17:13				
Sulfate			WO#: JAD5V1AF-MS/JAD5V1AG-MSD MS Lot-Sample #: D6H010167-004				
	101	(80 - 120)			MCAWW 300.0A	08/21-08/22/06	6234578
	100	(80 - 120)	0.26	(0-20)	MCAWW 300.0A	08/21-08/22/06	6234578
			Dilution Factor: 5				
			Analysis Time...: 08:35				
Sulfate			WO#: JCJTR1CT-MS/JCJTR1CU-MSD MS Lot-Sample #: D6H170162-004				
	107	(85 - 115)			MCAWW 300.0A	08/17/06	6230487
	108	(85 - 115)	0.92	(0-20)	MCAWW 300.0A	08/17/06	6230487
			Dilution Factor: 1				
			Analysis Time...: 17:13				

### NOTE(S) :

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

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D6H170407

Matrix.....: WATER

Date Sampled...: 08/16/06 17:35 Date Received...: 08/17/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide									
WO#: JCL001A8-MS/JCL001A9-MSD MS Lot-Sample #: D6H170407-001									
	ND	5.00	5.21	mg/L	104		MCAWW 300.0A	08/17/06	6230517
	ND	5.00	5.17	mg/L	103	0.90	MCAWW 300.0A	08/17/06	6230517
Dilution Factor: 1									
Analysis Time...: 23:20									
Chloride									
WO#: JCLP11AV-MS/JCLP11AW-MSD MS Lot-Sample #: D6H170374-003									
	15	25.0	41.7	mg/L	105		MCAWW 300.0A	08/28/06	6240487
	15	25.0	41.8	mg/L	106	0.37	MCAWW 300.0A	08/28/06	6240487
Dilution Factor: 1									
Analysis Time...: 09:30									
Fluoride									
WO#: JCL001A4-MS/JCL001A5-MSD MS Lot-Sample #: D6H170407-001									
	0.62	5.00	5.57	mg/L	99		MCAWW 300.0A	08/17/06	6230514
	0.62	5.00	5.55	mg/L	99	0.33	MCAWW 300.0A	08/17/06	6230514
Dilution Factor: 1									
Analysis Time...: 23:20									
Nitrate									
WO#: JCL001CA-MS/JCL001CC-MSD MS Lot-Sample #: D6H170407-001									
	ND	5.00	5.27	mg/L	96		MCAWW 300.0A	08/17/06	6230515
	ND	5.00	5.23	mg/L	95	0.78	MCAWW 300.0A	08/17/06	6230515
Dilution Factor: 1									
Analysis Time...: 23:20									
Nitrite									
WO#: JCLJTR1CK-MS/JCLJTR1CL-MSD MS Lot-Sample #: D6H170162-004									
	ND	5.00	5.08	mg/L	102		MCAWW 300.0A	08/17/06	6230485
	ND	5.00	5.15	mg/L	103	1.3	MCAWW 300.0A	08/17/06	6230485
Dilution Factor: 1									
Analysis Time...: 17:13									
Sulfate									
WO#: JAD5V1AF-MS/JAD5V1AG-MSD MS Lot-Sample #: D6H010167-004									
	49	125	175	mg/L	101		MCAWW 300.0A	08/21-08/22/06	6234578
	49	125	174	mg/L	100	0.26	MCAWW 300.0A	08/21-08/22/06	6234578
Dilution Factor: 5									
Analysis Time...: 08:35									
Sulfate									
WO#: JCLJTR1CT-MS/JCLJTR1CU-MSD MS Lot-Sample #: D6H170162-004									
	16	25.0	42.5	mg/L	107		MCAWW 300.0A	08/17/06	6230487
	16	25.0	42.9	mg/L	108	0.92	MCAWW 300.0A	08/17/06	6230487
Dilution Factor: 1									
Analysis Time...: 17:13									

### NOTE(S) :

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

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H170407

Work Order #....: JCJTR-SMP  
JCJTR-DUP

Matrix.....: WATER

Date Sampled....: 08/16/06 09:00 Date Received...: 08/17/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrite	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: D6H170162-004 MCAWW 300.0A	08/17/06	6230485
				Dilution Factor: 1	Analysis Time...: 16:40			

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H170407

Work Order #...: JCLP1-SMP  
JCLP1-DUP

Matrix.....: WATER

Date Sampled...: 08/16/06 17:35 Date Received...: 08/17/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	15	15	mg/L	0.039	(0-20)	SD Lot-Sample #: D6H170374-003 MCAWW 300.0A	08/28/06	6240487
				Dilution Factor: 1		Analysis Time...: 08:59		

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D6H170407

Work Order #....: JCM2M-SMP  
JCM2M-DUP

Matrix.....: WATER

Date Sampled....: 08/17/06 12:45 Date Received...: 08/18/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH	7.7	7.7	No Units	0.13	(0-5.0)	MCAWW 150.1	08/18/06	6230640
				Dilution Factor: 1	Analysis Time...: 13:30			

SD Lot-Sample #: D6H180156-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D6H170407

Work Order #...: JCJ9K-SMP  
JCJ9K-DUP

Matrix.....: WATER

Date Sampled...: 08/16/06 10:30

Date Received...: 08/17/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D6H170208-005		
Solids	860	870	mg/L	0.58	(0-20)	MCAWW 160.1	08/22/06	6234610
			Dilution Factor: 1		Analysis Time...: 14:00			

Chain of Custody Record

STL-4124 (0901)

8/17/06 49°C 92

SEVERN  
TRENT

STL

Severn Trent Laboratories, Inc.

STL Denver  
4955 Yarrow Street  
Avrarda, CO 80002

Client

SSPA / CO GSC

Project Manager

Ryan Grissby

Date

8/17/06

Chain of Custody Number

336524

Address

1877 BROADWAY S703

Telephone Number (Area Code)/Fax Number

303-939-8880

Lab Number

303-736-0100

Page

1 of 1

City

CO 80302

Site Contact

C. Pearcey

Lab Contact

Mike Phillips

Project Name and Location (State)

CO GSC - Garfield County (CO)

Carrier/Weighbill Number

SSP-1049

Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No.

69286

Special Instructions/  
Conditions of Receipt

Sample I.D. No. and Description  
(Containers for each sample may be combined on one line)

Date

Time

Air Aqueous Sed. Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

Containers & Preservatives

EPA 300.0

EPA 300.1/5M2003

EPA 200.7

EPA 150.1

EPA 160.1

SW 8021

RSK 175

EPA 200.8

ASG-SS92W-26 1 2L

8/16/06 9:36

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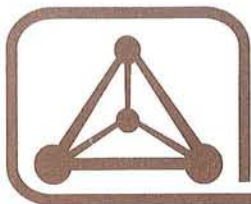
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&lt;



# ISOTECH®

[www.isotechlabs.com](http://www.isotechlabs.com) [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court Champaign, IL 61821-1826 Telephone 217/398-3490 FAX 217/398-3493

September 18, 2006

Christine Pearey  
SS Papadopoulos & Associates  
1877 Broadway, Suite 703  
Boulder, CO 80303

Dear Christine:

Enclosed are the analysis reports for the water well samples recently submitted from your project SSP-1049. These samples were assigned to Isotech job numbers 7483, 7485, 7516, and 7527. These are the same data that were emailed to you earlier. If you have any questions, or if there is anything else we can do for you, please do not hesitate to contact us.

We will hold the samples until 09/29/06 in case you should want any additional analyses carried out and will then dispose of the remaining sample material. If you need us to hold the samples longer, please contact us. I have also enclosed an invoice for this work and would appreciate it if you would pass it on to the appropriate office for processing. Thank you for choosing Isotech for your analysis needs, we appreciate your business.

Sincerely,

Steven R. Pelphrey  
Laboratory Manager

Enclosure

SRP:cw

# ANALYSIS REPORT

Lab #: 101873 Job #: 7483  
Sample Name/Number: Blair-5S92W-36  
Company: S S Papadopoulos  
Date Sampled: 8/01/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: Garfield, CO  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.35			
Oxygen -----	11.04			
Nitrogen -----	85.06			
Carbon Dioxide -----	2.55	-21.66		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0  
Specific gravity, calculated: 1.002

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.75

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101874 Job #: 7483  
Sample Name/Number: SUITES-5S92W-35  
Company: S S Papadopoulos  
Date Sampled: 7/31/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 225 CR 266  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0019			
Hydrogen -----	nd			
Argon -----	1.04			
Oxygen -----	19.07			
Nitrogen -----	78.63			
Carbon Dioxide -----	1.26	-19.24		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0  
Specific gravity, calculated: 1.005

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101875 Job #: 7483  
Sample Name/Number: Patton 5S92W-36  
Company: S S Papadopoulos  
Date Sampled: 7/31/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 7393 CR 233  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.27			
Oxygen -----	10.68			
Nitrogen -----	76.08			
Carbon Dioxide -----	11.97	-20.90		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.053

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.71

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101876 Job #: 7483  
Sample Name/Number: COSTAZ-6S92W-6  
Company: S S Papadopoulos  
Date Sampled: 8/01/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 514 CR 225  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.33			
Oxygen -----	13.92			
Nitrogen -----	72.01			
Carbon Dioxide -----	12.74	-22.39		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.062

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.75

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101877 Job #: 7483  
Sample Name/Number: STEWART-6S93W-1  
Company: S S Papadopoulos  
Date Sampled: 7/31/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 2888 CR 210  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.49			
Oxygen -----	1.89			
Nitrogen -----	89.73			
Carbon Dioxide -----	6.89	-21.54		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.014

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.76

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101878 Job #: 7483  
Sample Name/Number: PENN-5S92W-31  
Company: S S Papadopoulos  
Date Sampled: 8/01/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 0318 CR 297  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.42			
Oxygen -----	6.78			
Nitrogen -----	80.25			
Carbon Dioxide -----	11.55	-20.96		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.046

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101879 Job #: 7483  
Sample Name/Number: BAIN-6S93W-10  
Company: S S Papadopoulos  
Date Sampled: 8/01/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 1983 CR 293  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.27			
Oxygen -----	17.67			
Nitrogen -----	72.31			
Carbon Dioxide -----	8.75	-21.29		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.045

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.76

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101880 Job #: 7483  
Sample Name/Number: WININGTON-6293W-3  
Company: S S Papadopoulos  
Date Sampled: 7/31/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 720 County Rd 233  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.29			
Oxygen -----	20.57			
Nitrogen -----	69.80			
Carbon Dioxide -----	8.34	-20.14		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.047

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.71

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101881 Job #: 7483  
Sample Name/Number: CHR-6S92W-1  
Company: S S Papadopoulos  
Date Sampled: 8/01/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 4073 CR 214  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.45			
Oxygen -----	1.83			
Nitrogen -----	91.01			
Carbon Dioxide -----	5.67	-21.47		
Methane -----	0.0393			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0  
Specific gravity, calculated: 1.007

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101882 Job #: 7483  
Sample Name/Number: GREEN-6S93W-10  
Company: S S Papadopoulos  
Date Sampled: 7/31/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 1009 CR 223  
Formation/Depth:  
Sampling Point:  
Date Received: 8/04/2006 Date Reported: 8/16/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0020			
Hydrogen -----	nd			
Argon -----	0.938			
Oxygen -----	0.554			
Nitrogen -----	96.27			
Carbon Dioxide -----	2.24	-21.38		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 0.984

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101884 Job #: 7485  
Sample Name/Number: TREV-5592W-32  
Company: S S Papadopoulos  
Date Sampled: 8/04/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.26			
Oxygen -----	8.13			
Nitrogen -----	83.48			
Carbon Dioxide -----	7.13	-20.80		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0  
Specific gravity, calculated: 1.023

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101885 Job #: 7485  
Sample Name/Number: COPE-6592W-2  
Company: S S Papadopoulos  
Date Sampled: 8/04/2005  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 925-CR-218  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.29			
Oxygen -----	24.03			
Nitrogen -----	68.27			
Carbon Dioxide -----	6.41	-20.72		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.041

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.75

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101886 Job #: 7485  
Sample Name/Number: ALLEN- 5S92W-30  
Company: S S Papadopoulos  
Date Sampled: 8/04/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.32			
Oxygen -----	6.30			
Nitrogen -----	72.84			
Carbon Dioxide -----	19.54	-22.53		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.089

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101887 Job #: 7485  
Sample Name/Number: ORTON-5S91W-31  
Company: S S Papadopoulos  
Date Sampled: 8/02/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 966 CR 228  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.42			
Oxygen -----	16.64			
Nitrogen -----	76.40			
Carbon Dioxide -----	5.54	-20.29		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.027

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101888 Job #: 7485  
Sample Name/Number: TALBOTT-6591W-4  
Company: S S Papadopoulos  
Date Sampled: 8/03/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 6851 CR 214  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.055			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.39			
Oxygen -----	17.10			
Nitrogen -----	76.15			
Carbon Dioxide -----	5.31	-20.48		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.026

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.72

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101889 Job #: 7485  
Sample Name/Number: ELDERKIN-5S91W-30  
Company: S S Papadopoulos  
Date Sampled: 8/02/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 1513 CR 250  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.072			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.33			
Oxygen -----	17.59			
Nitrogen -----	76.13			
Carbon Dioxide -----	4.88	-19.14		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.024

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.67

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101890 Job #: 7485  
Sample Name/Number: SCHOUTER-6S92W-5  
Company: S S Papadopoulos  
Date Sampled: 8/02/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 394 Fox Run  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.054			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.51			
Oxygen -----	17.23			
Nitrogen -----	74.27			
Carbon Dioxide -----	6.94	-20.65		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.036

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101891 Job #: 7485  
Sample Name/Number: CHENO-6S91W-5  
Company: S S Papadopoulos  
Date Sampled: 8/04/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: 6411 CR 214  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0021			
Hydrogen -----	nd			
Argon -----	1.16			
Oxygen -----	11.30			
Nitrogen -----	85.71			
Carbon Dioxide -----	1.83	-20.07		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 0.998

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 101892 Job #: 7485  
Sample Name/Number: MURPH-692W-6  
Company: S S Papadopoulos  
Date Sampled: 8/02/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location: ANTLERS RD  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.060			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.46			
Oxygen -----	13.51			
Nitrogen -----	73.32			
Carbon Dioxide -----	11.65	-21.67		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.056

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.71

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 101893 Job #: 7485  
Sample Name/Number: GREEN -9S93W-11  
Company: S S Papadopoulos  
Date Sampled: 8/02/2006  
Container: Round Plastic Bottle  
Field/Site Name: SSP-1049  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 8/07/2006 Date Reported: 8/22/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.39			
Oxygen -----	2.69			
Nitrogen -----	89.04			
Carbon Dioxide -----	6.88	-21.80		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.015

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.67

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102395 Job #: 7516  
Sample Name/Number: Armstrong-5S91W-30  
Company: S S Papadopoulos  
Date Sampled: 8/07/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 0413 Ingersoll Ln.  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.011			
Hydrogen Sulfide -----	nd			
Helium -----	0.0029			
Hydrogen -----	nd			
Argon -----	1.04			
Oxygen -----	8.94			
Nitrogen -----	89.32			
Carbon Dioxide -----	0.68	-18.84		
Methane -----	0.0049			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 0.988

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102396 Job #: 7516  
Sample Name/Number: Miller-5S92W-34  
Company: S S Papadopoulos  
Date Sampled: 8/07/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 520 CR 259  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.130			
Hydrogen -----	nd			
Argon -----	0.832			
Oxygen -----	2.37			
Nitrogen -----	95.37			
Carbon Dioxide -----	1.30	-20.95		
Methane -----	0.0022			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0  
Specific gravity, calculated: 0.980

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 102397 Job #: 7516  
Sample Name/Number: ZAR-6S92W-3  
Company: S S Papadopoulos  
Date Sampled: 8/09/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 0970 CR 231  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.48			
Oxygen -----	13.48			
Nitrogen -----	73.82			
Carbon Dioxide -----	11.22	-21.47		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.054

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.77

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102398 Job #: 7516  
Sample Name/Number: Bellio 2-5S91W-32  
Company: S S Papadopoulos  
Date Sampled: 8/09/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 2543 CR 214  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.028			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.35			
Oxygen -----	18.25			
Nitrogen -----	72.90			
Carbon Dioxide -----	7.47	-22.27		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.039

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102399 Job #: 7516  
Sample Name/Number: Oliver-5S92W-26  
Company: S S Papadopoulos  
Date Sampled: 8/08/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 435 Odin  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.45			
Oxygen -----	25.10			
Nitrogen -----	70.37			
Carbon Dioxide -----	3.08	-18.61		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.025

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.77

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102400 Job #: 7516  
Sample Name/Number: Layman-5592W-25  
Company: S S Papadopoulos  
Date Sampled: 8/09/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 403 CR 250  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.039			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.50			
Oxygen -----	3.50			
Nitrogen -----	83.17			
Carbon Dioxide -----	11.79	-21.16		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.043

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.76

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 102401 Job #: 7516  
Sample Name/Number: Whitt-6S91W-6  
Company: S S Papadopoulos  
Date Sampled: 8/08/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 4791 CR 214  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0288			
Hydrogen -----	nd			
Argon -----	1.29			
Oxygen -----	5.04			
Nitrogen -----	90.57			
Carbon Dioxide -----	3.07	-21.57		
Methane -----	0.0044			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 0.996

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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# ANALYSIS REPORT

Lab #: 102402 Job #: 7516  
Sample Name/Number: Hinkle-6S92W-4  
Company: S S Papadopoulos  
Date Sampled: 8/08/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co./COGCC  
Location: 573 CR 229  
Formation/Depth:  
Sampling Point:  
Date Received: 8/15/2006 Date Reported: 9/15/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.54			
Oxygen -----	17.12			
Nitrogen -----	72.74			
Carbon Dioxide -----	8.60	-20.97		
Methane -----	nd			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.045

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.77

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



# ANALYSIS REPORT

Lab #: 102484 Job #: 7527  
Sample Name/Number: Patrick  
Company: S S Papadopoulos  
Date Sampled: 8/15/2006  
Container: Round Plastic Bottle  
Field/Site Name: Garfield Co. WQ/Gas Sampling  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 8/18/2006 Date Reported: 8/30/2006

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.30			
Oxygen -----	10.07			
Nitrogen -----	82.00			
Carbon Dioxide -----	6.62	-16.63		
Methane -----	0.0092			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0

Specific gravity, calculated: 1.023

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.73

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%



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