

Attachment #1
PUBLIC WATER SUPPLY
FOLDER LEVEL

WS PWS #: 1820010

File Type: ANALYSIS CHEMICAL

Volume: 001

Inclusive Dates: 1/1/2005 - 12/31/2006

Media Code/ Form

- ☐ Microfiche
☒ Roll Microfilm
☒ Electronic Image

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HAA5
(4THQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0629121**



BILL TO:

REPORT TO:

SANTO WSC

Name
RONALD EDWARDS PRESIDENT
Address 1
PO BOX 248
Address 2
SANTO, TX 76472
City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
Address 1
PO BOX 248
Address 2
SANTO, TX 76472
City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **12/06/06 10:45**
Month Day Year Military Time

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground ☒ Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

☒ DISTRIBUTION: Location: **1007 W PALO PINTO ST**

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

Use for locational composites only

EP _____	EP _____	EP _____	EP _____	EP _____
TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick N. Hardin
Signature (Water System Representative)

RICK N. HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4681 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.65** [] Free ☒ Total

TAP FLUSHING: **10:40** START **10:45** END **17%** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen B. Blythe
Signature (Sampling Technician)
Allen Blythe
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS	1 QT PLASTIC	150.1, 300.0
Cl, F, NO ₃ , SO ₄ , pH, Cond, T-P Alk, HCO ₃ , CO ₃ , TDS		SM 2501B, SM 2520B
Iced, 7 Day Hold Time		
1A [] NITRATE / NITRITE	100 mL PLASTIC	353.2, 300.0
Iced, 48 Hour Hold Time, <0.2 mg/L chlorine		
1C [] NITRATE	100 mL PLASTIC	300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine		

2 [] ALL METALS	1 QT PLASTIC	200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time		
2A [] METALS 14 GROUP (ICP)	1 QT PLASTIC	200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg		
No Field Preservation, 14 Day Hold Time		
[] SINGLE METAL	1 QT PLASTIC	200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn		
Se, Na, (Hardness Ca, Mg)		
_____ ONLY		
No Field Preservation, 14 Day Hold Time		

8 [] SEMIVOLATILES (SOC5)	1 QT GLASS	525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time		

13 [] VOC	2-40 mL GLASS & Field Blank	524.2
Ascorbic Acid, HCl, Iced, 14 Day Hold Time		

14 [] TRIHALOMETHANES	2-40 mL GLASS	502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time		

18 ☒ HALOACETIC ACIDS (HAA)	2-60 mL GLASS	552.2
Ammonium Chloride, Iced, 14 Day Hold Time		

16 [] RADIOCHEMICAL GRAB	1 GAL PLASTIC	900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time		

16 [] RADIOCHEMICAL COMPOSITE	900.0, 904.0 903.1	
SM 7500-UC		
No Field Preservation, 5 Day Hold Time		
[] 1 OF 4	[] 2 OF 4	[] 3 OF 4
1 GAL PLASTIC	1 QT PLASTIC	1 QT PLASTIC
		1 QT PLASTIC

[] OTHER _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY **51285** LAB NAME: **LORA**
LAB ID #: **062219-002** DATE RECEIVED: **12/7/06** DATE REPORTED: **1530**

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

Log In Review
Date: **12/15/06**
By: *[Signature]*

RECEIVE
FEB 22 2007
TCEQ
CENTRAL FILE ROOM

LCRA Environmental Laboratory Services

Date: 25-Jan-07

CLIENT: SANTO WSC

Client Sample ID: NA

Lab ID: 0612219-002

1007 W PALO PINTO ST

Project: WS 1820010

Collection Date: 12/6/2006 10:45:00 AM

Matrix: DRINKING WATER

TCEQ Sample ID: 0629121

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
METHYL DERIVATIVES-HALOACETIC ACIDS			E552.2		E552.2		Analyst: BR	
Chloroacetic acid	ND			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Dichloroacetic acid	11.1			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Trichloroacetic acid	ND			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Bromoacetic acid	ND			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Dibromoacetic acid	5.1			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Total Regulated Haloacetic Acids	16.2		60	5.0	µg/L	1	45194	12/12/2006 3:40:23 AM
Bromochloroacetic acid	9.4			5.0	µg/L	1	45194	12/12/2006 3:40:23 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike Recovery outside accepted recovery limits



TTHM
(4THQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0622083**



SANTO WSC

Name
RONALD EDWARDS PRESIDENT
Address 1
PO BOX 248
Address 2
SANTO, TX 78472
City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
Address 1
PO BOX 248
Address 2
SANTO, TX 78472
City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **12** **06** **06** **10:45**
Month Day Year Military Time

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground ☒ Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

☒ DISTRIBUTION: Location: **1007 W PALO PINTO ST**

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

EP _____	EP _____	EP _____	EP _____	EP _____
TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Ricky Hardin
Signature (Water System Representative)

Ricky HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4891 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.65** [] Free ☒ Total

TAP FLUSHING: **10:40** START **10:45** END **17%**

FILTRATES: _____ START _____ END _____ AIR TEMP. **70** °F **TEMP**

pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen Billington
Signature (Sampling Technician)
Allen Billington
Print Name

FEB 22 2007

TCEQ
CENTRAL FILE ROOM

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0 Cl, F, NO ₃ , SO ₄ , pH, Cond, T-P Alk, HCO ₃ , CO ₃ , TDS SM 2501B, SM 2520B Iced, 7 Day Hold Time	13 [] VOC 2-40 mL GLASS 524.2 & Field Blank Ascorbic Acid, HCl, Iced, 14 Day Hold Time
1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0 Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine	14 ☒ TRIHALOMETHANES 2-40 mL GLASS 502.2 Sodium Thiosulfate, Iced, 14 Day Hold Time
1C [] NITRATE 100 mL PLASTIC 300.0 Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine	18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2 Ammonium Chloride, Iced, 14 Day Hold Time
2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1 No Field Preservation, 14 Day Hold Time	16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time
2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7 Al, Ba, Be, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Cd, Mg No Field Preservation, 14 Day Hold Time	16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time [] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4 1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC
[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1 Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg) ONLY No Field Preservation, 14 Day Hold Time	[] OTHER _____ [] None [] Sodium Sulfite [] Iced [] Other: _____
8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2 Sodium Sulfite, HCl, Iced, 14 day Hold Time	

COMMENTS:

LABORATORY USE ONLY **51265** LAB NAME: **LORA**
LAB ID #: **0612219-001** DATE RECEIVED: **12/7/06** DATE REPORTED: **1/3/07**

Logn Review
Date: **12/8/06**
By: *MA*

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System



Final Analysis Report



LCRA Environmental Laboratory Services

Date: 25-Jan-07

CLIENT:	SANTO WSC	Client Sample ID:	NA
Lab ID:	0612219-001		1007 W PALO PINTO ST
Project:	WS 1820010	Collection Date:	12/6/2006 10:45:00 AM
Matrix:	DRINKING WATER	TCEQ Sample ID:	0622083

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS			E524.2			Analyst: BR		
Chloroform	9.3			1.0	µg/L	1	45151	12/8/2006 8:01:00 PM
Bromodichloromethane	13.8			1.0	µg/L	1	45151	12/8/2006 8:01:00 PM
Dibromochloromethane	11.6			1.0	µg/L	1	45151	12/8/2006 8:01:00 PM
Bromoform	2.9			1.0	µg/L	1	45151	12/8/2006 8:01:00 PM
Total Trihalomethanes	37.6		80	1.0	µg/L	1	45151	12/8/2006 8:01:00 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	S Spike Recovery outside accepted recovery limits



TTHM
(3RDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0622082**

SANTO WSC

WATER SYSTEM ID #: **1820010**

Name: **RONALD EDWARDS PRESIDENT**

DATE/TIME COLLECTED: **09/20/08 11:10**
Month Day Year Military Time

Address 1: **PO BOX 248**

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

Address 2: **SANTO, TX 78472**

WATER SOURCE: [] Ground ☒ Surface [] GUL [] Blended [] New Source

City, State, Zip

SAMPLING LOCATION:

SANTO WSC

(Use Field Report for address changes)

Name

[] SOURCE (WELL): Source Code

Address 1: **PO BOX 248**

Source Location:

Address 2: **SANTO, TX 78472**

☒ DISTRIBUTION: Location: **1007 W PALO PINTO ST**

City, State, Zip

[] ENTRY POINT(S): Plant

Tap Location

(If for each F.P. & corresponding TCEQ ID # in this sample in the box below)

EP	EP	EP	EP	EP
TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #

Water analyses are required by law (80 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Signature (Water System Representative)

Print Name: **RICKS N. HARDIN**

REGION #: **4** CHLORINE RESIDUAL: **2.3** **RECEIVE**
Free Total

TAP FLUSHING: **11:05** START **11:10** END **2:27** **FEB 22 2007**

FILTRATES: START END AIR TEMP H₂O TEMP

pH TURBIDITY LAST RAINFALL TCEQ CENTRAL FILE ROOM

Signature (Sampling Technician)

Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-1891. (http://www.tceq.state.tx.us)

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 200.0, 250.8, 200.7, 245.1 G, P, AD, SD, H, Conc. 7 P, AD, SD, H, Conc. 125 100.7 Day Hold Time 1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0 100.7 Day Hold Time 1C [] NITRATE 100 mL PLASTIC 300.0 100.7 Day Hold Time	13 [] VOC 2-40 mL GLASS 524.2 Acetic Acid, HCl, Lead, 14 Day Hold Time 14 ☒ TRIHALOMETHANES 2-40 mL GLASS 502.2 Sodium Thiosulfate, Lead, 14 Day Hold Time 18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2 Ammonium Chloride, Lead, 14 Day Hold Time 16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0, 903.1 No Field Preservation, 5 Day Hold Time 16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0, 903.1 No Field Preservation, 5 Day Hold Time [] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4 1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC
2 [] ALL METALS 1 QT PLASTIC 200.0, 200.7, 245.1 No Field Preservation, 14 Day Hold Time 2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.0, 200.7 Al, Ba, Ca, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Cd, Mg No Field Preservation, 14 Day Hold Time [] SINGLE METAL 1 QT PLASTIC 200.0, 200.7, 245.1 Al, Ba, Ca, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Cd, Mg No Field Preservation, 14 Day Hold Time	19 [] SEMIVOLATILES (SOCS) 1 QT GLASS 525.2 Sodium Sulfate, HCl, Lead, 14 Day Hold Time [] OTHER [] None [] Sodium Sulfate [] Lead [] Other

COMMENTS:

LABORATORY: **48880 48898**

LAB NAME:

LAB ID:

0609555-002

DATE RECEIVED:

9/22/06

DATE REPORTED:

0609627-001

WHITE Tap

YF110W Sampler

PINK - Contractor

GOLDENHOU Water System

Login Review
Date: **9/22/06**
By: **[Signature]**

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 25-Jan-07

CLIENT: SANTO WSC

Client Sample ID: NA

Lab ID: 0609627-001

1007 W PALO PINTO ST

Project: WS 1820010

Collection Date: 9/20/2006 11:10:00 AM

Matrix: DRINKING WATER

TCEQ Sample ID: 0622082

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS			E524.2			Analyst: BR		
Chloroform	12.7			1.0	µg/L	1	43692	9/23/2006 10:35:00 AM
Bromodichloromethane	22.2			1.0	µg/L	1	43692	9/23/2006 10:35:00 AM
Dibromochloromethane	32.5			1.0	µg/L	1	43692	9/23/2006 10:35:00 AM
Bromoform	12.9			1.0	µg/L	1	43692	9/23/2006 10:35:00 AM
Total Trihalomethanes	80.3	x	80	1.0	µg/L	1	43692	9/23/2006 10:35:00 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Value above quantitation range
ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits



HAA5
(3RDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0629122**



SANTO WSC

WATER SYSTEM ID #: **1820010**

Name
RONALD EDWARDS PRESIDENT

DATE/TIME COLLECTED: **09 20 06 11:10**
Month Day Year Military Time

Address 1
PO BOX 248

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) Emergency 24 hr : 48 hr

Address 2
SANTO, TX 76472

WATER SOURCE: [] Ground ☒ Surface [] GUL [] Blended [] New Source

City, State, Zip

SAMPLING LOCATION:

SANTO WSC

(Use Field Report for address changes)

Name

[] SOURCE (WELL): Source Code: _____

Address 1
PO BOX 248

Source Location: _____

Address 2
SANTO, TX 76472

☒ DISTRIBUTION: Location **1007 W PALO PINTO ST**

City, State, Zip

[] ENTRY POINT(S): Plant _____

Tap Location: _____

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

EP	EP	EP	EP	EP
TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

REGION #: **4** CHLORINE RESIDUAL: **2.3** | Free Chlorine
TAP FLUSHING: **11:05** START **11:10** END **27%** TEMP. **FEB 22 2007**

FILTRATES: _____ START _____ END _____ AIR TEMP _____

pH _____ TURBIDITY _____ LAST RAINFALL _____

Signature (Water System Representative)

Ricky N. HARRIN
Print Name

Allen B. Billing
Signature (Sampling Technician)
Allen B. Billing
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4591 • (<http://www.tceq.state.tx.us>)

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 ALL MINERALS 1 QT PLASTIC 150.1, 300.0 SM 2520B Cl, F, NO ₃ , SO ₄ , 2H ₂ CO ₃ , 1-P AP, H ₂ CO ₃ , CH ₃ , H ₂ PO ₄ Load, 7 Day Hold Time	13 VOC 2-40 mL GLASS & Field Blank 521.2 Acetone Acid, HC, Load, 14 Day Hold Time
1A NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0 one 4h Hour Hold Time, < 0.2 mg/L chlorine	14 TRIHALOMETHANES 2-40 mL GLASS 502.2 Sodium Thiosulfate Load, 14 Day Hold Time
1C NITRATE 100 mL PLASTIC 500.0 Load, 14 Day Hold Time, < 0.2 mg/L chlorine	15 HALOACETIC ACIDS (HAA) 2-60 mL GLASS 502.2 Ammonium Chloride Load, 14 Day Hold Time
2 ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1 No Field Preservation, 14 Day Hold Time	16 RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0, 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time
2A METALS 1 st GROUP (ICP) 1 QT PLASTIC 200.8, 200.7 Al, Ba, Bi, Br, Cd, Cr, Fe, Pb, Pt, Mn, Ni, Na, Ag, Zn, Cu, Mo No Field Preservation, 14 Day Hold Time	16 RADIOCHEMICAL COMPOSITE 900.0, 904.0, 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time [] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4 1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC
3 SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1 Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Pt, Mn, Ni, Na, Ag, Zn, Cu, Mo No Field Preservation, 14 Day Hold Time	17 OTHER _____ [] None [] Sodium Sulfate [] Lead [] Copper
8 SEMIVOLATILES (SOCs) 1 QT GLASS 525.2 Sodium Sulfate HCl, Load, 14 day Hold Time	

COMMENTS:

48880

LABORATORY USE ONLY

LAB NAME:

DATE RECEIVED

DATE REPORTED:

Login Review

Date:

By:

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

LCRA Environmental Laboratory Services

Date: 25-Jan-07

CLIENT: SANTO WSC

Client Sample ID: NA

Lab ID: 0609627-002

1007 W PALO PINTO ST

Project: WS 1820010

Collection Date: 9/20/2006 11:10:00 AM

Matrix: DRINKING WATER

TCEQ Sample ID: 0629122

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
METHYL DERIVATIVES-HALOACETIC ACIDS			E552.2		E552.2			Analyst: SM
Chloroacetic acid	ND			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Dichloroacetic acid	9.8			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Trichloroacetic acid	ND			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Bromoacetic acid	ND			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Dibromoacetic acid	8.9			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Total Regulated Haloacetic Acids	18.7		60	5.0	µg/L	1	43941	10/3/2006 9:32:53 PM
Bromochloroacetic acid	10.5			5.0	µg/L	1	43941	10/3/2006 9:32:53 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level

E Value above quantitation range

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike Recovery outside accepted recovery limits

TTHM
(2NDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0622085**

SANTO WSC

WATER SYSTEM ID #: **1820010**Name
RONALD EDWARDS PRESIDENTDATE/TIME COLLECTED: **05** **31** **06** **10:15**
Month Day Year Military TimeAddress 1
PO BOX 248SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hrAddress 2
SANTO, TX 764720000WATER SOURCE: [] Ground ☒ Surface [] GUI [] Blended [] New Source

City, State, Zip

SAMPLING LOCATION:

SANTO WSC

(Use Field Report for address changes)

Name

[] SOURCE (WELL): Source Code: _____

Address 1
PO BOX 248

Source Location: _____

Address 2
SANTO, TX 764720000☒ DISTRIBUTION: Location: **1007 W PALO PINTO ST**

City, State, Zip

[] ENTRY POINT(S): Plant: _____

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

Tap Location: _____

EP _____

EP _____

EP _____

EP _____

EP _____

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

REGION #: **4** CHLORINE RESIDUAL: **1.55** [] Free ☒ TotalTAP FLUSHING: **10:05** START **10:15** END **26%** TEMP.FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY _____ LAST RAINFALL _____

Signature (Water System Representative)

Signature (Sampling Technician)

Ricks N. Hardin
Print Name

Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

RECEIVED
AUG 09 2006

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

TCEQ
CENTRAL FILE ROOM1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B

Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0

Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0

Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1

No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg

No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2

Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS & Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time14 ☒ TRIHALOMETHANES 2-40 mL GLASS 502.2

Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2

Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
SM 7500-UC

No Field Preservation, 5 Day Hold Time

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
SM 7500-UC

No Field Preservation, 5 Day Hold Time

[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____

[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY **45993**LAB NAME: **LCRA Thomas Haley**LAB ID #: **0606052-001**DATE RECEIVED: **6/2/06 @ 0700**

DATE REPORTED: _____

Login Review
Date: **6/5/06**
By: **6**

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 24-Jul-06

CLIENT: SANTO WSC
Lab ID: 0606052-001
Project: WS 1820010
Matrix: DRINKING WATER

Client Sample ID: NA
1007 W PALO PINTO ST
Collection Date: 5/31/2006 10:15:00 AM
TCEQ Sample ID: 0622085

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS				E524.2				Analyst: BR
Chloroform	33.4			1.0	µg/L	1	41454	6/2/2006 7:54:00 PM
Bromodichloromethane	40.0			1.0	µg/L	1	41454	6/2/2006 7:54:00 PM
Dibromochloromethane	31.9			1.0	µg/L	1	41454	6/2/2006 7:54:00 PM
Bromoform	6.0			1.0	µg/L	1	41454	6/2/2006 7:54:00 PM
Total Trihalomethanes	111.3	x	80	1.0	µg/L	1	41454	6/2/2006 7:54:00 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Value above quantitation range
ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits



HAA5
(2NDQ)

Public Water System Water Analysis

PWS / 1820010 / CA



TCEQ SAMPLE ID #: **0629123**

SANTO WSC

WATER SYSTEM ID #: **1820010**

Name
RONALD EDWARDS PRESIDENT

DATE/TIME COLLECTED: **05/31/06 10:15**
Month Day Year Military Time

Address 1
PO BOX 248

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

Address 2
SANTO, TX 764720000

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

City, State, Zip

SAMPLING LOCATION:

SANTO WSC

(Use Field Report for address changes)

Name

[] SOURCE (WELL): Source Code: _____

Address 1
PO BOX 248

Source Location: _____

Address 2
SANTO, TX 764720000

[X] DISTRIBUTION: Location: **1007 W PALO PINTO ST**

City, State, Zip

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

Use for locational composites only				
EP _____	EP _____	EP _____	EP _____	EP _____
TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

REGION #: **4** CHLORINE RESIDUAL: **1.55** [] Free [X] Total

TAP FLUSHING: **10:05** START **10:15** END **2:00** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY _____ LAST RAINFALL _____

Ricky N. Hardin

Signature (Water System Representative)

Ricky N. Hardin

Print Name

Allen Billington

Signature (Sampling Technician)

Allen Billington

Print Name

RECEIVED

AUG 09 2006

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS	1 QT PLASTIC	150.1, 300.0
Cl, F, NO ₃ , SO ₄ , pH, Cond, T-P Alk, HCO ₃ , CO ₃ , TDS		SM 2501B, SM 2520B
Iced, 7 Day Hold Time		
1A [] NITRATE / NITRITE	100 mL PLASTIC	353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine		
1C [] NITRATE	100 mL PLASTIC	300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine		

2 [] ALL METALS	1 QT PLASTIC	200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time		
2A [] METALS 14 GROUP (ICP)	1 QT PLASTIC	200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg		
No Field Preservation, 14 Day Hold Time		
[] SINGLE METAL	1 QT PLASTIC	200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg)		
_____ ONLY		
No Field Preservation, 14 Day Hold Time		

8 [] SEMIVOLATILES (SOC5)	1 QT GLASS	525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time		

13 [] VOC	2-40 mL GLASS & Field Blank	524.2
Ascorbic Acid, HCl, Iced, 14 Day Hold Time		

14 [] TRIHALOMETHANES	2-40 mL GLASS	502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time		

18 [X] HALOACETIC ACIDS (HAA)	2-60 mL GLASS	552.2
Ammonium Chloride, Iced, 14 Day Hold Time		

16 [] RADIOCHEMICAL GRAB	1 GAL PLASTIC	900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time		

16 [] RADIOCHEMICAL COMPOSITE		900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time		
[] 1 OF 4	[] 2 OF 4	[] 3 OF 4
1 GAL PLASTIC	1 QT PLASTIC	1 QT PLASTIC

[] OTHER _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY **45993**

LAB NAME: **LCRA Thomas Haly 02**

LAB ID #: **0606052-002**

DATE RECEIVED: **6/2/06 @ 0700**

DATE REPORTED: _____

Login Review
Date: **6/15/06**
By: **S**

LCRA Environmental Laboratory Services

Date: 24-Jul-06

CLIENT: SANTO WSC

Client Sample ID: NA

Lab ID: 0606052-002

1007 W PALO PINTO ST

Project: WS 1820010

Collection Date: 5/31/2006 10:15:00 AM

Matrix: DRINKING WATER

TCEQ Sample ID: 0629123

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
METHYL DERIVATIVES-HALOACETIC ACIDS				E552.2	E552.2			Analyst: WM
Chloroacetic acid	ND			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Dichloroacetic acid	14.4			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Trichloroacetic acid	10.6			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Bromoacetic acid	ND			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Dibromoacetic acid	9.2			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Total Regulated Haloacetic Acids	34.2		60	5.0	µg/L	1	41538	6/7/2006 10:55:00 AM
Bromochloroacetic acid	13.3			5.0	µg/L	1	41538	6/7/2006 10:55:00 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Value above quantitation range
ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits



TTHM
(1STQ)

Public Water System Water Analysis

PWS / 1820010 / CA



TCEQ SAMPLE ID #: **0622084**

SANTO WSC

Name

RONALD EDWARDS PRESIDENT

Address 1

PO BOX 248

Address 2

SANTO, TX 764720000

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name

Address 1

PO BOX 248

Address 2

SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **02** **23** **06** **11:00**
Month Day Year Military Time

SAMPLE: [] Routine [☒] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [☒] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[☒] DISTRIBUTION: Location: **1007 W PALO PINTO ST**

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

BILL TO:

REPORT TO:

Use for locational composites only

EP _____

EP _____

EP _____

EP _____

EP _____

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rich M. Hardin
Signature (Water System Representative)

Rich M. Hardin
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.7** [] Free ☒ Total

TAP FLUSHING: **10:50** START **11:00** END **13%** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY _____ LAST RAINFALL _____

Signature (Sampling Technician)

Print Name

RECEIVED

AUG 09 2006

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B

Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0

Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0

Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1

No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg

No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2

Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [☒] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____

[] None [] Sodium Sulfite [] Iced [] Other: _____

TCEQ
CENTRAL FILE ROOM

COMMENTS:

LABORATORY USE ONLY **44017**

LAB NAME: **L C R A**

LAB ID #: **0602559-001**

DATE RECEIVED: **7/24/06 0830**

DATE REPORTED: **8/1/06**

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

3/11/06
Ph

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 24-Jul-06

CLIENT:	SANTO WSC	Client Sample ID:	NA
Lab ID:	0602559-001		1007 W PALO PINTO ST
Project:	WS 1820010	Collection Date:	2/23/2006 11:00:00 AM
Matrix:	DRINKING WATER	TCEQ Sample ID:	0622084

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS			E524.2			Analyst: BR		
Chloroform	4.0			1.0	µg/L	1	39636	2/28/2006 11:32:00 AM
Bromodichloromethane	12.4			1.0	µg/L	1	39636	2/28/2006 11:32:00 AM
Dibromochloromethane	21.7			1.0	µg/L	1	39636	2/28/2006 11:32:00 AM
Bromoform	13.8			1.0	µg/L	1	39636	2/28/2006 11:32:00 AM
Total Trihalomethanes	51.9		80	1.0	µg/L	1	39636	2/28/2006 11:32:00 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	S Spike Recovery outside accepted recovery limits



HAA5
(1STQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0629120**



SANTO WSC

Name

RONALD EDWARDS PRESIDENT

Address 1

PO BOX 248

Address 2

SANTO, TX 764720000

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name

Address 1

PO BOX 248

Address 2

SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **02** **23** **06** **11:00**
Month Day Year Military Time

SAMPLE: [] Routine [☒] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [☒] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[☒] DISTRIBUTION: Location: **1007 W PALO PINTO ST**

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

Use for locational composites only

EP _____

EP _____

EP _____

EP _____

EP _____

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Ricky N. Hardin

Signature (Water System Representative)

Ricky N. Hardin

Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.7** [] Free [☒] Total

TAP FLUSHING: **10:50** START **11:00** END **13%** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen Billington

Signature (Sampling Technician)

Allen Billington

Print Name

RECEIVED

AUG 09 2006

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

TCEQ

CENTRAL FILE ROOM

1 [] **ALL MINERALS** 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS
SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [] **NITRATE / NITRITE** 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, <0.2 mg/L chlorine

1C [] **NITRATE** 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] **ALL METALS** 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] **METALS 14 GROUP (ICP)** 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] **SINGLE METAL** 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

_____ ONLY

No Field Preservation, 14 Day Hold Time

8 [] **SEMIVOLATILES (SOC5)** 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] **VOC** 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] **TRIHALOMETHANES** 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [☒] **HALOACETIC ACIDS (HAA)** 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] **RADIOCHEMICAL GRAB** 1 GAL PLASTIC 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time

16 [] **RADIOCHEMICAL COMPOSITE** 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] **OTHER** _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY

LAB NAME: **LCRA**

LAB ID #: **0602559-002**

DATE RECEIVED: **8/24/06**

DATE REPORTED: **0830**

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

3/1/06

LCRA Environmental Laboratory Services

Date: 24-Jul-06

CLIENT: SANTO WSC
Lab ID: 0602559-002
Project: WS 1820010
Matrix: DRINKING WATER

Client Sample ID: NA
1007 W PALO PINTO ST
Collection Date: 2/23/2006 11:00:00 AM
TCEQ Sample ID: 0629120

Analyses	Result	Qual	MCL	PQL	Units	DF	BatchID	Date Analyzed
METHYL DERIVATIVES-HALOACETIC ACIDS				E552.2	E552.2			Analyst: WM
Chloroacetic acid	9.0			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Dichloroacetic acid	7.1			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Trichloroacetic acid	ND			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Bromoacetic acid	ND			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Dibromoacetic acid	12.7			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Total Regulated Haloacetic Acids	28.8		60	5.0	µg/L	1	39655	2/28/2006 10:04:00 PM
Bromochloroacetic acid	12.6			5.0	µg/L	1	39655	2/28/2006 10:04:00 PM

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | S Spike Recovery outside accepted recovery limits |



HAA5
(4THQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: 0531614



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 76472

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
PO BOX 248

Address 1
SANTO, TX 76472

Address 2

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1820010

DATE/TIME COLLECTED: 11/30/05 10:30
Month Day Year Military Time

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[X] DISTRIBUTION: Location: 1007 W PALO ALTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

RECEIVED

FEB 14 2006

TCEQ
CENTRAL FILE ROOM

EP

EP

EP

EP

EP

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick N. Hardin
Signature (Water System Representative)

Rick N. Hardin
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.8 [] Free [X] Total

TAP FLUSHING: 10:20 START 10:30 END 18% TEMP.

FILTRATES: START END AIR TEMP H₂O TEMP

pH TURBIDITY LAST RAINFALL

Allen Billington
Signature (Sampling Technician)

Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₂, TDS
SM 2501B, SM 2520B

Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0

Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0

Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1

No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7

Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg

No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1

Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Tl, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2

Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] TRIHALOMETHANES 2-40 mL GLASS 502.2

Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [X] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2

Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1

No Field Preservation, 5 Day Hold Time

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1

No Field Preservation, 5 Day Hold Time

[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER

[] None [] Sodium Sulfite [] Iced [] Other:

COMMENTS:

LABORATORY USE ONLY

LAB NAME: DEC 16 2005

LAB ID #: EP5 31414 DATE RECEIVED: DEC 2 2005 DATE REPORTED:

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

4500

1100 W 49th Street
Austin TX 78756

**Texas Department of State Health Services
Haloacetic Acids GC Results**

Contact: Carl Hogberg
(512) 458-7318

Water System ID # 1820010
DSHS Lab ID # EP5-31414
Method 552.2
Data File Name 12120019.D
QC File C:\MSDCHEM\1\DATA\O16P1212\
Sample Type Water
TCEQ Sample ID # 0531614

Date Collected 11/30/2005
Date Extracted 12/7/2005
Date Analyzed 12/13/2005 3:42
Analyst jdefibaugh
Dilution Factor 1
Concentration Units µg/L

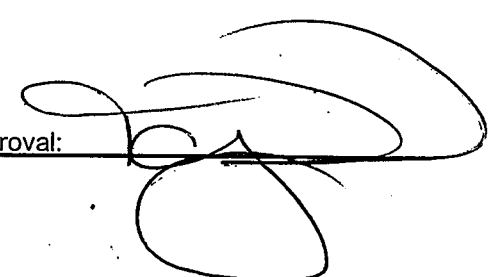
Regulated Compounds:	Result:
Monochloroacetic acid	<2.0
Dichloroacetic acid	6.0
Trichloroacetic acid	1.4
Monobromoacetic acid	<1.0
<u>Dibromoacetic acid</u>	<u>8.6</u>
Total:	16.0

Monitor Compounds:

Bromochloroacetic acid	8.7
Dalapon	<1.0

Comments:

Rev #7 10/05

Approval: 

DEC 14 2005



TTHM
(4THQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: 0531611



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 76472

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
PO BOX 248

Address 1
SANTO, TX 76472

Address 2

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1820010

DATE/TIME COLLECTED: 11/30/05 10:30
Month Day Year Military Time

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[X] DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

TCEQ
CENTRAL FILE ROOM

Use for locational composites only

EP _____

EP _____

EP _____

EP _____

EP _____

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick N. Hardin
Signature (Water System Representative)

Rick N. Hardin
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.8 [] Free [X] Total

TAP FLUSHING: 10:20 START 10:30 END 10:30 TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen Billington
Signature (Sampling Technician)
Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Ba, Be, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [X] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____

[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY

LAB NAME: _____

LAB ID #: EP5 31439

DATE RECEIVED: DEC 2 2005

DATE REPORTED: DEC 12 2005

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

1100 W. 49th Street
Austin, TX 78756

Department of State Health Services
Trihalomethanes by GC-ELCD

Contact: Carl Hogberg
(512)458-7318

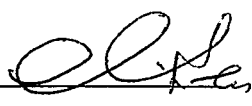
Water System ID: 1820010
DSHS Lab ID: EP05-31439
Method: EPA 502.2 Rev. 2.1 (THM)
Data File: 12050008.D
QC File: C:\MSDCHEM\1\DATA\O03G1205
Sample Type: Water
TCEQ ID: 0531611

Date Collected: 11/30/2005
Date Prepared: 12/5/2005
Date Analyzed: 12/5/2005 12:39
Analyst: LZhong
Dilution Factor: 1
Concentration Units: µg/L

Compound:	Result:
Chloroform	5.5
Bromodichloromethane	15.6
Dibromochloromethane	25.4
Bromoform	13.5
Total THM's	60.0

COMMENTS:

Rev. 5 (9/04) Agilent 6890N US10342117

Approval: 

DEC 06 2005



HAA5
(3RDQ)

TCF Sample ID# 0594209

Public Water System Water Analysis

PWS / 1820010 / CA

old#

TCEQ SAMPLE ID #: 0531615



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 76472

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
PO BOX 248

Address 1
SANTO, TX 76472

Address 2

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1820010

DATE/TIME COLLECTED: 09/29/05 12:30
Month Day Year Military Time

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[X] DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

Use for locational composites only

EP	EP	EP	EP	EP
TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Ricky M. Hardin

Signature (Water System Representative)

Ricky N. HARDIN

Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.5 [] Free [X] Total

TAP FLUSHING: 12:20 START 12:30 END 28% TEMP.

FILTRATES: START END AIR TEMP H₂O TEMP

pH TURBIDITY LAST RAINFALL

Allen B. Billington

Signature (Sampling Technician)

Allen B. Billington

Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS
Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg)
ONLY
No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [X] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2 TCEQ
Ammonium Chloride, Iced, 14 Day Hold Time CENTRAL FILE ROOM

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

Redo

LABORATORY USE ONLY

LAB ID #

EP5 26788

LAB NAME:

DATE RECEIVED:

SEP 30 2005

DATE REPORTED:

OCT 12 2005

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

4994

1100 W 49th Street
Austin TX 78758

**Texas Department of State Health Services
Haloacetic Acids GC Results**

Contact: Carl Hogberg
(512) 458-7318

Submitter Sample Number 1820010
TDH Sample Name EP5-26788
Method 552.2
Data File Name 10070020.D
QC File C:\MSDCHEM\1\DATA\O16P1007\
Sample Type Water

Date Collected 9/29/2005
Date Extracted 10/4/2005
Date Analyzed 10/8/2005 2:47
Analyst jdefibaugh
Dilution Factor 1
Concentration Units µg/L

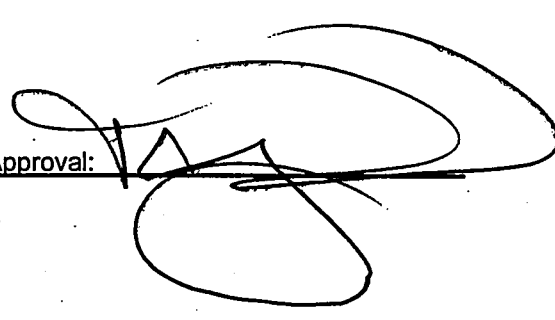
Regulated Compounds:	Result:
Monochloroacetic acid	<2.0
Dichloroacetic acid	5.9
Trichloroacetic acid	2.4
Monobromoacetic acid	<1.0
<u>Dibromoacetic acid</u>	<u>5.3</u>
Total:	13.6

Monitor Compounds:

Bromochloroacetic acid	7.0
Dalapon	<1.0

Comments:

Rev #5 9/04

Approval: 

OCT 11 2005



TTHM
(3RDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: 0 5 3 1 6 1 2



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 76472

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name
PO BOX 248

Address 1
SANTO, TX 76472

Address 2

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1 8 2 0 0 1 0

DATE/TIME COLLECTED: 08 / 16 / 05 13:10
Month Day Year Military Time

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground ☒ Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

☒ DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

EP _____

EP _____

EP _____

EP _____

EP _____

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Use for locational composites only

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick M. Hardin
Signature (Water System Representative)

RICK M. HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.5 [] Free ☒ Total

TAP FLUSHING: 13:00 START 13:10 END 28% TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY* _____ LAST RAINFALL _____

Allen Billington
Signature (Sampling Technician)

Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₂, TDS SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2

Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 ☒ TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____

[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY

LAB NAME:

LAB ID #: EP5 23167

DATE RECEIVED:

AUG 18 2005

DATE REPORTED:

AUG 31 2005

255

1100 W. 49th Street
Austin, TX 78756

Department of State Health Services Trihalomethanes by GC-ELCD

Contact: Carl Hogberg
(512)458-7318

Submitter ID: 1820010
DSHS Lab ID: EP05-23167
Method: EPA 502.2 Rev. 2.1 (THM)
Data File: 08220007.D
QC File: C:\MSDCHEM\1\DATA\O03G0822
Sample Type: Water

Date Collected: 8/16/2005
Date Prepared: 8/22/2005
Date Analyzed: 8/22/2005 12:52
Analyst: LZhong
Dilution Factor: 1
Concentration Units: µg/l

Compound:	Result:
Chloroform	8.7
Bromodichloromethane	16.1
Dibromochloromethane	23.9
Bromoform	10.0
Total THM's	58.7

COMMENTS:

Approval: 

AUG 23 2005



HAA5
(2NDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: 0531616



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 764720000

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name

Address 1
PO BOX 248

Address 2
SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1820010

DATE/TIME COLLECTED: 05/25/05 10:30
Month Day Year Military Time

SAMPLE: [] Routine ☒ Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground ☒ Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

☒ DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

BILL TO:

REPORT TO:

EP D

0531616

TCEQ SAMPLE ID #

EP

EP

EP

EP

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

TCEQ SAMPLE ID #

Use for locational composites only

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick N. Hardin
Signature (Water System Representative)

Rick N. Hardin
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.55 [] Free ☒ Total

TAP FLUSHING: 10:20 START 10:30 END 24% TEMP.

FILTRATES: START END AIR TEMP H₂O TEMP

pH TURBIDITY LAST RAINFALL

Allen Billington
Signature (Sampling Technician)

Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg)
ONLY
No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 Day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
☒ Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY

LAB I EP5 12107

LAB NAME: MAY 26 2005

DATE RECEIVED: DATE REPORTED: JUN 7 2005

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

RECEIVED
JUL 01 2005
CENTRAL TCEQ ROOM

ic

5093

1100 W 49th Street
Austin TX 78756

Texas Department of State Health Services
Haloacetic Acids GC Results

Contact: Carl Hogberg
(512) 458-7552

Submitter Sample Number 1820010
TDH Sample Name EP5-12107
Method 552.2
Data File Name 05310010.D
QC File E:\DATA\O04P0531\
Sample Type Water

Date Collected 5/25/05
Date Extracted 5/27/05
Date Analyzed 5/31/2005 4:59
Analyst dhardin
Dilution Factor 1
Concentration Units µg/L

Regulated Compounds:	Result:
Monochloroacetic acid	<2.0
Dichloroacetic acid	8.4
Trichloroacetic acid	2.9
Monobromoacetic acid	<1.0
<u>Dibromoacetic acid</u>	<u>6.3</u>
Total:	17.6

Monitor Compounds:

Bromochloroacetic acid	8.3
Dalapon	<1.0

Comments:



AMMONIA ANNUAL

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0531608**



BILL TO:

BILL TCEQ

REPORT TO:

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name

Address 1

PO BOX 248

Address 2

SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **05** **25** **05** **10:30**
Month Day Year Military Time

SAMPLE: ☒ Routine ☐ Quarterly ☐ Priority (2 wk) ☐ Emergency 24 hr / 48 hr

WATER SOURCE: ☐ Ground ☒ Surface ☐ GUI ☐ Blended ☐ New Source

SAMPLING LOCATION:

☐ SOURCE (WELL): Source Code: _____

Source Location: _____

☒ DISTRIBUTION: Location: **1007 W PALO PINTO ST**

☐ ENTRY POINT(S): Plant: _____

Tap Location: _____

RECEIVED
EP **AUG 08 2005**

EP <u>D</u>		EP _____		EP _____		EP _____	
0531608							
TCEQ SAMPLE ID #		TCEQ SAMPLE ID #		TCEQ SAMPLE ID #		TCEQ SAMPLE ID #	

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rich N. Hardin
Signature (Water System Representative)

Rich N. Hardin
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.55** ☐ Free ☒ Total

TAP FLUSHING: **10:20** START **10:30** END **2:49** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen Billington
Signature (Sampling Technician)
Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 ☐ ALL MINERALS 1 QT PLASTIC 150.1, 300.0 Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B Iced, 7 Day Hold Time	13 ☐ VOC 2-40 mL GLASS 524.2 & Field Blank Ascorbic Acid, HCl, Iced, 14 Day Hold Time
1A ☐ NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0 Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine	14 ☐ TRIHALOMETHANES 2-40 mL GLASS 502.2 Sodium Thiosulfate, Iced, 14 Day Hold Time
1C ☐ NITRATE 100 mL PLASTIC 300.0 Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine	18 ☐ HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2 Ammonium Chloride, Iced, 14 Day Hold Time
2 ☐ ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1 No Field Preservation, 14 Day Hold Time	16 ☐ RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time
2A ☐ METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7 Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg No Field Preservation, 14 Day Hold Time	16 ☐ RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1 SM 7500-UC No Field Preservation, 5 Day Hold Time
☐ SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1 Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Tl, Zn, Se, Na, (Hardness Ca, Mg) _____ ONLY No Field Preservation, 14 Day Hold Time	☒ OTHER AMMONIA ☐ None ☐ Sodium Sulfite ☐ Iced ☒ Other: Sulfuric acid
8 ☐ SEMIVOLATILES (SOC5) 1 QT GLASS 525.2 Sodium Sulfite, HCl, Iced, 14 day Hold Time	

COMMENTS:

LABORATORY USE ONLY

LAB NAME: _____

DATE RECEIVED: **MAY 26 2005** DATE REPORTED: _____

EP5 12069

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

5093



NO2
ANNUAL

Public Water System Water Analysis

PWS / 1820010 / CA

0531617

TCEQ SAMPLE ID #:

1820010

WATER SYSTEM ID #:

DATE/TIME COLLECTED:

05 25 05 10:30
Month Day Year Military Time

SAMPLE: [X] Routine [] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code:

Source Location:

[X] DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant:

Tap Location:

BILL TO:

BILL TCEQ

REPORT TO:

City, State, Zip

SANTO WSC

(Use Field Report for address changes)

Name

PO BOX 248

SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

EP D

0531617

TCEQ SAMPLE ID #

EP

TCEQ SAMPLE ID #

EP

TCEQ SAMPLE ID #

EP

TCEQ SAMPLE ID #

EP

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Ricky N. Hardin
Signature (Water System Representative)

Ricky N. HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: 4 CHLORINE RESIDUAL: 1.55 [] Free [X] Total

TAP FLUSHING: 10:20 START 10:30 END 24% TEMP.

FILTRATES: START END AIR TEMP H₂O TEMP

pH TURBIDITY LAST RAINFALL

Allen Billington
Signature (Sampling Technician)

Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [X] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

ONLY

No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2

Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
No Field Preservation, 5 Day Hold Time SM 7500-UC

[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER

[] None [] Sodium Sulfite [] Iced [] Other

COMMENTS:

LABORATORY USE ONLY

LAB NAME:

LA:

EP5 12086

DATE RECEIVED:

MAY 26 2005

DATE REPORTED:

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

RECEIVED
AUG 08 2005
CENTRAL FILE ROOM

ic

5093



TTHM
(2NDQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0531610**



SANTO WSC

Name
RONALD EDWARDS PRESIDENT

Address 1
PO BOX 248

Address 2
SANTO, TX 764720000

City, State, Zip

(Use Field Report for address changes)

SANTO WSC

Name

Address 1
PO BOX 248

Address 2
SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: **1820010**

DATE/TIME COLLECTED: **05** **25** **05** **10:30**
Month Day Year Military Time

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[X] DISTRIBUTION: Location: **1007 W PALO PINTO ST**

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

EP **D**

0531610

TCEQ SAMPLE ID #

EP _____

TCEQ SAMPLE ID #

EP _____

TCEQ SAMPLE ID #

EP _____

TCEQ SAMPLE ID #

EP _____

TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Ricky N. Hardin
Signature (Water System Representative)

Ricky N. HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

REGION #: **4** CHLORINE RESIDUAL: **1.55** [] Free [X] Total

TAP FLUSHING: **10:20** START **10:30** END **2:49** TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

_____ pH _____ TURBIDITY _____ LAST RAINFALL _____

Allen Billington
Signature (Sampling Technician)

Allen Billington
Print Name

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] **ALL MINERALS** 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS
Iced, 7 Day Hold Time

1A [] **NITRATE / NITRITE** 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] **NITRATE** 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] **ALL METALS** 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] **METALS 14 GROUP (ICP)** 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] **SINGLE METAL** 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn
Se, Na, (Hardness Ca, Mg)

_____ ONLY
No Field Preservation, 14 Day Hold Time

8 [] **SEMIVOLATILES (SOC5)** 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] **VOC** 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] **TRICHALOMETHANES** 2-40 mL GLASS 502.2
[X] Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [] **HALOACETIC ACIDS (HAA)** 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] **RADIOCHEMICAL GRAB** 1 GAL PLASTIC 900.0, 904.0, 907.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time

16 [] **RADIOCHEMICAL COMPOSITE** 900.0, 904.0, 907.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] **OTHER** _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS:

LABORATORY USE ONLY

EP5 12128

LAB NAME: _____
DATE RECEIVED: **MAY 26 2005**

DATE REPORTED: **MAY 31 2005**

5043

RECEIVED
JUL 18 2005
TCEQ
CENTRAL FILE ROOM

1100 W. 49th Street
Austin, TX 78756

Department of State Health Services
Trihalomethanes by GC-ELCD

Contact: Carl Hogberg
(512)458-7552

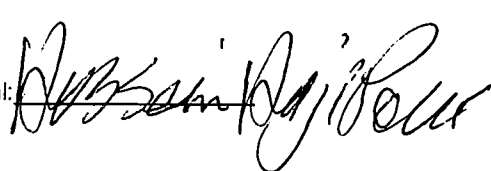
Submitter ID: 1820010
DSHS Lab ID: EP05-12128
Method: EPA 502.2 Rev. 2.1 (THM)
Data File: 05260020.D
QC File: D:\HPCHEM\1\DATA\O01G0526
Sample Type: Water

Date Collected: 05/25/2005
Date Prepared: 05/26/2005
Date Analyzed: 5/26/2005 7:50
Analyst: C. Sawyer
Dilution Factor: 1
Concentration Units: µg/l

Compound:	Result:
Chloroform	12.3
Bromodichloromethane	20.0
Dibromochloromethane	24.0
Bromoform	7.4
Total THM's	63.7

COMMENTS:

Rev. 5 (9/04) HP5890 S/N3336A55498

Approval: 

MAY 27 2005

TEXAS DEPARTMENT OF HEALTH
BUREAU OF LABORATORIES
WATER ANALYSIS REPORT

Submitter Identification Number: 1820010

SANTO WSC

PO BOX 248
SANTO, TX 76472**RECEIVED****JUN 20 2005**TCEQ
CENTRAL FILE ROOM

Laboratory Number: EP512086

Sample Type: DISTRIBUTION

Sample Source: 0531617

Entry Points:

Collector Remarks: NITRITE/1007 W PALO PINTO

Date Collected: 05/25/2005

Date Received: 05/26/2005

Date Reported: 05/31/2005

Constituent Name

Result

Units

+/-

Nitrite

<

0.01

mg/l

TEXAS DEPARTMENT OF HEALTH
BUREAU OF LABORATORIES
WATER ANALYSIS REPORT

Submitter Identification Number: 1820010

RECEIVED

SANTO WSC

JUN 20 2005

PO BOX 248

TCEQ
CENTRAL FILE ROOM

SANTO, TX 76472

Laboratory Number: EP512069

Date Collected: 05/25/2005

Sample Type: DISTRIBUTION

Date Received: 05/26/2005

Sample Source: 0531608

Date Reported: 05/31/2005

Entry Points:

Collector Remarks: AMMONIA/1007 W PALO PINTO

Constituent Name

Result

Units

+/-

AMMONIA

0.33 mg/L NH3 as N



HAA5
(1STQ)

* Resample *

NEW TCEQ ID# 0594504

PWS / 1820010 / CA

Public Water System Water Analysis

TCEQ SAMPLE ID #: 0531609- TB

BILL TO:

REPORT TO:

SANTO WSC

Name: RONALD EDWARDS PRESIDENT

Address 1: PO BOX 248

Address 2: SANTO, TX 764720000

City, State, Zip

SANTO WSC

Name

Address 1: PO BOX 248

Address 2: SANTO, TX 764720000

City, State, Zip

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

WATER SYSTEM ID #: 1820010

DATE/TIME COLLECTED: 03/29/05 09:25
Month Day Year Military Time

SAMPLE: [] Routine [X] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

WATER SOURCE: [] Ground [X] Surface [] GUI [] Blended [] New Source

SAMPLING LOCATION:

[] SOURCE (WELL): Source Code: _____

Source Location: _____

[X] DISTRIBUTION: Location: 1007 W PALO PINTO ST

[] ENTRY POINT(S): Plant: _____

Tap Location: _____

Use for locational composites only				
EP _____	EP _____	EP _____	EP _____	EP _____
TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____	TCEQ SAMPLE ID # _____

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

Rick N. Hardin
Signature (Water System Representative)

Rick N. HARDIN
Print Name

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (http://www.tceq.state.tx.us)

REGION #: 4 CHLORINE RESIDUAL: 1.7 [] Free [X] Total
TAP FLUSHING: 09:20 START 09:25 END 17°C TEMP.

FILTRATES: _____ START _____ END _____ AIR TEMP _____ H₂O TEMP _____

pH _____ TURBIDITY _____ LAST RAINFALL _____

Tracy Billington
Signature (Sampling Technician)

Print Name

RECEIVED
JUN 22 2005

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS 1 QT PLASTIC 150.1, 300.0
Cl, F, NO₃, SO₄, pH, Cond, T-P Alk, HCO₃, CO₃, TDS SM 2501B, SM 2520B
Iced, 7 Day Hold Time

1A [] NITRATE / NITRITE 100 mL PLASTIC 353.2, 300.0
Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine

1C [] NITRATE 100 mL PLASTIC 300.0
Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine

2 [] ALL METALS 1 QT PLASTIC 200.8, 200.7, 245.1
No Field Preservation, 14 Day Hold Time

2A [] METALS 14 GROUP (ICP) 1 QT PLASTIC 200.8, 200.7
Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg
No Field Preservation, 14 Day Hold Time

[] SINGLE METAL 1 QT PLASTIC 200.8, 200.7, 245.1
Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg)
ONLY
No Field Preservation, 14 Day Hold Time

8 [] SEMIVOLATILES (SOC5) 1 QT GLASS 525.2
Sodium Sulfite, HCl, Iced, 14 day Hold Time

13 [] VOC 2-40 mL GLASS 524.2
& Field Blank
Ascorbic Acid, HCl, Iced, 14 Day Hold Time

14 [] TRIHALOMETHANES 2-40 mL GLASS 502.2
Sodium Thiosulfate, Iced, 14 Day Hold Time

18 [X] HALOACETIC ACIDS (HAA) 2-60 mL GLASS 552.2
Ammonium Chloride, Iced, 14 Day Hold Time

16 [] RADIOCHEMICAL GRAB 1 GAL PLASTIC 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time

16 [] RADIOCHEMICAL COMPOSITE 900.0, 904.0 903.1
SM 7500-UC
No Field Preservation, 5 Day Hold Time
[] 1 OF 4 [] 2 OF 4 [] 3 OF 4 [] 4 OF 4
1 GAL PLASTIC 1 QT PLASTIC 1 QT PLASTIC 1 QT PLASTIC

[] OTHER _____
[] None [] Sodium Sulfite [] Iced [] Other: _____

COMMENTS: * Resample, old TCEQ ID# 0531609, New TCEQ ID# 0594504 *

LABORATORY: EP5 07975 LAB NAME: _____
LAB ID #: _____ DATE RECEIVED: APR 1 2005 DATE REPORTED: APR 12 2005

WHITE - Lab

YELLOW - Sampler

PINK - Contractor

GOLDENROD - Water System

4051

1100 W 49th Street
Austin TX 78756

Texas Department of State Health Services
Haloacetic Acids GC Results

Contact: Carl Hogberg
(512) 458-7552

Submitter Sample Number 1820010
TDH Sample Name EP5-07975
Method 552.2
Data File Name 04050018.D
QC File C:\MSDCHEM\1\DATA\O16P0405\
Sample Type Water

Date Collected 3/29/2005
Date Extracted 4/4/2005
Date Analyzed 4/6/2005 3:02
Analyst FBabazadeh
Dilution Factor 1
Concentration Units µg/L

Regulated Compounds: Result:

Monochloroacetic acid	3.2
Dichloroacetic acid	8.9
Trichloroacetic acid	2.5
Monobromoacetic acid	<1.0
Dibromoacetic acid	6.3
<u>Total:</u>	<u>20.9</u>

Monitor Compounds:

Bromochloroacetic acid	9.2
Dalapon	<1.0

Comments:

Rev #5 9/04 HP6890N SNus10321028

Approval: 

APR 7 2005



TTHM
(1STQ)

Public Water System Water Analysis

PWS / 1820010 / CA

TCEQ SAMPLE ID #: **0531613**



SANTO WSC

WATER SYSTEM ID #: **1820010**

Name **RONALD EDWARDS PRESIDENT**

DATE/TIME COLLECTED: **03** **02** **05** **09:35**
Month Day Year Military Time

Address **PO BOX 248**

SAMPLE: [] Routine [☒] Quarterly [] Priority (2 wk) [] Emergency 24 hr / 48 hr

Address **SANTO, TX 764720000**

WATER SOURCE: [] Ground [☒] Surface [] GUI [] Blended [] New Source

City, State, Zip

SAMPLING LOCATION:

SANTO WSC

(Use Field Report for address changes)

Name

[] SOURCE (WELL): Source Code

Address **PO BOX 248**

Source Location:

Address **SANTO, TX 764720000**

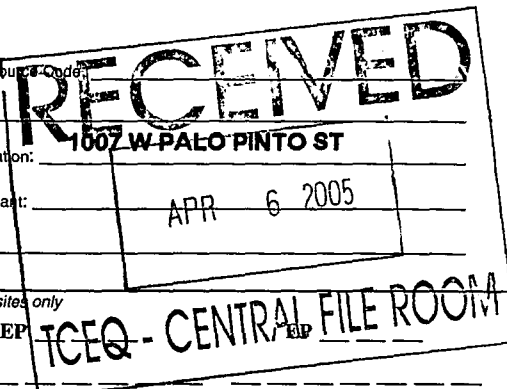
[☒] DISTRIBUTION: Location: **1007 W PALO PINTO ST**

City, State, Zip

[] ENTRY POINT(S): Plant:

(List each E.P. & corresponding TCEQ ID # in this sample in the box below)

Tap Location:



EP	EP	EP	EP	EP
TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #	TCEQ SAMPLE ID #

Water analyses are required by law (30 TAC 290). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees.

REGION #: **4** CHLORINE RESIDUAL: **1.4** [] Free ☒ Total

TAP FLUSHING: **09:30** START **09:37** END **14:00** TEMP.

[Signature]
Signature (Water System Representative)

FILTRATES: START END AIR TEMP H₂O TEMP

RICKS AL. HARDIN
Print Name

pH TURBIDITY LAST RAINFALL

Instructions for sample collection and submission are available on request from the Public Drinking Water Section of the Texas Commission on Environmental Quality (512) 239-4691 • (<http://www.tceq.state.tx.us>)

[Signature]
Signature (Sampling Technician)

Print Name

Trulon Billington

EACH BLOCK REQUIRES SEPARATE CONTAINERS AND FORM (Check only one test)

1 [] ALL MINERALS Cl, F, NO ₃ , SO ₄ , pH, Cond, T-P Alk, HCO ₃ , CO ₃ , TDS Iced, 7 Day Hold Time	1 QT PLASTIC 150.1, 300.0 SM 2501B, SM 2520B
1A [] NITRATE / NITRITE Iced, 48 Hour Hold Time, < 0.2 mg/L chlorine	100 mL PLASTIC 353.2, 300.0
1C [] NITRATE Iced, 14 Day Hold Time, ≥ 0.2 mg/L chlorine	100 mL PLASTIC 300.0
2 [] ALL METALS No Field Preservation, 14 Day Hold Time	1 QT PLASTIC 200.8, 200.7, 245.1
2A [] METALS 14 GROUP (ICP) Al, Be, Ba, Cr, Cu, Fe, Pb, Mn, Ni, Na, Ag, Zn, Ca, Mg No Field Preservation, 14 Day Hold Time	1 QT PLASTIC 200.8, 200.7
[] SINGLE METAL Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Ag, Ti, Zn, Se, Na, (Hardness Ca, Mg) ONLY No Field Preservation, 14 Day Hold Time	1 QT PLASTIC 200.8, 200.7, 245.1
8 [] SEMIVOLATILES (SOC5) Sodium Sulfite, HCl, Iced, 14 day Hold Time	1 QT GLASS 525.2

13 [] VOC Ascorbic Acid, HCl, Iced, 14 Day Hold Time	2-40 mL GLASS & Field Blank 524.2
14 [☒] TRIHALOMETHANES Sodium Thiosulfate, Iced, 14 Day Hold Time	2-40 mL GLASS 502.2
18 [] HALOACETIC ACIDS (HAA) Ammonium Chloride, Iced, 14 Day Hold Time	2-60 mL GLASS 552.2
16 [] RADIOCHEMICAL GRAB No Field Preservation, 5 Day Hold Time	1 GAL PLASTIC 900.0, 904.0 903.1 SM 7500-UC
16 [] RADIOCHEMICAL COMPOSITE No Field Preservation, 5 Day Hold Time	900.0, 904.0 903.1 SM 7500-UC
[] 1 OF 4 1 GAL PLASTIC	[] 2 OF 4 1 QT PLASTIC
[] 3 OF 4 1 QT PLASTIC	[] 4 OF 4 1 QT PLASTIC
[] OTHER _____	
[] None [] Sodium Sulfite [] Iced [] Other: _____	

ic

COMMENTS:

LABOR

EP5 05732

LAB NAME:

LAB ID:

DATE RECEIVED:

MAR 3 2005

DATE REPORTED:

MAR 10 2005

7040

1100 W. 48th Street
Austin, TX 78756

Department of State Health Services
Trihalomethanes by GC-ELCD

Contact: Carl Hogberg
(512)458-7552

Submitter ID: 1820010
DSHS Lab ID: EP05-05732
Method: EPA 502.2 Rev. 2.1 (THM)
Data File: 03030024.D
QC File: C:\MSDCHEM\1\DATA\O03G0303
Sample Type: Water

Date Collected: 3/2/2005
Date Prepared: 3/3/2005
Date Analyzed: 3/4/2005 2:16
Analyst: L. Zhong
Dilution Factor: 1
Concentration Units: µg/l

Compound:	Result:
Chloroform	13.0
Bromodichloromethane	19.3
Dibromochloromethane	16.7
Bromoform	4.2
Total THM's	53.2

COMMENTS:

Rev. 5 (9/04) Agilent 6890N US10342117

Approval: 

MAR 04 2005