



DEPARTMENT OF THE ARMY  
CAMP STANLEY STORAGE ACTIVITY, MCAAP  
25800 RALPH FAIR ROAD, BOERNE, TX 78015-4800

July 13, 2007

U-079-07

Mr.  
Bexar Metropolitan Water District  
2047 W. Malone  
San Antonio, TX 78257

Subject: Sampling of Four Bexar Met Water Wells:  
LS-3, Located at Farenthold Circle at Danna Marie, (#106-WP1)  
LS-4, Located at 24818 Ima Ruth Parkway,  
HS-1, Located at Falcon View at Rocky Hill Road, and  
HS-2, Located at Falcon View at Rocky Hill Road

Dear Mr.

Camp Stanley Storage Activity (CSSA) collected groundwater samples from the above wells (LS-3, LS-4, HS-1, and HS-2) on 3/21/07. These samples were submitted to a laboratory contracted by CSSA's environmental contractor for volatile organic compound (VOC) analysis. This letter provides you with the VOC data from the laboratory results and a formal thank you for your assistance in this groundwater monitoring effort.

An abbreviated summary of analytical results compared to maximum contaminant levels (MCL) allowed in drinking water by the U.S. EPA under the Safe Drinking Water Act is provided in the table below. All analyte concentrations were below MCLs, so they do not affect the usability of your well.

Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well LS-3, Located at Farenthold Circle at Danna Marie, (#106-WP1)			
3/21/07	Tetrachloroethene (PCE)	1.08F	5
	Trichloroethene (TCE)	0.66F	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-4, Located at 24818 Ima Ruth Parkway			
3/21/07	PCE	0.22F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
Well HS-1, Located at Falcon View at Rocky Hill Road			
3/21/07	PCE	0.15F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70

Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well HS-2, Located at Falcon View at Rocky Hill Road			
3/21/07	PCE	0.16F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
Well HS-2, field duplicate			
3/21/07	PCE	0.16F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70

\*The "F" qualifier indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

Based on the analytical data, low levels of the VOCs PCE and/or TCE were identified in water samples from wells HS-1, HS-2, LS-3, and LS-4. Our field crew was informed that well LS-2 (#106-WP2) is offline due to the fact that the well is dry; therefore a sample was not collected from this well. Results from the laboratory analysis are provided as an attachment for March 2007. The concentrations reported for these VOCs were above the MCLs in the past. Therefore, a granular activated carbon (GAC) filtration system was installed at wells LS-2 and LS-3 in April 2002 by Carbonair Environmental Systems of San Marcos, Texas. CSSA will be responsible for all costs associated with operation and maintenance of this system.

Carbonair performed maintenance on the system in September 2005. Carbonair will replace the carbon, if needed, and perform other routine maintenance operations at future scheduled visits. If you experience any problems with the system, please let CSSA know immediately. Carbonair is very responsive and can make additional maintenance visits if needed.

On 3/21/07 CSSA also collected a sample from your wells (LS-2 and LS-3) after the water was processed through the first and second GAC filter system. Based on the analytical data, low levels of the VOC TCE were identified in sample LS-2/LS-3-A1, after the first carbon canister (A1) and before the second carbon canister (A2). This level is below the applicable MCL and does not affect usability of your well.

A summary of the post GAC analytical results is provided below. Copies of the laboratory data sheets are attached. CSSA will collect additional confirmation samples periodically to confirm the system remains effective. The next post GAC sampling will be conducted in September 2007.


Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well LS-2/LS-3 POST GAC, GAC samples for 106-WP2 and 106-WP1			
3/21/07 A1, First Carbon Canister	PCE	<0.06 (non-detect)	5
	TCE	0.19F	5
	DCE	<0.07 (non-detect)	70
Well LS-2/LS-3 POST GAC, GAC samples for 106-WP2 and 106-WP1			
3/21/07 A2, Second Carbon Canister	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70

\*The "F" qualifier indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

As part of the ongoing CSSA environmental program, we are continuing to investigate and cleanup VOC source areas on the installation and to track these compounds in groundwater on- and off-post. As part of this effort, we may contact you in the future to schedule another sampling event for the wells listed above.

Again, we would like to thank you for your cooperation. We regret that your wells have been impacted, but remain committed to making sure your water is safe to use and keeping you informed. If you have any questions concerning this letter, please contact Glare Sanchez, CSSA Environmental Program Manager, at (210) 698-5208.

Sincerely,

  
Jason D. Shirley  
Installation Manager

#### Attachments

cc: Mr. Greg Lyssy, EPA Region 6  
Mr. Sonny Rayos, TCEQ Central Office  
Mr. Henry Karnei, TCEQ Region 13  
Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.  
Ms. Julie Burdey, Parsons  
Ms. Kimberly Vaughn, Parsons

AFCEE  
ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: LS-3      Lab Sample ID: AX58973      Matrix: Water  
 % Solids: NA      Initial Calibration ID: H070323  
 Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.66	1		F
Tetrachloroethene	0.06	1.4	1.08	1		F
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	82.2	69-139	
4-Bromofluorobenzene(S)	92.7	75-125	
Dibromofluoromethane(S)	87.1	75-125	
Toluene-D8(S)	107	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D(IS)	
Chlorobenzene-D5(IS)	
Fluorobenzene(IS)	

Comments:

ARF: 53067

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B    Preparatory Method: 5030B    AAB #: 070327BH-111314  
Lab Name: APPL, Inc    Contract #: F41624-03-D-08613  
Field Sample ID: LS-2/LS-3-A1    Lab Sample ID: AX58974    Matrix: Water  
% Solids: NA    Initial Calibration ID: H070323

Date Received: 23-Mar-07    Date Prepared: 28-Mar-07    Date Analyzed: 28-Mar-07

Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.19	1		F
Tetrachloroethene	0.06	1.4	0.06	1		U
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	76.7	69-139	
4-Bromofluorobenzene(S)	89.5	75-125	
Dibromofluoromethane(S)	80.8	75-125	
Toluene-D8(S)	103	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D1(S)	
Chlorobenzene-D5(S)	
Fluorobenzene(S)	

Comments:

ARF: 53067

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: LS-2/LS-3-A2      Lab Sample ID: AX58975      Matrix: Water  
 % Solids: NA      Initial Calibration ID: H070323  
 Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	0.06	1		U
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	78.9	69-139	
4-Bromofluorobenzene(S)	96.8	75-125	
Dibromofluoromethane(S)	84.2	75-125	
Toluene-D8(S)	106	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D(IS)	
Chlorobenzene-D5(IS)	
Fluorobenzene(IS)	

Comments:

ARF: 53067

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
Field Sample ID: LS-4      Lab Sample ID: AX58976      Matrix: Water  
% Solids: NA      Initial Calibration ID: H070323

Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	0.22	1		F
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	78.7	69-139	
4-Bromofluorobenzene(S)	92.7	75-125	
Dibromofluoromethane(S)	83.8	75-125	
Toluene-D8(S)	104	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D(IS)	
Chlorobenzene-D5(IS)	
Fluorobenzene(IS)	

Comments:

ARF: 53067

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: HS-2      Lab Sample ID: AX58977      Matrix: Water  
 % Solids: NA      Initial Calibration ID: H070323  
 Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	0.16	1		F
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	76.3	69-139	
4-Bromofluorobenzene(S)	94.0	75-125	
Dibromofluoromethane(S)	83.5	75-125	
Toluene-D8(S)	113	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D(IS)	
Chlorobenzene-D5(IS)	
Fluorobenzene(IS)	

Comments:

ARF: 53067



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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
Field Sample ID: HS-2 DUP      Lab Sample ID: AX58978      Matrix: Water  
% Solids: NA      Initial Calibration ID: H070323

Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	0.16	1		F
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	79.4	69-139	
4-Bromofluorobenzene(S)	94.6	75-125	
Dibromofluoromethane(S)	83.8	75-125	
Toluene-D8(S)	107	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D1(S)	
Chlorobenzene-D5(S)	
Fluorobenzene(S)	

Comments: *Field duplicate of HS-2. TC 4/17/07*  
ARF: 53067

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 070327BH-111314  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: HS-1      Lab Sample ID: AX58979      Matrix: Water  
 % Solids: NA      Initial Calibration ID: H070323  
 Date Received: 23-Mar-07      Date Prepared: 28-Mar-07      Date Analyzed: 28-Mar-07  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	0.15	1		F
Trans-1,2-DCE	0.08	0.6	0.08	1		U
Vinyl chloride	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	76.4	69-139	
4-Bromofluorobenzene(S)	88.7	75-125	
Dibromofluoromethane(S)	80.3	75-125	
Toluene-D8(S)	107	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D(IS)	
Chlorobenzene-D5(IS)	
Fluorobenzene(IS)	

Comments:

ARF: 53067

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