



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

May 4, 2011

U-072-11

SUBJECT: Sampling of Water Well RFR-10, Located at 25490 Old Fredericksburg Rd.

Camp Stanley Storage Activity (CSSA) collected a groundwater sample from your well (RFR-10) on 2/28/11. This sample was 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 (MCLs) allowed in drinking water by the U.S. EPA under the Safe Drinking Water Act is provided below:

Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well RFR-10, located at 25490 Old Fredericksburg Road			
2/28/11	Tetrachloroethene (PCE)	30.98	5
	Trichloroethene (TCE)	13.03	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	0.39F	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, levels of the VOCs PCE, TCE, and *cis*-1,2-DCE were identified in the water sample from your well before granular activated carbon (GAC) filtration. Results from the laboratory analysis are provided as an attachment for the above sampling event. The concentrations reported for the VOCs PCE and TCE are above the MCL and were above the MCL in the past. Therefore, a filtration system has been installed on your well.

Carbonair Environmental Systems of San Marcos, Texas previously installed the GAC filtration system on your well RFR-10. The system will remain in operation for the foreseeable future or until significant reductions in contamination levels are seen in the water in your well before it enters the filtration system. As we discussed at the time of installation, CSSA will continue to be responsible for all costs associated with operation and maintenance of this system. CSSA will continue to send a representative every three weeks to exchange the five-micron pre- and post-filters in the system.

Carbonair exchanged the first carbon canister and performed other routine maintenance on your system in January 2011. If you experience any problems with the system, please let the installer or CSSA know immediately. Carbonair is very responsive and can make additional maintenance visits if needed.

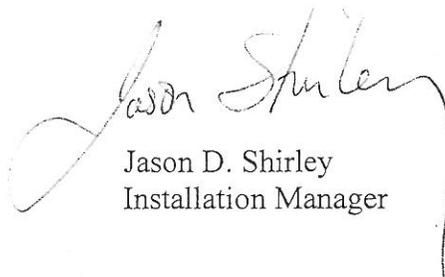
On 2/28/11, CSSA collected a sample from your well (RFR-10) after the water was processed through the GAC filter system. This sample is representative of the water being delivered to your house for daily use. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the sample after the second carbon canister (A2). 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 on a 6 month basis to confirm the system remains effective.

Date Sampled	VOC compound	Result (ppb)	MCL (ppb)
Well RFR-10-A2, located at 25490 Old Fredericksburg Road			
2/28/11	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	<i>cis</i> -1,2-DCE	<0.07 (non-detect)	70
Well RFR-10-B2, located at 25490 Old Fredericksburg Road			
2/28/11	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	<i>cis</i> -1,2-DCE	<0.07 (non-detect)	70
Well RFR-10-B2, field duplicate			
2/28/11	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	<i>cis</i> -1,2-DCE	<0.07 (non-detect)	70

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, your well will be sampled again in June 2011.

Again, we would like to thank you for your cooperation. We regret that your well has 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 Gabriel Moreno-Fergusson, Environmental Program Manager, at (210) 698-5208.

Sincerely,



Jason D. Shirley  
Installation Manager

Enclosure

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- cc: Mr. Greg Lyssy, EPA Region 6  
 Mr. Kirk Coulter, TCEQ Central Office  
 Mr. Henry Karnei, TCEQ Region 13  
 Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.  
 Ms. Julie Burdey, Parsons

AFCEE  
ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 110302AT-152953  
 Lab Name: APPL, Inc      Contract #: 2010\*1286022\*000  
 Field Sample ID: RFR-10      Lab Sample ID: AY33197      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T110302  
 Date Received: 01-Mar-11      Date Prepared: 02-Mar-11      Date Analyzed: 02-Mar-11  
 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	0.39	1		F
TCE	0.05	1.0	13.03	1		
TETRACHLOROETHENE	0.06	1.4	30.98	1		
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
SURROGATE: 1,2-DICHLOROETHANE-	98.5	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	92.7	75-125	
SURROGATE: DIBROMOFLUOROMETH	94.7	75-125	
SURROGATE: TOLUENE-D8 (S)	98.0	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 64013

AFCEE  
ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 110303AT-152954  
 Lab Name: APPL, Inc      Contract #: 2010\*1286022\*000  
 Field Sample ID: RFR-10-A2      Lab Sample ID: AY33198      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T110302  
 Date Received: 01-Mar-11      Date Prepared: 03-Mar-11      Date Analyzed: 03-Mar-11  
 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
SURROGATE: 1,2-DICHLOROETHANE-	104	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	92.6	75-125	
SURROGATE: DIBROMOFLUOROMETH	96.0	75-125	
SURROGATE: TOLUENE-D8 (S)	97.9	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 64013

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 110302AT-152953  
 Lab Name: APPL, Inc      Contract #: 2010\*1286022\*000  
 Field Sample ID: RFR-10-B2      Lab Sample ID: AY33200      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T110302  
 Date Received: 01-Mar-11      Date Prepared: 02-Mar-11      Date Analyzed: 02-Mar-11  
 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
SURROGATE: 1,2-DICHLOROETHANE-	98.4	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	94.9	75-125	
SURROGATE: DIBROMOFLUOROMETH	93.4	75-125	
SURROGATE: TOLUENE-D8 (S)	101	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B    Preparatory Method: 5030B    AAB #: 110302AT-152953  
 Lab Name: APPL, Inc    Contract #: 2010\*1286022\*000  
 Field Sample ID: RFR-10-B2 FD    Lab Sample ID: AY33199    Matrix: Water  
 % Solids: NA    Initial Calibration ID: T110302  
 Date Received: 01-Mar-11    Date Prepared: 02-Mar-11    Date Analyzed: 02-Mar-11  
 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
SURROGATE: 1,2-DICHLOROETHANE-	101	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	92.8	75-125	
SURROGATE: DIBROMOFLUOROMETH	96.7	75-125	
SURROGATE: TOLUENE-D8 (S)	99.1	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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