



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

December 29, 2006

U-025-07

[REDACTED]  
Bexar Metropolitan Water District  
2047 W. Malone  
San Antonio, TX 78257

Subject: Sampling of five 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 [REDACTED]

Camp Stanley Storage Activity (CSSA) collected groundwater samples from the above wells (LS-3, LS-4, HS-1, and HS-2) on 9/19/06. 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 from unfiltered water compared to maximum contaminant levels (MCLs) 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)			
9/19/06	Tetrachloroethene (PCE)	0.99F	5
	Trichloroethene (TCE)	0.54F	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-4, Located at 24818 Ima Ruth Parkway			
9/19/06	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
Well HS-1, Located at Falcon View at Rocky Hill Road			
9/19/06	PCE	<0.06 (non-detect)	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			
9/19/06	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.

Based on the analytical data, low levels of the VOCs PCE and TCE were identified in unfiltered water samples from well LS-3. Our field crew was informed that well LS-2 (#106-WP2) is offline due to pump failure; therefore a sample was not collected from this well. Results from the laboratory analysis are provided as an attachment for the event included in the summary tables above. 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 9/19/06 CSSA collected a sample from your wells (LS-2 and LS-3) after the water was filtered through the first and second granular activated carbon (GAC) filtration systems. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the sample after the first carbon canister (A1) or second carbon canister (A2). A summary of the post GAC analytical results of the filtered water 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 March 2007.

Date Sampled	VOC compound	Result (ppb)	MCL (ppb)
Well LS-2/LS-3 POST GAC, GAC samples for 106-WP2 and 106-WP1			
9/19/06 A1, First Carbon Canister	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70

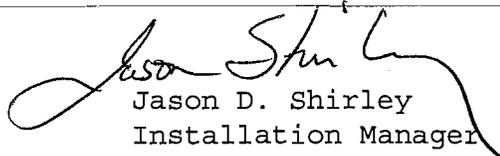
Date Sampled	VOC compound	Result (ppb)	MCL (ppb)
Well LS-2/LS-3 POST GAC, GAC samples for 106-WP2 and 106-WP1			
9/19/06 A2,	PCE	<0.06 (non-detect)	5
Second	TCE	<0.05 (non-detect)	5
Carbon Canister	DCE	<0.07 (non-detect)	70

\*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 to track these compounds in groundwater on- and off-post. 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 Ms. Glare Sanchez, CSSA Environmental Program Manager, at 698-5208.

Sincerely,



Jason D. Shirley  
Installation Manager

Attachments

cc: Ms. Glare Sanchez, CSSA Environmental Program Manager  
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 #: 061001AN-105311  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: LS-2/LS-3-A1      Lab Sample ID: AX49266      Matrix: Water  
 % Solids: NA      Initial Calibration ID: N060930  
 Date Received: 21-Sep-06      Date Prepared: 01-Oct-06      Date Analyzed: 01-Oct-06  
 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)	103	69-139	
4-Bromofluorobenzene(S)	96.3	75-125	
Dibromofluoromethane(S)	102	75-125	
Toluene-D8(S)	102	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D1S	
Chlorobenzene-D5(S)	
Fluorobenzene(S)	

Comments: ARF: 51698

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 061001AN-105311  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: LS-2/LS-3-A2      Lab Sample ID: AX49265      Matrix: Water  
 % Solids: NA      Initial Calibration ID: N060930  
 Date Received: 21-Sep-06      Date Prepared: 01-Oct-06      Date Analyzed: 01-Oct-06  
 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)	106	69-139	
4-Bromofluorobenzene(S)	97.9	75-125	
Dibromofluoromethane(S)	97.8	75-125	
Toluene-D8(S)	98.9	75-125	

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

Comments:      ARF: 51698

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 061001AN-105311  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: LS-3      Lab Sample ID: AX49267      Matrix: Water  
 % Solids: NA      Initial Calibration ID: N060930  
 Date Received: 21-Sep-06      Date Prepared: 01-Oct-06      Date Analyzed: 01-Oct-06  
 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	0.54	1		F
Tetrachloroethene	0.06	1.4	0.99	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)	114	69-139	
4-Bromofluorobenzene(S)	97.9	75-125	
Dibromofluoromethane(S)	112	75-125	
Toluene-D8(S)	98.5	75-125	

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

Comments:

ARF: 51698

AFCEE FORM O-2

**AMENDED PAGE**

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B    Preparatory Method: 5030B    AAB #: 061001AN-105311  
 Lab Name: APPL, Inc    Contract #: F41624-03-D-08613  
 Field Sample ID: LS-4    Lab Sample ID: AX49268    Matrix: Water  
 % Solids: NA    Initial Calibration ID: N060930  
 Date Received: 21-Sep-06    Date Prepared: 01-Oct-06    Date Analyzed: 01-Oct-06  
 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)	110	69-139	
4-Bromofluorobenzene(S)	102	75-125	
Dibromofluoromethane(S)	109	75-125	
Toluene-D8(S)	102	75-125	

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

Comments:    ARF: 51698

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 061001AN-105311  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: HS-2      Lab Sample ID: AX49269      Matrix: Water  
 % Solids: NA      Initial Calibration ID: N060930  
 Date Received: 21-Sep-06      Date Prepared: 01-Oct-06      Date Analyzed: 01-Oct-06  
 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)	109	69-139	
4-Bromofluorobenzene(S)	101	75-125	
Dibromofluoromethane(S)	103	75-125	
Toluene-D8(S)	101	75-125	

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

Comments:      ARF: 51698

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 061001AN-105311  
 Lab Name: APPL, Inc      Contract #: F41624-03-D-08613  
 Field Sample ID: HS-1      Lab Sample ID: AX49270      Matrix: Water  
 % Solids: NA      Initial Calibration ID: N060930  
 Date Received: 21-Sep-06      Date Prepared: 01-Oct-06      Date Analyzed: 01-Oct-06  
 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)	108	69-139	
4-Bromofluorobenzene(S)	95.1	75-125	
Dibromofluoromethane(S)	102	75-125	
Toluene-D8(S)	98.0	75-125	

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

Comments:      ARF: 51698