



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

August 26, 2005

U-297-05

Subject: Sampling of Water Well LS-5 and LS-6

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your wells (LS-5 and LS-6) on 6/20/05. 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. A similar letter has been sent to Ms. Patty Ramirez who also utilizes well LS-5.

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 LS-5			
6/20/05	Tetrachloroethene (PCE)	<0.06 (non-detect)	5
	Trichloroethene (TCE)	0.10F	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-6			
6/20/05	PCE	1.83	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 VOC TCE were identified in water samples from your well LS-5, while low levels of PCE were detected in well LS-6. These values are below the MCL and do not affect the usability of your wells. Additional detections of bromodichloromethane (0.60F ppb), chloroform (0.6 ppb) and dibromochloromethane (0.43F ppb) were identified in your well LS-6. These VOCs are regulated by the EPA as part of total trihalomethanes with a combined MCL of 80 ppb for all results. The combined result of the total trihalomethanes detected in your well is below the 80 ppb MCL at a concentration of 1.63 ppb total, and do not affect the usability of your well. These compounds are common disinfection byproducts related to disinfectants added to drinking water. Results from the laboratory analysis for the sample are provided as an

attachment for the 6/22/05 event. The concentrations reported for the VOC PCE and TCE were above the MCL in the past in your well LS-6 and a filtration system was previously installed on your well.

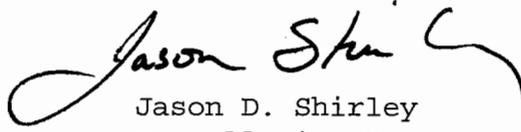
Carbonair Environmental Systems of San Marcos, Texas installed the filtration system on your well. The system will remain in operation for the foreseeable future or until significant reductions in contamination levels are seen in the water in your well before it enters the filtration system. As we discussed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

Carbonair performed maintenance on the system in February 2005. Maintenance will be scheduled approximately every six months. Carbonair will exchange the first carbon canister and perform other routine maintenance operations at each six-month visit. 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.

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 one or more of the wells listed above.

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 me at 295-7416.

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 #: 050701AH-88849
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: LS-5 Lab Sample ID: AX22262 Matrix: Water
 % Solids: NA Initial Calibration ID: H050629
 Date Received: 22-Jun-05 Date Prepared: 02-Jul-05 Date Analyzed: 02-Jul-05
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Bromodichloromethane	0.06	0.8	0.06	1		U
Bromoform	0.13	1.2	0.13	1		U
Chloroform	0.06	0.3	0.06	1		U
Cis-1,2-DCE	0.07	1.2	0.07	1		U
Dibromochloromethane	0.06	0.5	0.06	1		U
Dichlorodifluoromethane	0.11	1.0	0.11	1		U
Methylene chloride	0.51	2.0	0.51	1		U
Naphthalene	0.07	0.4	0.07	1		R
TCE	0.05	1.0	0.10	1		F
Tetrachloroethene	0.06	1.4	0.06	1		U
Toluene	0.06	1.1	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)	73.2	69-139	
4-Bromofluorobenzene(S)	109	75-125	
Dibromofluoromethane(S)	79.9	75-125	
Toluene-D8(S)	100	75-125	

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

Comments: ARF: 47820

See next page for the naphthalene results. TC 7/19/05

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RE-ANALYSIS RESULTS

①
7/18/05
88836

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050705AN-86845
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: LS-5 Lab Sample ID: AX22262 Matrix: Water
 % Solids: NA Initial Calibration ID: N050630B
 Date Received: 22-Jun-05 Date Prepared: 05-Jul-05 Date Analyzed: 05-Jul-05
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.07	0.4	0.07	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-DCA-D4(S)	99.3	69-139	
4-Bromofluorobenzene(S)	93.6	75-125	
Dibromofluoromethane(S)	101	75-125	
Toluene-D8(S)	90.0	75-125	

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

Comments: ARF: 47820

Analysis was performed one day passing the holding time. TC 7/19/05

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050704AN-88824
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: LS-6 Lab Sample ID: AX22263 Matrix: Water
 % Solids: NA Initial Calibration ID: N050630B
 Date Received: 22-Jun-05 Date Prepared: 04-Jul-05 Date Analyzed: 04-Jul-05
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
Bromodichloromethane	0.06	0.8	0.60	1		F
Bromoform	0.13	1.2	0.13	1		U
Chloroform	0.06	0.3	0.60	1		
Cis-1,2-DCE	0.07	1.2	0.07	1		U
Dibromochloromethane	0.06	0.5	0.43	1		F
Dichlorodifluoromethane	0.11	1.0	0.11	1		U
Methylene chloride	0.51	2.0	0.51	1		U
Naphthalene	0.07	0.4	0.07	1		U
TCE	0.05	1.0	0.05	1		U
Tetrachloroethene	0.06	1.4	1.83	1		
Toluene	0.06	1.1	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)	94.8	69-139	
4-Bromofluorobenzene(S)	95.7	75-125	
Dibromofluoromethane(S)	94.6	75-125	
Toluene-D8(S)	96.6	75-125	

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

Comments: ARF: 47820