



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

July 12, 2006

U-113-06

Subject: Sampling of Water Well OFR-3

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your well (OFR-3) on 3/22/06. 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 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 OFR-3			
3/22/06	Tetrachloroethene (PCE)	0.35F	5
	Trichloroethene (TCE)	0.46F	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well OFR-3			
3/22/06	Tetrachloroethene (PCE)	0.41F	5
	Trichloroethene (TCE)	0.52F	5
	<i>cis</i> -1,2-Dichloroethene (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, levels of the VOCs PCE and TCE were identified in water samples from your well. Results from the laboratory analysis are provided as an attachment for the above sampling event. The concentrations reported for these VOCs were above the MCL in the past. Therefore, a filtration system was installed on your well.

As reported previously, the filtration system was installed by Carbonair Environmental Systems of San Marcos, Texas. 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 January 2006. 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.

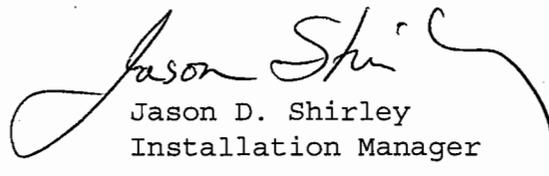
On 3/22/06 CSSA collected a sample from your well after the water was processed through the first and second granular activated carbon (GAC) filter system. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the sample after the second carbon canister (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 periodically to confirm the system remains effective. The next post GAC sampling will be conducted in September 2006.

Date Sampled	VOC compound	Result (ppb)	MCL (ppb)
Well OFR-3 POST GAC, OFR-3-A2			
3/22/06	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	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, we may contact you in the future to schedule another sampling event for the well 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 Glare Sanchez, CSSA Environmental Program Manager, at (210) 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

Data Anomalies

Very low concentrations of dichlorodifluoromethane (0.61F ppb) were also identified in your well. The U.S. EPA does not have a regulatory MCL for dichlorodifluoromethane, and the MCL for methylene chloride is 5 ppb. In addition, methylene chloride was detected at a concentration of 1.15F ppb. These results are below the MCL for methylene chloride and do not affect the usability of your well. Methylene chloride has been reported periodically in samples from both on- and off-post wells since 1992. Each time methylene chloride was detected, it was also present in the analysis method blank, indicating the analyte was introduced as a laboratory contaminant and was not present in the groundwater. Methylene chloride is considered a common laboratory contaminant and there are no known historical uses of methylene chloride on-post.

A data qualifier, M, was placed on the analyte bromodichloromethane for your well. The laboratory is required to follow certain quality assurance procedures, including a set of matrix spike and matrix spike duplicate analyses for every twenty wells sampled. The matrix spike and/or matrix spike duplicate analysis had bromodichloromethane recovered below the acceptance criteria in one of the wells from the same data package. Although the results are still considered usable, all results for bromodichloromethane were flagged "M" for all samples in this data package in accordance with the CSSA (Camp Stanley Storage Activity) QAPP (Quality Assurance Project Plan) requirements.

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 060404AM-98424
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: OFR-3 Lab Sample ID: AX38080 Matrix: Water
 % Solids: NA Initial Calibration ID: M060330
 Date Received: 24-Mar-06 Date Prepared: 04-Apr-06 Date Analyzed: 04-Apr-06
 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		M 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	0.61	1		F
Methylene chloride	0.51	2.0	1.15	1		F
Naphthalene	0.07	0.4	0.07	1		U
TCE	0.05	1.0	0.46	1		F
Tetrachloroethene	0.06	1.4	0.35	1		F
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)	107	69-139	
4-Bromofluorobenzene(S)	98.6	75-125	
Dibromofluoromethane(S)	87.8	75-125	
Toluene-D8(S)	104	75-125	

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

Comments: ARF: 50099

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 060404AM-98424
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: OFR-3 DUP Lab Sample ID: AX38081 Matrix: Water
 % Solids: NA Initial Calibration ID: M060330
 Date Received: 24-Mar-06 Date Prepared: 04-Apr-06 Date Analyzed: 04-Apr-06
 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		M 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	0.66	1		F
Methylene chloride	0.51	2.0	1.15	1		F
Naphthalene	0.07	0.4	0.07	1		U
TCE	0.05	1.0	0.52	1		F
Tetrachloroethene	0.06	1.4	0.41	1		F
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)	107	69-139	
4-Bromofluorobenzene(S)	97.5	75-125	
Dibromofluoromethane(S)	89.9	75-125	
Toluene-D8(S)	103	75-125	

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

Comments: ARF: 50099

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 060405AM-98565
 Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
 Field Sample ID: OFR-3-A2 Lab Sample ID: AX38082 Matrix: Water
 % Solids: NA Initial Calibration ID: M060405
 Date Received: 24-Mar-06 Date Prepared: 05-Apr-06 Date Analyzed: 05-Apr-06
 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		U
TCE	0.05	1.0	0.05	1		U
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)	105	69-139	
4-Bromofluorobenzene(S)	110	75-125	
Dibromofluoromethane(S)	77.6	75-125	
Toluene-D8(S)	106	75-125	

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

Comments: ARF: 50099
