



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

February 23, 2004

U-048-04

RE: Sampling of Water Wells OFR-2
and RFR-10,

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your wells (OFR-2 and RFR-10) on 12/02/03. 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 detected compounds 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-2,			
12/02/03	Tetrachloroethene (PCE)	0.27F	5
	Trichloroethene (TCE)	<0.05 (non-detect)	5
	cis-1,2-Dichloroethene (cis-1,2-DCE)	<0.07 (non-detect)	70
Well RFR-10,			
12/02/03	PCE	26.44	5
	TCE	8.25	5
	cis-1,2-DCE	0.96F	70
12/02/03 Field Duplicate	PCE	30.09	5
	TCE	9.29	5
	cis-1,2-DCE	0.87F	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, a low level of the VOC PCE was present in samples from your well OFR-2. PCE and TCE were identified in water samples from your well RFR-10 at levels above the applicable MCL. A low level of chloroform (0.13F ppb) was detected in RFR-10 and the field duplicate. This VOC is regulated by the EPA as one of the trihalomethanes with a combined MCL of 80 ppb for all of the total trihalomethanes results. These compounds are regulated as disinfection byproducts related to disinfectants added to drinking water. These levels are below the applicable MCL and do not affect usability of your well. Results from the laboratory analysis are provided as an attachment for the above sampling events. 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 September 2003. 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.

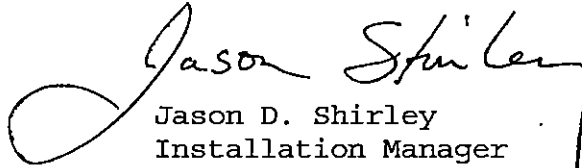
During September 2003, CSSA collected a water sample from your well after being processed through the granular activated carbon (GAC) filter system. Analysis of this sample found levels of VOCs below the drinking water criteria demonstrating that the system is working effectively. A summary of the post GAC analytical results was provided previously. CSSA will collect additional confirmation samples in March 2004 to confirm the system remains effective.

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. When arrangements with the contractors are complete, we will contact you with a proposed sampling date and time. Once we have arranged a date with you, CSSA will attempt to provide at least 72 hours notice prior to proposed sampling events.



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



AFCEE
ORGANIC ANALYSES DATA SHEET-2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 031209AN-71048
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: OFR-2 Lab Sample ID: AP62078 Matrix: Water
% Solids: NA Initial Calibration ID: N031208
Date Received: 03-Dec-03 Date Prepared: 09-Dec-03 Date Analyzed: 09-Dec-03
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	1.0	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	0.27	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)	113	69-139	
4-Bromofluorobenzene(S)	115	75-125	
Dibromofluoromethane(S)	99.9	75-125	
Toluene-D8(S)	103	75-125	

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

Comments: ARF: 43264

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 031209AN-71048
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: RFR-10 Lab Sample ID: AP62079 Matrix: Water
% Solids: NA Initial Calibration ID: N031208
Date Received: 03-Dec-03 Date Prepared: 09-Dec-03 Date Analyzed: 09-Dec-03
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	0.13	1		F
Cis-1,2-DCE	0.07	1.2	0.96	1		F
Dibromochloromethane	0.06	0.5	0.06	1		U
Dichlorodifluoromethane	0.11	1.0	0.11	1		U
Methylene chloride	0.51	1.0	0.51	1		U
Naphthalene	0.07	0.4	0.07	1		U
TCE	0.05	1.0	8.25	1		
Tetrachloroethene	0.06	1.4	26.44	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)	103	69-139	
4-Bromofluorobenzene(S)	111	75-125	
Dibromofluoromethane(S)	98.6	75-125	
Toluene-D8(S)	103	75-125	

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

%RPD of TCE between parent/FD = 11.9%

%RPD of PCE between parent/FD = 12.9%

Comments: ARI: 43264

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 031209AN-71048
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: RFR-10(DUP) Lab Sample ID: AP62080 Matrix: Water
% Solids: NA Initial Calibration ID: N031208
Date Received: 03-Dec-03 Date Prepared: 09-Dec-03 Date Analyzed: 09-Dec-03
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	0.14	1		F
Cis-1,2-DCE	0.07	1.2	0.87	1		F
Dibromochloromethane	0.06	0.5	0.06	1		U
Dichlorodifluoromethane	0.11	1.0	0.11	1		U
Methylene chloride	0.51	1.0	0.51	1		U
Naphthalene	0.07	0.4	0.07	1		U
TCE	0.05	1.0	9.29	1		
Tetrachloroethene	0.06	1.4	30.09	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)	113	69-139	
4-Bromofluorobenzene(S)	112	75-125	
Dibromofluoromethane(S)	101	75-125	
Toluene-D8(S)	101	75-125	

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

Comments: ARF: 43264

See 2 RPD on page 045

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