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

February 28, 2005

U-219-05

Subject: Sampling of four Bexar Met Water Wells:
LS-2
LS-3
LS-4
HS-2.

Camp Stanley Storage Activity (CSSA) collected groundwater samples from the above wells during December 2004. 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 VOC 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 LS-2,			
12/14/04 (#106-WP2)	Tetrachloroethene (PCE)	1.64	5
	Trichloroethene (TCE)	0.43F	5
	cis-1,2-dichlorethene (DCE)	<0.07 (non-detect)	70
Well LS-3,			
12/14/04 (#106-WP1)	PCE	1.59F	5
	TCE	0.26F	5
	DCE	<0.07 (non-detect)	70
Well LS-4,			
12/14/04	PCE	0.18F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
Well HS-2,			
12/14/04	PCE	0.19F	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/or TCE were identified in water samples from wells LS-2 (prior to treatment), LS-3 (prior to treatment), LS-4, and HS-2. Results from the laboratory analysis are provided as an attachment for the events included in the summary tables above. Although these VOCs are not naturally occurring, they are below the MCL and as such, do not prevent usability of your well, as you are aware.

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 August 2004. Carbonair will exchange the carbon canister, if needed, and perform other routine maintenance operations at future scheduled visits. 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.

Toluene was also reported in the water samples from your well LS-3 (0.69F ppb). Toluene has been detected in on-post monitoring wells sporadically and no concentrations on-post have been above the MCL. Toluene is a groundwater contaminant associated with the widespread use of fuels and motor oils. No benzene, ethyl benzene, and/or xylene(s) contamination has been detected in your well. The low levels of toluene detected in your well are not currently believed to be associated with CSSA activities. The detected concentration of 0.69F ppb is well below the MCL for toluene of 1,000 ppb and does not affect usability of your well.

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. We will schedule a proposed sampling date and time and 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. 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. Tom Haberle, TCEQ Region 13
Ms. Abigail Power, TCEQ Region 13
Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.
Ms. Julie Burdey, Parsons
Ms. Kimberly Riley, Parsons

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 041222AS-82647
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: HS-2 Lab Sample ID: AP79934 Matrix: Water
% Solids: NA Initial Calibration ID: S041221
Date Received: 15-Dec-04 Date Prepared: 22-Dec-04 Date Analyzed: 22-Dec-04
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	0.19	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)	110	69-139	
4-Bromofluorobenzene(S)	103	75-125	
Dibromofluoromethane(S)	106	75-125	
Toluene-D8(S)	96.0	75-125	

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

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 041222AS-82647
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-2 Lab Sample ID: AP79938 Matrix: Water
% Solids: NA Initial Calibration ID: S041221
Date Received: 15-Dec-04 Date Prepared: 22-Dec-04 Date Analyzed: 22-Dec-04
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	0.43	1		F
Tetrachloroethene	0.06	1.4	1.64	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)	116	69-139	
4-Bromofluorobenzene(S)	107	75-125	
Dibromofluoromethane(S)	109	75-125	
Toluene-D8(S)	99.3	75-125	

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

Comments: ARF: 46171

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 041222AS-82647
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-3 Lab Sample ID: AP79939 Matrix: Water
% Solids: NA Initial Calibration ID: S041221
Date Received: 15-Dec-04 Date Prepared: 22-Dec-04 Date Analyzed: 22-Dec-04
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	0.26	1		F
Tetrachloroethene	0.06	1.4	1.59	1		
Toluene	0.06	1.1	0.69	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)	103	69-139	
4-Bromofluorobenzene(S)	104	75-125	
Dibromofluoromethane(S)	99.3	75-125	
Toluene-D8(S)	103	75-125	

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

Comments: ARF: 46171

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 041222AS-82647
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-4 Lab Sample ID: AP79940 Matrix: Water
% Solids: NA Initial Calibration ID: S041221
Date Received: 15-Dec-04 Date Prepared: 22-Dec-04 Date Analyzed: 22-Dec-04
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	0.18	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)	108	69-139	
4-Bromofluorobenzene(S)	110	75-125	
Dibromofluoromethane(S)	104	75-125	
Toluene-D8(S)	102	75-125	

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

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