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

August 26, 2005

U-295-05

Subject: Sampling of Bexar Metropolitan Water Wells:
LS-2
LS-3

LS-4
HS-2
HS-3

Camp Stanley Storage Activity (CSSA) collected groundwater samples from the above wells on 6/21/2005. 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			
6/21/05 (#106-WP2)	Tetrachloroethene (PCE)	1.81	5
	Trichloroethene (TCE)	0.16F	5
	cis-1,2-dichlorethene (DCE)	<0.07 (non-detect)	70
Well LS-3			
6/21/05 (#106-WP1)	PCE	1.44	5
	TCE	0.37F	5
	DCE	<0.07 (non-detect)	70
Well LS-4			
6/21/05	PCE	0.15F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
6/21/05 Duplicate	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.07 (non-detect)	70
Well HS-2			
6/21/05	PCE	0.16F	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.06 (non-detect)	70

Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well HS-3			
6/21/05	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	DCE	<0.06 (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 water samples from wells LS-2, LS-3 and 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.

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 your well listed above.

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 Vaughn, Parsons

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050705AN-88836
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-2 Lab Sample ID: AX22258 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
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	0.16	1		F
Tetrachloroethene	0.06	1.4	1.81	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)	101	69-139	
4-Bromofluorobenzene(S)	99.3	75-125	
Dibromofluoromethane(S)	96.4	75-125	
Toluene-D8(S)	98.5	75-125	

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

Comments: ARF: 47820

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050705AN-88836
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-3 Lab Sample ID: AX22259 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
1,1-DCE	0.12	1.2	0.12	1		U
Bromodichloromethane	0.06	0.8	0.19	1		F
Bromoform	0.13	1.2	0.13	1		U
Chloroform	0.06	0.3	0.23	1		F
Cis-1,2-DCE	0.07	1.2	0.07	1		U
Dibromochloromethane	0.06	0.5	0.18	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	0.37	1		F
Tetrachloroethene	0.06	1.4	1.44	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)	104	69-139	
4-Bromofluorobenzene(S)	98.1	75-125	
Dibromofluoromethane(S)	102	75-125	
Toluene-D8(S)	98.6	75-125	

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

Comments: ARF: 47820

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050705AN-88836
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-4 Lab Sample ID: AX22261 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
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	0.15	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)	102	69-139	
4-Bromofluorobenzene(S)	91.6	75-125	
Dibromofluoromethane(S)	107	75-125	
Toluene-D8(S)	90.6	75-125	

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

Comments: ARF: 47820

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 050705AN-88836
Lab Name: APPL, Inc Contract #: F41624-03-D-8613, TO 08
Field Sample ID: LS-4 DUP Lab Sample ID: AX22260 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
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)	106	69-139	
4-Bromofluorobenzene(S)	92.7	75-125	
Dibromofluoromethane(S)	108	75-125	
Toluene-D8(S)	86.0	75-125	

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

Comments: ARF: 47820

Field duplicate of LS-4. TC 7/19/05

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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: HS-2 Lab Sample ID: AX22252 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
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	0.16	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)	95.3	69-139	
4-Bromofluorobenzene(S)	97.4	75-125	
Dibromofluoromethane(S)	98.3	75-125	
Toluene-D8(S)	99.0	75-125	

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

Comments: ARF: 47820

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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: HS-3 Lab Sample ID: AX22253 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
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)	97.2	69-139	
4-Bromofluorobenzene(S)	98.6	75-125	
Dibromofluoromethane(S)	97.0	75-125	
Toluene-D8(S)	102	75-125	

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

Comments: ARF: 47820