



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

February 29, 2016

U-054-16

SUBJECT: Sampling of Water Wells: OW-HH1, Located at Hazy Hollow; OW-HH2, Located at Oak Thicket Ln; OW-HH3, Located at Deer View; OW-CE1 and OW-CE2, Located at Traciney Blvd.; OW-MT2, Located at Mountain Top; OW-BARNOWL, Located at Barn Owl; and OW-DAIRYWELL, Located at Echoing Oaks

[REDACTED]  
[REDACTED]  
[REDACTED]

San Antonio, TX 78255

Dear [REDACTED]

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your wells (OW-HH1, OW-HH2, OW-CE1, OW-CE2, OW-MT2, OW-BARNOWL, OW-DAIRYWELL, & OW-HH3) on 12/1/15. 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 OW-DAIRYWELL, located at Echoing Oaks			
12/1/15	Tetrachloroethene (PCE)	<0.06 (non detect)	5
	Trichloroethene (TCE)	<0.05 (non detect)	5
	cis-1,2-Dichloroethene (DCE)	0.20F	70
Well OW-DAIRYWELL, field duplicate			
12/1/15	Tetrachloroethene (PCE)	<0.06 (non detect)	5
	Trichloroethene (TCE)	<0.05 (non detect)	5
	cis-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, low levels of the VOC DCE was identified in the water sample from your well OW-DAIRYWELL however it was not present in the field duplicate sample that was collected at the same time. This level is below the applicable MCL and does not affect usability of your well. No VOCs related to CSSA's

groundwater investigation were identified in the water samples from your wells OW-HH1, OW-HH2, OW-HH3, OW-CE1, OW-CE2, OW-MT2, and OW-BARNOWL. Results from the laboratory analysis are provided as an attachment for this sampling event.

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.

Again, we would like to thank you for your cooperation. We 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 Felicia Kraitz, Environmental Program Manager, at (210) 295-7067.

Sincerely,

  
Jason D. Shirley  
Installation Manager

Enclosure

cc: Mr. Greg Lyssy, EPA Region 6  
Ms. Amanda Pirani, TCEQ Central Office  
Mr. Jorge Salazar, 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 #: 151208AT-203134  
Lab Name: APPL, Inc      Contract #: \*G012  
Field Sample ID: OW-DAIRYWELL      Lab Sample ID: AZ25743      Matrix: Water  
% Solids: NA      Initial Calibration ID: T151204  
Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.20	1		F
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	102	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.6	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.9	75-125	
SURROGATE: TOLUENE-D8 (S)	97.7	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 78072

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
 Lab Name: APPL, Inc      Contract #: \*G012  
 Field Sample ID: OW-DAIRYWELL FD      Lab Sample ID: AZ25744      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T151204  
 Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	105	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	100	75-125	
SURROGATE: DIBROMOFLUOROMETH	102	75-125	
SURROGATE: TOLUENE-D8 (S)	99.3	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
 Lab Name: APPL, Inc      Contract #: \*G012  
 Field Sample ID: OW-MT2      Lab Sample ID: AZ25745      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T151204  
 Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	102	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.9	75-125	
SURROGATE: DIBROMOFLUOROMETH	99.4	75-125	
SURROGATE: TOLUENE-D8 (S)	98.5	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
 Lab Name: APPL, Inc      Contract #: \*G012  
 Field Sample ID: OW-HH2      Lab Sample ID: AZ25746      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T151204  
 Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	101	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.2	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.7	75-125	
SURROGATE: TOLUENE-D8 (S)	97.3	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
Lab Name: APPL, Inc      Contract #: \*G012  
Field Sample ID: OW-HH3      Lab Sample ID: AZ25747      Matrix: Water  
% Solids: NA      Initial Calibration ID: T151204  
Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	100	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.0	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.8	75-125	
SURROGATE: TOLUENE-D8 (S)	98.0	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 78072

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
 Lab Name: APPL, Inc      Contract #: \*G012  
 Field Sample ID: OW-BARNOWL      Lab Sample ID: AZ25748      Matrix: Water  
 % Solids: NA      Initial Calibration ID: T151204  
 Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	103	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.3	75-125	
SURROGATE: DIBROMOFLUOROMETH	100	75-125	
SURROGATE: TOLUENE-D8 (S)	98.0	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
Lab Name: APPL, Inc      Contract #: \*G012  
Field Sample ID: OW-HH1      Lab Sample ID: AZ25749      Matrix: Water  
% Solids: NA      Initial Calibration ID: T151204  
Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	101	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	96.2	75-125	
SURROGATE: DIBROMOFLUOROMETH	99.9	75-125	
SURROGATE: TOLUENE-D8 (S)	95.9	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
Lab Name: APPL, Inc      Contract #: \*G012  
Field Sample ID: OW-CE1      Lab Sample ID: AZ25750      Matrix: Water  
% Solids: NA      Initial Calibration ID: T151204  
Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	101	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.1	75-125	
SURROGATE: DIBROMOFLUOROMETH	99.7	75-125	
SURROGATE: TOLUENE-D8 (S)	99.1	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 78072

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ORGANIC ANALYSES DATA SHEET 2  
RESULTS

Analytical Method: EPA 8260B      Preparatory Method: 5030B      AAB #: 151208AT-203134  
Lab Name: APPL, Inc      Contract #: \*G012  
Field Sample ID: OW-CE2      Lab Sample ID: AZ25751      Matrix: Water  
% Solids: NA      Initial Calibration ID: T151204  
Date Received: 03-Dec-15      Date Prepared: 08-Dec-15      Date Analyzed: 08-Dec-15  
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	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
SURROGATE: 1,2-DICHLOROETHANE-	101	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	101	75-125	
SURROGATE: DIBROMOFLUOROMETH	101	75-125	
SURROGATE: TOLUENE-D8 (S)	101	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 78072

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**Qualifiers for laboratory data report:**

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

F - Indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

**Abbreviations:**

MDL – method detection limit

RL – reporting limit

DCE – Dichloroethene

TCE – Trichloroethene