



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

May 31, 2022

U-012-22

SUBJECT: Sampling of Water Well RFR-10, Located at 25490 Old Fredericksburg Rd

[REDACTED]
[REDACTED]
Boerne, TX 78015
[REDACTED]:

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your well (RFR-10) on 3/8/22. 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 RFR-10, located at 25490 Old Fredericksburg Road			
3/8/22	Tetrachloroethene (PCE)	2.99	5
	Trichloroethene (TCE)	1.46	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	0.59J*	70

* The "J" qualifier indicates the analyte was positively identified; the quantitation is an estimation.

Based on the analytical data, levels of the VOCs PCE, TCE, and *cis*-1,2-DCE were identified in the water sample from your well before granular activated carbon (GAC) filtration. Results from the laboratory analysis are provided as an attachment for the above sampling event. The concentrations reported for the VOCs PCE and TCE were above the MCL in the past. Therefore, a filtration system was installed on your well.

Evoqua Water Technologies of Houston, Texas provides maintenance for the GAC filtration system on your well. 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 continue to be responsible for all costs associated with operation and maintenance of this system. CSSA will continue to send a

representative every three weeks to exchange the five-micron pre- and post-filters in the system.

Evoqua exchanged the first carbon canister and performed other routine maintenance on your system October 19, 2021. If you experience any problems with the system, please let the installer or CSSA know immediately. Evoqua is very responsive and can make additional maintenance visits if needed.

On 3/8/22, CSSA collected samples from your well RFR-10 after the water was processed through the granular activated carbon (GAC) filter system. These samples are representative of the water being delivered to you for daily use. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the samples after the second carbon canisters (A2 and B2). 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 on a 6-month basis to confirm the system remains effective.

Date Sample	VOC compound	Result (ppb)	MCL (ppb)
Well RFR-10-A2, located at 25490 Old Fredericksburg Road			
3/8/22	PCE	<0.20 (non-detect)	5
	TCE	<0.16 (non-detect)	5
	<i>cis-1,2-DCE</i>	<0.15 (non-detect)	70
Well RFR-10-B2, located at 25490 Old Fredericksburg Road			
3/8/22	PCE	<0.20 (non-detect)	5
	TCE	<0.16 (non-detect)	5
	<i>cis-1,2-DCE</i>	<0.15 (non-detect)	70
Well RFR-10-B2, field duplicate			
3/8/22	PCE	<0.20 (non-detect)	5
	TCE	<0.16 (non-detect)	5
	<i>cis-1,2-DCE</i>	<0.15 (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, your well is scheduled to be sampled again in June 2022.

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 Gabriel Moreno-Fergusson, Environmental Program Manager, at (210) 295-7067.

Sincerely,



T. Glenn Moore
Installation Manager

Enclosure

cc: Mr. Greg Lyssy, EPA Region 6
Mr. Timothy Brown, TCEQ Central Office
Mr. Jorge Salazar, TCEQ Region 13
Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.
Ms. Julie Burdey, Parsons

Client Sample Results

Client: Parsons Corporation
Project/Site: Camp Stanley Quarterly Sampling 2022

Job ID: 280-159712-1

Client Sample ID: RFR-10_030822_N0945

Lab Sample ID: 280-159712-8

Date Collected: 03/08/22 09:45

Matrix: Water

Date Received: 03/14/22 08:50

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.587	J	1.00	0.400	0.150	ug/L		03/20/22 12:29	1
Tetrachloroethene	2.99		1.00	0.400	0.200	ug/L		03/20/22 12:29	1
Trichloroethene	1.46		1.00	0.400	0.160	ug/L		03/20/22 12:29	1
Vinyl chloride	0.100	U	1.50	0.200	0.100	ug/L		03/20/22 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		81 - 118					03/20/22 12:29	1
4-Bromofluorobenzene (Surr)	97		85 - 114					03/20/22 12:29	1
Dibromofluoromethane (Surr)	100		80 - 119					03/20/22 12:29	1
Toluene-d8 (Surr)	99		89 - 112					03/20/22 12:29	1

Client Sample Results

Client: Parsons Corporation
Project/Site: Camp Stanley Quarterly Sampling 2022

Job ID: 280-159712-1

Client Sample ID: RFR-10-A2_030822_N0950

Lab Sample ID: 280-159712-9

Date Collected: 03/08/22 09:50

Matrix: Water

Date Received: 03/14/22 08:50

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.150	U	1.00	0.400	0.150	ug/L		03/20/22 12:51	1
Tetrachloroethene	0.200	U	1.00	0.400	0.200	ug/L		03/20/22 12:51	1
Trichloroethene	0.160	U	1.00	0.400	0.160	ug/L		03/20/22 12:51	1
Vinyl chloride	0.100	U	1.50	0.200	0.100	ug/L		03/20/22 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		81 - 118		03/20/22 12:51	1
4-Bromofluorobenzene (Surr)	96		85 - 114		03/20/22 12:51	1
Dibromofluoromethane (Surr)	103		80 - 119		03/20/22 12:51	1
Toluene-d8 (Surr)	100		89 - 112		03/20/22 12:51	1

Client Sample Results

Client: Parsons Corporation
Project/Site: Camp Stanley Quarterly Sampling 2022

Job ID: 280-159712-1

Client Sample ID: RFR-10-B2_030822_N0955

Lab Sample ID: 280-159712-10

Date Collected: 03/08/22 09:55

Matrix: Water

Date Received: 03/14/22 08:50

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.150	U	1.00	0.400	0.150	ug/L		03/20/22 13:12	1
Tetrachloroethene	0.200	U	1.00	0.400	0.200	ug/L		03/20/22 13:12	1
Trichloroethene	0.160	U	1.00	0.400	0.160	ug/L		03/20/22 13:12	1
Vinyl chloride	0.100	U	1.50	0.200	0.100	ug/L		03/20/22 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		81 - 118		03/20/22 13:12	1
4-Bromofluorobenzene (Surr)	98		85 - 114		03/20/22 13:12	1
Dibromofluoromethane (Surr)	102		80 - 119		03/20/22 13:12	1
Toluene-d8 (Surr)	100		89 - 112		03/20/22 13:12	1

Client Sample Results

Client: Parsons Corporation
Project/Site: Camp Stanley Quarterly Sampling 2022

Job ID: 280-159712-1

Client Sample ID: RFR-10-B2_030822_FDN0955

Lab Sample ID: 280-159712-11

Date Collected: 03/08/22 09:55

Matrix: Water

Date Received: 03/14/22 08:50

Method: 8260C DOD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.150	U	1.00	0.400	0.150	ug/L		03/20/22 13:34	1
Tetrachloroethene	0.200	U	1.00	0.400	0.200	ug/L		03/20/22 13:34	1
Trichloroethene	0.160	U	1.00	0.400	0.160	ug/L		03/20/22 13:34	1
Vinyl chloride	0.100	U	1.50	0.200	0.100	ug/L		03/20/22 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		81 - 118		03/20/22 13:34	1
4-Bromofluorobenzene (Surr)	96		85 - 114		03/20/22 13:34	1
Dibromofluoromethane (Surr)	102		80 - 119		03/20/22 13:34	1
Toluene-d8 (Surr)	99		89 - 112		03/20/22 13:34	1

Definitions/Glossary

Client: Parsons Corporation
Project/Site: Camp Stanley Quarterly Sampling 2021

Job ID: 280-156314-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count