DEPARTMENT OF THE ARMY
BADGER ARMY AMMUNITION PLANT
S7273 BLUFF ROAD
MERRIMAC, WISCONSIN 53561

October 4, 2017

SUBJECT: Submittal of August 2017 Annual Residential Well Testing Results
Badger Army Ammunition Plant

Mr. Jason Lowery
Wisconsin Department of Natural Resources
GEF2 Central Office
PO Box 7921
Madison, WI 53707-7921

Dear Mr. Lowery:

Enclosed is the Badger Army Ammunition Plant (BAAP) August 2017 Annual Residential Well Testing Results from 52 residential wells. The enclosed compact disc contains copies of the signed Environmental Monitoring Data Certification Form, a list of wells sampled, a map showing the well locations, residential well lab results summary spreadsheet, residential well lab results, and updated residential well owners' addresses. Per previous discussions, the Army understands that the WDNR will be mailing the results to each well owner.

SpecPro Professional Services, LLC (SPS) collected groundwater samples from 52 residential wells on August 23, 24, 28, and 29, 2017. The Raschein (424) well could not be sampled because their well pump was not working.

This annual sampling of residential wells followed the WDNR Plan Modification of the Groundwater Monitoring Program dated September 4, 2013. In accordance with the plan modification and subsequent WDNR revisions, WE-UK124 (432) will be sampled again during November 2017 and Purcell-D (163) will be sampled again during April 2018.

The analytical results for the enclosed residential wells showed no NR 140 Enforcement Standard (ES) exceedances. Dinitrotoluene (DNT) was detected above the Preventive Action Limit (PAL) but below the ES in three residential wells. Trichloroethene (TCE) was detected above the PAL but below the ES in three residential wells. Chloroform was detected above the PAL but below the ES in three residential wells.

Per the Army's letter dated July 31, 2017, all 16 residential wells located in the Water's Edge Subdivision and monitoring well SEN-0503B were sampled for volatile organic compounds (VOCs) during August 2017. Only chloroform was detected in SEN-0503B during August 2017. Chloroform was detected in 15 of the 16 residential wells located in the Water's Edge Subdivision. Toluene was detected in one residential well located in the Water's Edge Subdivision with a concentration of only 0.12 micrograms per liter. Based on the August 2017 sampling results, there appears to be no threat of petroleum compounds in the Water's Edge Subdivision. SEN-0503B will be sampled again for VOCs during November 2017 along with the other seven monitoring wells in the Water's Edge Subdivision.

All groundwater samples were analyzed by CT Laboratories, LLC (CT Lab) in Baraboo, Wisconsin. CT Lab is a WDNR Chapter NR 149 certified laboratory and accredited by the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP). SPS conducted an internal quality control review of the groundwater data and did not find any data quality issues.

Please do not hesitate to contact me at 608-434-5374 if you have any questions.

Sincerely,

Robert M. Sitton
Commander's Representative

Enclosure
Copy furn: Roger Walton, Contracting Officer's Representative

Badger Army Ammunition Plant

Spear
Purcell-G
Purcell-D
Gruber-D
Kopras
Wenger
Groth
Lukens
Osterland
Hendershot
Howery
Grosse
Brey
Olah
Gibbs
Anderson-R
Melum
Revers
Schumann
Roll
Zurbachen-A
Nowotarski
Curto
Reif
USDA 6
USDA 1
USDA 2
USDA 3
WE-RM383
WE-SQ017
WE-SQ001
WE-UA297
WE-XD828
WE-XK342
WE-QR441
WE-TM599
WE-TF023
WE-UK125
WE-RR542
WE-RR598
WE-UK124
WE-SQ002
WE-RD430
WE-QN039
Mittenzwei
Delaney
Apel
Krumenauer
Ramaker-J
Schlender
Judd
PDS-3
Wisconsin River

August 2017
Residential Wells Sampled

Sampled Well

N
W E
S

Map Scale 1:10,000

0 875 1,750 3,500 5,250 7,000 Feet

SPS
SPECPRO PROFESSIONAL SERVICES

Plot Date: 10/3/17

Residential Groundwater Test Results - August 2017 Sampling Event

August '17 Round	Level of Detection	Level of Quantitation
2,3-DNT	0.006	0.03
2,4-DNT	0.008	0.03
2,5-DNT	0.003	0.03
2,6-DNT	0.004	0.03
3,4-DNT	0.004	0.03
3,5-DNT	0.004	0.03

*Level of detection and level of quantitation may change each round.

= Under PAL and ES
= Over Preventive Action Limit (PAL)
= Over Enforcement Standard (ES)
= No PAL or ES established
= Not Tested
ND = Compound was not detected

All results are expressed as µg/l (micrograms per liter)

Last Name	Well No.	Well Name	Shared With	Analyzed By	Sample Date	Benzene	Toluene	Dichlorodifluoromethane	Trichlorofluoromethane	Chloroform	Carbon Tetrachloride	Trichloroethene	Ethyl Ether	1,1,1-Trichloroethane	1,1,2-Trichloroethane	2,6-Dinitrotoluene	2,4-Dinitrotoluene	2,3-Dinitrotoluene	3,4-Dinitrotoluene	2,5-Dinitrotoluene	3,5-Dinitrotoluene	Dinitrotoluene, Total
Anderson	411	Anderson-R		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apel	998	Apel		CT Lab	8/23/2017	ND	ND	ND	ND	0.17	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Brey	817	Brey		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Curto	412	Curto	*Nimmow*	CT Lab	8/28/2017	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delaney	152	Delaney		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gibbs	839	Gibbs		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Grosse	415	Grosse		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Groth	842	Groth		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gruber	417	Gruber-D		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hendershot	418	Hendershot		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				CT Lab (D)	8/28/2017	ND	ND	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Howery	419	Howery		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Judd	862	Judd		CT Lab	8/23/2017	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kopras	874	Kopras	*Miller*	CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Krumenauer	875	Krumenauer		CT Lab	8/23/2017	ND	ND	ND	ND	0.19	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lukens	860	Lukens		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Melum	423	Melum		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mittenzwei	800	Mittenzwei		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nowotarski	891	Nowotarski		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Olah	904	Olah		CT Lab	8/29/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				CT Lab (D)	8/29/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Osterland	422	Osterland		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Prairie du Sac Utilities	911	PDS-3		CT Lab	8/24/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Purcell	163	Purcell-D		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				CT Lab (D)	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Purcell	916	Purcell-G		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ramaker	917	Ramaker		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Raschein	424	Raschein				Pump not running; well not sampled																
Reif	427	Reif		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Revers	425	Revers		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Roll	426	Roll		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schlender	931	Schlender	*Koenig, Ballweg*	CT Lab	8/23/2017	ND	ND	ND	ND	0.48	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schumann	428	Schumann		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Spear	803	Spear		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	158	WE-QN039	*Hilgemann, Layton*	CT Lab	8/24/2017	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	157	WE-QR441	*Hemberger, Pattarozzi, Heath*	CT Lab	8/24/2017	ND	ND	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	159	WE-RD430	*Ford, Madden, Bastien/Eddy*	CT Lab	8/24/2017	ND	ND	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	153	WE-RM383	*Good, Rossing*	CT Lab	8/24/2017	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	164	WE-SQ017	*Thompson*	CT Lab	8/24/2017	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	165	WE-SQ001	*Rosenau, Schwarz*	CT Lab	8/24/2017	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	156	WE-RR542	*Cairnes, Sherpe*	CT Lab	8/24/2017	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	169	WE-RR598	*Hall, Chow, Hartmann, Wenger*	CT Lab	8/24/2017	ND	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	170	WE-SQ002	*Neumaier, Ramaker*	CT Lab	8/24/2017	ND	ND	ND	ND	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	174	WE-TF023	*Hilgemann*	CT Lab	8/24/2017	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Residential Groundwater Test Results - August 2017 Sampling Event

August '17 Round	Level of Detection	Level of Quantitation
2,3-DNT	0.006	0.03
2,4-DNT	0.008	0.03
2,5-DNT	0.003	0.03
2,6-DNT	0.004	0.03
3,4-DNT	0.004	0.03
3,5-DNT	0.004	0.03

*Level of detection and level of quantitation may change each round.

= Under PAL and ES
= Over Preventive Action Limit (PAL)
= Over Enforcement Standard (ES)
= No PAL or ES established
= Not Tested
ND = Compound was not detected

All results are expressed as µg/l (micrograms per liter)

Last Name	Well No.	Well Name	*Shared With*	Analyzed By	Sample Date	Benzene	Toluene	Dichlorodifluoromethane	Trichlorofluoromethane	Chloroform	Carbon Tetrachloride	Trichloroethene	Ethyl Ether	1,1,1-Trichloroethane	1,1,2-Trichloroethane	2,6-Dinitrotoluene	2,4-Dinitrotoluene	2,3-Dinitrotoluene	3,4-Dinitrotoluene	2,5-Dinitrotoluene	3,5-Dinitrotoluene	Dinitrotoluene, Total
Water's Edge Group	129	WE-TM599	*Riordan*	CT Lab	8/24/2017	ND	ND	ND	ND	**0.22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	431	WE-UK125	*Gust, Haag, Lochner*	CT Lab	8/24/2017	ND	**0.12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	432	WE-UK124	*Whalen*	CT Lab	8/24/2017	ND	ND	ND	ND	**0.23**	ND	ND	ND	ND	ND	**0.018**	ND	ND	ND	ND	ND	**0.018**
Water's Edge Group	433	WE-UA297	*Krisko*	CT Lab	8/24/2017	ND	ND	ND	ND	**0.29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water's Edge Group	434	WE-XD828	*Riethmiller*	CT Lab	8/24/2017	ND	ND	ND	ND	**0.24**	ND	ND	ND	ND	ND	**0.015**	ND	ND	ND	ND	ND	**0.015**
Water's Edge Group	435	WE-XK342	*Brandherm*	CT Lab	8/24/2017	ND	ND	ND	ND	**0.16**	ND	ND	ND	ND	ND	**0.015**	ND	ND	ND	ND	ND	**0.015**
				CT Lab (D)	8/24/2017	ND	ND	ND	ND	**0.17**	ND	ND	ND	ND	ND	**0.013**	ND	ND	ND	ND	ND	**0.013**
Wenger	414	Wenger		CT Lab	8/23/2017	ND	ND	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zurbachen	967	Zurbachen-A		CT Lab	8/28/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dairy Forage Res Ctr	828	USDA 1		CT Lab	8/29/2017											ND	ND	ND	ND	ND	ND	ND
Dairy Forage Res Ctr	829	USDA 2		CT Lab	8/28/2017											ND	ND	ND	ND	ND	ND	ND
Dairy Forage Res Ctr	126	USDA 3		CT Lab	8/28/2017											ND	ND	ND	ND	ND	ND	ND
Dairy Forage Res Ctr	128	USDA 6		CT Lab	8/29/2017											ND	ND	ND	ND	ND	ND	ND

(D) = Duplicate
CT Lab = CT Laboratories, LLC

Residential Well Sampling List
August 2017

Well Name	Well ID	Results	DNT Sampled	VOC Sampled	Comments
USDA 3	126	X	X		
USDA 6	128	X	X		
WE-TM599	129	X	X	X	Riordan, Water's Edge Group
Delaney	152	X	X	X	
WE-RM383	153	X	X	X	Good, Rossing, Water's Edge Group
WE-RR542	156	X	X	X	Cairnes, Sherpe, Water's Edge Group
WE-QR441	157	X	X	X	Pattarozzi, Heath, Hemberger, Water's Edge Group
WE-QN039	158	X	X	X	Layton, Hilgemann, Water's Edge Group
WE-RD430	159	X	X	X	Bastien/Eddy, Madden, Ford, Water's Edge Group
Purcell-D	163	X	X	X	**duplicate**
WE-SQ017	164	X	X	X	Thompson, Water's Edge Group
WE-SQ001	165	X	X	X	Schwarz, Rosenau, Water's Edge Group
WE-RR598	169	X	X	X	Hartmann, Chow, Hall, Wenger, Water's Edge Group
WE-SQ002	170	X	X	X	Ramaker, Neumaier, Water's Edge Group
WE-TF023	174	X	X	X	Hilgemann, Water's Edge Group
Anderson-R	411	X	X	X	
Curto	412	X	X	X	shared with Nimmow
Wenger	414	X	X	X	
Grosse	415	X	X	X	
Gruber-D	417	X	X	X	
Hendershot	418	X	X	X	**duplicate**
Howery	419	X	X	X	
Osterland	422	X	X	X	
Melum	423	X	X	X	
Raschein	424				pump not running; well not sampled
Revers	425	X	X	X	
Roll	426	X	X	X	(Cornelius is the new owner)
Reif	427	X	X	X	
Schumann	428	X	X	X	
WE-UK125	431	X	X	X	Gust/Laidlaw, Haag, Lochner, Water's Edge Group
WE-UK124	432	X	X	X	Whalen, Water's Edge Group
WE-UA297	433	X	X	X	Krisko, Water's Edge Group
WE-XD828	434	X	X	X	Riethmiller, Water's Edge Group
WE-XK342	435	X	X	X	**duplicate** Brandherm, Water's Edge Group
Mittenzwei	800	X	X	X	
Spear	803	X	X	X	
Brey	817	X	X	X	
USDA 1	828	X	X		
USDA 2	829	X	X		
Gibbs	839	X	X	X	
Groth	842	X	X	X	
Lukens	860	X	X	X	
Judd	862	X	X	X	
Kopras	874	X	X	X	shared with Miller
Krumenauer	875	X	X	X	
Nowotarski	891	X	X	X	
Olah	904	X	X	X	**duplicate**
PDS-3	911	X	X	X	
Purcell-G	916	X	X	X	
Ramaker-J	917	X	X	X	
Schlender	931	X	X	X	shared with Koenig, Ballweg
Zurbachen-A	967	X	X	X	
Apel	998	X	X	X	

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SpecPro Professional Services - Badger Army Ammunition Plant

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Joel Janssen Phone: (608) 438-1110

E-mail: Joel.Janssen@SpecProSvcs.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
BAAP - Off-Site Residential Wells	03497	157005530	8/23 - 8/29/17

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

August 2017

Type of Data Submitted (Check all that apply)

- ☐ Groundwater monitoring data from monitoring wells
- ☒ Groundwater monitoring data from private water supply wells
- ☐ Leachate monitoring data
- ☐ Gas monitoring data
- ☐ Air monitoring data
- ☐ Other (specify)

Notification attached?

- ☐ No. No groundwater standards or explosive gas limits were exceeded.
- ☒ Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- ☐ Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Joel Janssen	Project Manager	(608) 438-1110
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

Signature Joel Janssen Date 10/3/17

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

☐ **Found uploading problems on** _____ **Initials**

☐ **Notified contact of problems on** _____ **Uploaded data successfully on** _____

EDD format(s): ☐ **Diskette** ☐ **CD (initial submittal and follow-up)** ☐ **E-mail (follow-up only)** ☐ **Other**

Case Narrative
Groundwater Monitoring
License Number 3497
Off-Site Residential Wells
August 2017
Badger Army Ammunition Plant

Groundwater is currently being monitored by the facility because of past production activities. Fifty-two residential wells were sampled.

2,6-Dinitrotoluene (DNT) and total DNT exceeded the Preventive Action Limit (PAL) in WE-UK124 (432), WE-XD828 (434), and WE-XK342 (435).

Chloroform exceeded the PAL in WE-SQ017 (164), WE-SQ001 (165), and WE-TF023 (174).

Trichloroethene exceeded the PAL in Wenger (414), Gruber-D (417), and Hendershot (418).

Volatile organic compounds (VOCs) analysis was performed by CT Laboratories (CT Lab) using method EPA 8260C.

DNT analysis was also performed by CT Lab using method SW 8270D SIM. The following DNT isomers were reported: 2,3-DNT, 2,4-DNT, 2,5-DNT, 2,6-DNT, 3,4-DNT, and 3,5-DNT.

SpecPro Professional Services, LLC

Badger Army Ammunition Plant

GROUNDWATER MONITORING EXCEEDANCE REPORT

August 2017 Report Date: 10/3/2017

Parameter Name	Lic No.	Well No.	Well Name	Date	Dup	Result	Units	PAL	ES
Chloroform	3497	164	WE-SQ017	8/24/2017	1	1.7	ug/l	0.6	6
Chloroform	3497	165	WE-SQ001	8/24/2017	1	1.2	ug/l	0.6	6
Chloroform	3497	174	WE-TF023	8/24/2017	1	0.68	ug/l	0.6	6
Trichloroethene	3497	414	Wenger	8/23/2017	1	1.3	ug/l	0.5	5
Trichloroethene	3497	417	Gruber-D	8/23/2017	1	1.9	ug/l	0.5	5
Trichloroethene	3497	418	Hendershot	8/28/2017	1	0.71	ug/l	0.5	5
Trichloroethene	3497	418	Hendershot	8/28/2017	2	0.82	ug/l	0.5	5
2,6-Dinitrotoluene	3497	432	WE-UK124	8/24/2017	1	0.018	ug/l	0.005	0.05
Total Dinitrotoluenes	3497	432	WE-UK124	8/24/2017	1	0.018	ug/l	0.005	0.05
2,6-Dinitrotoluene	3497	434	WE-XD828	8/24/2017	1	0.015	ug/l	0.005	0.05
Total Dinitrotoluenes	3497	434	WE-XD828	8/24/2017	1	0.015	ug/l	0.005	0.05
2,6-Dinitrotoluene	3497	435	WE-XK342	8/24/2017	1	0.015	ug/l	0.005	0.05
2,6-Dinitrotoluene	3497	435	WE-XK342	8/24/2017	2	0.013	ug/l	0.005	0.05
Total Dinitrotoluenes	3497	435	WE-XK342	8/24/2017	1	0.015	ug/l	0.005	0.05
Total Dinitrotoluenes	3497	435	WE-XK342	8/24/2017	2	0.013	ug/l	0.005	0.05

SpecPro Professional Services, LLC

Badger Army Ammunition Plant

August 2017 GROUNDWATER MONITORING ALL HITS REPORT

License No: 3497 Report Date: 10/3/2017

Parameter Name	Well	Well Name	Date	Dup	Result	LOD	LOQ	Units	PAL	ES
Chloroform	129	WE-TM599	8/24/2017	1	0.22	0.1	0.2	ug/l	0.6	6
Ethyl ether	152	Delaney	8/23/2017	1	0.17	0.1	0.2	ug/l	100	1000
Chloroform	153	WE-RM383	8/24/2017	1	0.2	0.1	0.2	ug/l	0.6	6
Chloroform	156	WE-RR542	8/24/2017	1	0.21	0.1	0.2	ug/l	0.6	6
Chloroform	157	WE-QR441	8/24/2017	1	0.34	0.1	0.2	ug/l	0.6	6
Chloroform	158	WE-QN039	8/24/2017	1	0.29	0.1	0.2	ug/l	0.6	6
Chloroform	159	WE-RD430	8/24/2017	1	0.14	0.1	0.2	ug/l	0.6	6
Chloroform	164	WE-SQ017	8/24/2017	1	1.7	0.1	0.2	ug/l	0.6	6
Chloroform	165	WE-SQ001	8/24/2017	1	1.2	0.1	0.2	ug/l	0.6	6
Chloroform	169	WE-RR598	8/24/2017	1	0.38	0.1	0.2	ug/l	0.6	6
Chloroform	170	WE-SQ002	8/24/2017	1	0.33	0.1	0.2	ug/l	0.6	6
Chloroform	174	WE-TF023	8/24/2017	1	0.68	0.1	0.2	ug/l	0.6	6
Trichloroethene	411	Anderson-R	8/23/2017	1	0.23	0.1	0.2	ug/l	0.5	5
Dichlorodifluoromethane	412	Curto	8/28/2017	1	0.13	0.1	0.2	ug/l	200	1000
Trichloroethene	414	Wenger	8/23/2017	1	1.3	0.1	0.2	ug/l	0.5	5
Trichloroethene	417	Gruber-D	8/23/2017	1	1.9	0.1	0.2	ug/l	0.5	5
Trichloroethene	418	Hendershot	8/28/2017	2	0.82	0.1	0.2	ug/l	0.5	5
Trichloroethene	418	Hendershot	8/28/2017	1	0.71	0.1	0.2	ug/l	0.5	5
Toluene	431	WE-UK125	8/24/2017	1	0.12	0.1	0.2	ug/l	160	800
2,6-Dinitrotoluene	432	WE-UK124	8/24/2017	1	0.018	0.004	0.03	ug/l	0.005	0.05
Chloroform	432	WE-UK124	8/24/2017	1	0.23	0.1	0.2	ug/l	0.6	6
Total Dinitrotoluenes	432	WE-UK124	8/24/2017	1	0.018	0.0081	0.03	ug/l	0.005	0.05
Chloroform	433	WE-UA297	8/24/2017	1	0.29	0.1	0.2	ug/l	0.6	6
2,6-Dinitrotoluene	434	WE-XD828	8/24/2017	1	0.015	0.004	0.03	ug/l	0.005	0.05
Chloroform	434	WE-XD828	8/24/2017	1	0.24	0.1	0.2	ug/l	0.6	6
Total Dinitrotoluenes	434	WE-XD828	8/24/2017	1	0.015	0.0081	0.03	ug/l	0.005	0.05
2,6-Dinitrotoluene	435	WE-XK342	8/24/2017	2	0.013	0.004	0.03	ug/l	0.005	0.05
2,6-Dinitrotoluene	435	WE-XK342	8/24/2017	1	0.015	0.0041	0.031	ug/l	0.005	0.05
Chloroform	435	WE-XK342	8/24/2017	2	0.17	0.1	0.2	ug/l	0.6	6
Chloroform	435	WE-XK342	8/24/2017	1	0.16	0.1	0.2	ug/l	0.6	6
Total Dinitrotoluenes	435	WE-XK342	8/24/2017	1	0.015	0.0082	0.031	ug/l	0.005	0.05
Total Dinitrotoluenes	435	WE-XK342	8/24/2017	2	0.013	0.008	0.03	ug/l	0.005	0.05
1,1,2-Trichloroethane	803	Spear	8/23/2017	1	0.17	0.1	0.2	ug/l	0.5	5
Chloroform	862	Judd	8/23/2017	1	0.2	0.1	0.2	ug/l	0.6	6
Carbon tetrachloride	875	Krumenauer	8/23/2017	1	0.11	0.1	0.2	ug/l	0.5	5
Chloroform	875	Krumenauer	8/23/2017	1	0.19	0.1	0.2	ug/l	0.6	6
Carbon tetrachloride	931	Schlender	8/23/2017	1	0.27	0.1	0.2	ug/l	0.5	5
Chloroform	931	Schlender	8/23/2017	1	0.48	0.1	0.2	ug/l	0.6	6
Carbon tetrachloride	998	Apel	8/23/2017	1	0.12	0.1	0.2	ug/l	0.5	5
Chloroform	998	Apel	8/23/2017	1	0.17	0.1	0.2	ug/l	0.6	6

CT Laboratories, LLC
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Laboratory Results
August 2017

Well Code: 126
Well Name: USDA 3

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/12/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.
J Parameter was detected above the reported level of detection but below the level of quantitation.
U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 128
Well Name: USDA 6

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.
J Parameter was detected above the reported level of detection but below the level of quantitation.
U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 129
Well Name: WE-TM599

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.22	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

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Well Code: 129
Well Name: WE-TM599

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM

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Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 129
Well Name: WE-TM599

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 152
Well Name: Delaney

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
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Well Code: 152
Well Name: Delaney

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	0.17	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0065	U	ug/l	0.0065	0.032	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0086	U	ug/l	0.0086	0.032	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0032	U	ug/l	0.0032	0.032	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0043	U	ug/l	0.0043	0.032	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0043	U	ug/l	0.0043	0.032	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0043	U	ug/l	0.0043	0.032	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0086	U	ug/l	0.0086	0.032	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 152
Well Name: Delaney

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 153
Well Name: WE-RM383

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroform	0.2	=	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 153
Well Name: WE-RM383

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
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Well Code: 153
Well Name: WE-RM383

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 156
Well Name: WE-RR542

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.21	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 156
Well Name: WE-RR542

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 156
Well Name: WE-RR542

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 157
Well Name: WE-QR441

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.34	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 157
Well Name: WE-QR441

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 157
Well Name: WE-QR441

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 158
Well Name: WE-QN039

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.29	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 158
Well Name: WE-QN039

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0063	U	ug/l	0.0063	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0083	U	ug/l	0.0083	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0083	U	ug/l	0.0083	0.031	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 158
Well Name: WE-QN039

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 159
Well Name: WE-RD430

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.14	J	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 159
Well Name: WE-RD430

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM

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Well Code: 159
Well Name: WE-RD430

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 163
Well Name: Purcell-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

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Well Code: 163
Well Name: Purcell-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 163
Well Name: Purcell-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 163
Well Name: Purcell-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.

J Parameter was detected above the reported level of detection but below the level of quantitation.

U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 163
Well Name: Purcell-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 164
Well Name: WE-SQ017

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	1.7	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 164
Well Name: WE-SQ017

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 164
Well Name: WE-SQ017

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 165
Well Name: WE-SQ001

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	1.2	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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Well Code: 165
Well Name: WE-SQ001

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM

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Well Code: 165
Well Name: WE-SQ001

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 169
Well Name: WE-RR598

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.38	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 169
Well Name: WE-RR598

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
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Well Code: 169
Well Name: WE-RR598

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 170
Well Name: WE-SQ002

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.33	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 170
Well Name: WE-SQ002

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 170
Well Name: WE-SQ002

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 174
Well Name: WE-TF023

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.68	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 174
Well Name: WE-TF023

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 174
Well Name: WE-TF023

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 411
Well Name: Anderson-R

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 411
Well Name: Anderson-R

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	0.23	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 411
Well Name: Anderson-R

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 412
Well Name: Curto

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 412
Well Name: Curto

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	0.13	J	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 412
Well Name: Curto

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 414
Well Name: Wenger

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 414
Well Name: Wenger

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	1.3	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 414
Well Name: Wenger

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 415
Well Name: Grosse

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/31/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 415
Well Name: Grosse

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/31/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/31/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/12/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 415
Well Name: Grosse

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
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Well Code: 417
Well Name: Gruber-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 417
Well Name: Gruber-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	1.9	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 417
Well Name: Gruber-D

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 418
Well Name: Hendershot

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

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1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

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cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

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tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	0.71	=	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	0.82	=	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.

J Parameter was detected above the reported level of detection but below the level of quantitation.

U Parameter was not detected above the reported level of detection.

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Well Name: Howery

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
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Well Code: 419
Well Name: Howery

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM

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Well Code: 419
Well Name: Howery

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 422
Well Name: Osterland

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

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Well Code: 422
Well Name: Osterland

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM

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Well Code: 422
Well Name: Osterland

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 423
Well Name: Melum

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 423
Well Name: Melum

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 423
Well Name: Melum

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 425
Well Name: Revers

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 425
Well Name: Revers

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 425
Well Name: Revers

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 426
Well Name: Roll

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 426
Well Name: Roll

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0063	U	ug/l	0.0063	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0083	U	ug/l	0.0083	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0083	U	ug/l	0.0083	0.031	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 426
Well Name: Roll

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 427
Well Name: Reif

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

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Well Code: 427
Well Name: Reif

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 427
Well Name: Reif

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 428
Well Name: Schumann

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 428
Well Name: Schumann

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 428
Well Name: Schumann

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
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Well Code: 431
Well Name: WE-UK125

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 431
Well Name: WE-UK125

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Toluene	0.12	J	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
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Well Code: 431
Well Name: WE-UK125

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 432
Well Name: WE-UK124

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.23	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 432
Well Name: WE-UK124

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	0.018	J	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	0.018	J	ug/l	0.0081	0.03	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
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Well Code: 432
Well Name: WE-UK124

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 433
Well Name: WE-UA297

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.29	=	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 433
Well Name: WE-UA297

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 433
Well Name: WE-UA297

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 434
Well Name: WE-XD828

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloroform	0.24	=	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 434
Well Name: WE-XD828

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	0.015	J	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	0.015	J	ug/l	0.0081	0.03	8/24/2017	9/6/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 434
Well Name: WE-XD828

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 435
Well Name: WE-XK342

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 435
Well Name: WE-XK342

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.17	J	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	0.16	J	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

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Well Code: 435
Well Name: WE-XK342

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

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Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	0.015	J	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
2,6-Dinitrotoluene	0.013	J	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/24/2017	9/6/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	0.013	J	ug/l	0.008	0.03	8/24/2017	9/6/2017	SW8270DSIM
Total Dinitrotoluenes	0.015	J	ug/l	0.0082	0.031	8/24/2017	9/6/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.

J Parameter was detected above the reported level of detection but below the level of quantitation.

U Parameter was not detected above the reported level of detection.

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Well Code: 435
Well Name: WE-XK342

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 800
Well Name: Mittenzwei

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
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August 2017

Well Code: 800
Well Name: Mittenzwei

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 800
Well Name: Mittenzwei

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 803
Well Name: Spear

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	0.17	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 803
Well Name: Spear

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 803
Well Name: Spear

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 817
Well Name: Brey

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/31/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 817
Well Name: Brey

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/31/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/31/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/31/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/31/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 817
Well Name: Brey

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 828
Well Name: USDA 1

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/29/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/29/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/29/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/29/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/29/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/29/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/29/2017	9/11/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.
J Parameter was detected above the reported level of detection but below the level of quantitation.
U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 829
Well Name: USDA 2

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/12/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.
J Parameter was detected above the reported level of detection but below the level of quantitation.
U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 839
Well Name: Gibbs

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 839
Well Name: Gibbs

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 839
Well Name: Gibbs

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 842
Well Name: Groth

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 842
Well Name: Groth

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 842
Well Name: Groth

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 860
Well Name: Lukens

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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Well Code: 860
Well Name: Lukens

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/12/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/12/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/28/2017	9/12/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 860
Well Name: Lukens

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 862
Well Name: Judd

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	0.2	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 862
Well Name: Judd

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 862
Well Name: Judd

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 874
Well Name: Kopras

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 874
Well Name: Kopras

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 874
Well Name: Kopras

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 875
Well Name: Krumenauer

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	0.11	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	0.19	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 875
Well Name: Krumenauer

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
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August 2017

Well Code: 875
Well Name: Krumenauer

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 891
Well Name: Nowotarski

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
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Well Code: 891
Well Name: Nowotarski

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0063	U	ug/l	0.0063	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0083	U	ug/l	0.0083	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0042	U	ug/l	0.0042	0.031	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0083	U	ug/l	0.0083	0.031	8/28/2017	9/11/2017	SW8270DSIM

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Well Code: 891
Well Name: Nowotarski

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

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Well Code: 904
Well Name: Olah

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C

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Well Code: 904
Well Name: Olah

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/29/2017	8/31/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/29/2017	8/31/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C

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Well Code: 904
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Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/29/2017	8/31/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/29/2017	8/31/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/29/2017	8/31/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/29/2017	8/31/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C

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Well Code: 904
Well Name: Olah

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/29/2017	8/31/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/29/2017	8/31/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/29/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/29/2017	9/11/2017	SW8270DSIM

Qualifier Definitions:

= Parameter was detected at the indicated concentration.

J Parameter was detected above the reported level of detection but below the level of quantitation.

U Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 904
Well Name: Olah

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 911
Well Name: PDS-3

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 911
Well Name: PDS-3

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/24/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/24/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/24/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/24/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/24/2017	9/7/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/24/2017	9/7/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/24/2017	9/7/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 911
Well Name: PDS-3

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 916
Well Name: Purcell-G

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 916
Well Name: Purcell-G

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0062	U	ug/l	0.0062	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.0031	U	ug/l	0.0031	0.031	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.0041	U	ug/l	0.0041	0.031	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0082	U	ug/l	0.0082	0.031	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 916
Well Name: Purcell-G

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 917
Well Name: Ramaker-J

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 917
Well Name: Ramaker-J

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.0061	U	ug/l	0.0061	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.0081	U	ug/l	0.0081	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
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August 2017

Well Code: 917
Well Name: Ramaker-J

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 931
Well Name: Schlender

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	0.27	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	0.48	=	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 931
Well Name: Schlender

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 931
Well Name: Schlender

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 967
Well Name: Zurbachen-A

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Carbon tetrachloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloroform	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 967
Well Name: Zurbachen-A

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/28/2017	8/30/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/28/2017	8/30/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/28/2017	8/30/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/28/2017	8/30/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/28/2017	9/11/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/28/2017	9/11/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/28/2017	9/11/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 967
Well Name: Zurbachen-A

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 998
Well Name: Apel

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,1-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2,2-Tetrachloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1,2-Trichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,1-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,3-Trichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2,4-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromo-3-chloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dibromoethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3,5-Trimethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,3-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
1,4-Dichlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2,2-Dichloropropane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Butanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
2-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
2-Hexanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
4-Chlorotoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
4-Methyl-2-pentanone	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Benzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromodichloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromoform	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Bromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Carbon disulfide	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Carbon tetrachloride	0.12	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chlorobenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloroform	0.17	J	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Chloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 998
Well Name: Apel

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method
cis-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
cis-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromochloromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dibromomethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorodifluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Diisopropyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Ethylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Hexachlorobutadiene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Isopropylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
m & p-Xylene	< 0.2	U	ug/l	0.2	0.4	8/23/2017	8/29/2017	SW8260C
Methyl tert-butyl ether	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Methylene chloride	< 0.2	U	ug/l	0.2	1	8/23/2017	8/29/2017	SW8260C
Naphthalene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
n-Propylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
o-Xylene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
p-Isopropyltoluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
sec-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Styrene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
tert-Butylbenzene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrachloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Tetrahydrofuran	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Toluene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,2-Dichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
trans-1,3-Dichloropropene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichloroethene	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Trichlorofluoromethane	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Vinyl acetate	< 1	U	ug/l	1	2	8/23/2017	8/29/2017	SW8260C
Vinyl chloride	< 0.1	U	ug/l	0.1	0.2	8/23/2017	8/29/2017	SW8260C
Dinitrotoluenes SIM								
2,3-Dinitrotoluene	< 0.006	U	ug/l	0.006	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,4-Dinitrotoluene	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,5-Dinitrotoluene	< 0.003	U	ug/l	0.003	0.03	8/23/2017	9/5/2017	SW8270DSIM
2,6-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,4-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
3,5-Dinitrotoluene	< 0.004	U	ug/l	0.004	0.03	8/23/2017	9/5/2017	SW8270DSIM
Total Dinitrotoluenes	< 0.008	U	ug/l	0.008	0.03	8/23/2017	9/5/2017	SW8270DSIM

CT Laboratories, LLC
Badger Army Ammunition Plant
Laboratory Results
August 2017

Well Code: 998
Well Name: Apel

Parameter	Result	Qualifier	Unit	LOD	LOQ	Date Collected	Date Analyzed	Method

Qualifier Definitions:

=	Parameter was detected at the indicated concentration.
J	Parameter was detected above the reported level of detection but below the level of quantitation.
U	Parameter was not detected above the reported level of detection.