State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf

Section GI - General Site Information

A. General Information

1. Site name

Former Sta-Rite Industries, Deerfield

2. Reporting period from:	To:	Days in period:
01/01/2020	12/31/2020	365

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-13-001621

5. Site location

Region	County	Address
South Central Region	Dane	38 West Nelson Street, Deerfield, WI

Municipality name ◯ City ◯ Town ⊗ Village	Township	Range ◉E ◯W	Section	¼	¼ ¼
Village of Deerfield	07 N	12	21	SW	SW

6. Responsible party	7. Consultant
Name: Maxwell Geyer	☐ Select if the following information has changed since the last submittal
Mailing address: 293 Wright Street, Delavan, WI 53115	Company name: Tetra Tech, Inc.
Phone number: (262) 274-4864	Mailing address: 175 N. Corporate Drive, Suite 100, Brookfield, WI 53045
	Phone number: (262) 207-3458

8. Contaminants

Trichloroethene (TCE), 1,1,1-Trichloroethane (TCA), 1,1,2-Trichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,1-Dichloroethane, Tetrachloroethene, Methylene Chloride, Vinyl Chloride

9. Soil types (USCS or USDA)

SM/SC

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
0.00046	10.8

12. If soil is treated ex situ, is the treatment location off site? ◯ Yes ◯ No

If yes, give location: Region	County					
Municipality name ◯ City ◯ Town ◯ Village	Township N	Range ◯E ◯W	Section	¼	¼ ¼

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- ☒ Groundwater extraction (submit a completed Section GW-1).
- ☐ Free product recovery (submit a completed Section GW-1).
- ☐ In situ air sparging (submit a completed Section GW-2).
- ☐ Groundwater natural attenuation (submit a completed Section GW-3).
- ☐ Other groundwater remediation method (submit a completed Section GW-4).
- ☐ Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- ☐ Soil natural attenuation (submit a completed Section IS-2).
- ☐ Other in situ soil remediation method (submit a completed Section IS-3).
- ☐ Biopiles (submit a completed Section ES-1).
- ☐ Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- ☐ Other ex situ remediation method (submit a completed Section ES-3).
- ☐ Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attentuation), complete this subsection.

1. Is the system operating at design rates and specifications? ◉ Yes ◯ No
   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness ◯ Yes ◉ No
   If yes, explain:

3. Is natural attenuation an effective low cost option at this time? ◯ Yes ◉ No
4. Is closure sampling warranted at this time? ◯ Yes ◉ No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? ◯ Yes ◉ No
   If yes, explain:

D. Economic and Cost Data to Date

1. Total investigation cost: $32,000.00
2. Implementation costs (design, capital and installation costs, excluding investigation costs: $195,314.00
3. Total costs during the previous reporting period: $24,500.00
4. Total costs during this reporting period: $54,390.00
5. Total anticipated costs for the next reporting period: $33,600.00
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? ◉ Yes ◯ No

If yes, explain:
The building housing the groundwater treatment system was moved to accommodate the expansion of the Truckstar Collision Center building on the property.

7. If closure is anticipated within 12 months, estimated costs for project closeout:

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	**Date**

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Mark A. Manthey	Associate Hydrogeologist
Signature 	**Date** 3/2/2021

Scientists:

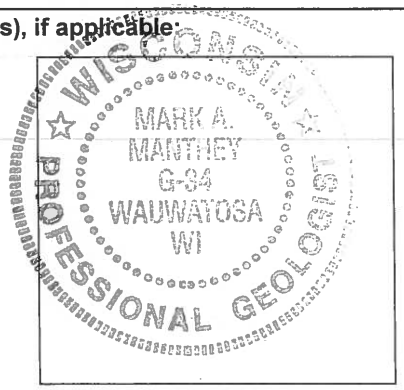
I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	**Date**

Other Persons:

Print name	Title
Signature	**Date**

Professional Seal(s), if applicable:



Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 1 and the number in use during period: 1
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
   298.6
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
   81.8%
4. Quantity of groundwater extracted during this time period: 7,040,782 gallons
5. Average groundwater extraction rate: 13.4 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: 10.64 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? ◯ Yes ◉ No
   If yes, explain:
2. Quantity of free product extracted during this time period (enter none if none): _____ gallons
3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? ◯ Yes ◉ No
   If no, explain:
   The system was designed to address the contaminant plume on the source area property in accordance with the Settlement Agreement and Release between the Village of Deerfield, Wisconsin and Sta-Rite Industries, Inc. dated November 30, 1998.
2. If free product is present, is the free product fully contained in capture zone? ◯ Yes ◯ No
   If no, explain:
3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:
4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.
   a. Contaminant: Trichloroethene (TCE)
   b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.9 %
   c. Maximum contaminant concentration level in any monitoring well of that contaminant: 880 µg/L
   d. Maximum contaminant concentration level in any extraction well of that contaminant: 200 µg/L

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

The screened interval of the extraction well is 100 feet and therefore draws groundwater from less impacted zones of the aquifer than is represented by the sample results of monitoring well MW-17D, which has a 10-foot screen.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
  - -- Graph of contaminant concentrations versus time for each extraction well in use during the period.
  - -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Section INS- 1, Section by Section Instructions and Information

Specific Section by Section Instructions for This Form. The site name and reporting period is listed on every page. Then if the pages are inadvertently separated, that information can be used to determine which pages form the report.

General Site Information

-- A.1. List the name as it appears on the DNR tracking system. If the person filling out the form does not know what the name on the tracking system is, use the name that the DNR used in the most recent correspondence.

-- A.2. The reporting period should be either from January 1 to June 30 or July 1 to December 31 for active systems. For passive systems, use a calendar year basis. If however the report covers a newly installed system, list the actual startup date instead of January 1 or July 1. For new passive systems, use the first date that monitoring data is available as the date of startup.

-- A.3. Enter all regulatory agencies that regulate the site.

-- A.4. This form is a DNR form. For that reason, list the DNR site number. If there are other agencies regulating the site, listing identification numbers for other agencies is also recommended, but not mandatory, unless specified by those other agencies.

-- A.5. If the information listed for the site location is not sufficient information for a person to use to drive to a site (example: no street address in a rural area), also include a map that is sufficient for a person to use to drive to the site. A U.S. G.S. topographic map that shows the site location may be used.

-- A.8. List the contaminants that have at one time exceeded the PALs or Table Values in ch. NR 720. If GRO and/or DRO exceed the ch. NR 720 standards, also list GRO and/or DRO. Do not list other contaminants that have never exceeded state standards at the site. If more room is necessary, write "SEE ATTACHED SHEETS" and list all contaminants on a separate sheet.

-- A.9. List the predominant soil types that are contaminated. If there is both contaminated soil and groundwater at the site, list soil types both above and below the water table. If only some soil is contaminated, do not list the soil types that are uncontaminated. If the site soils meet soil cleanup criteria, but groundwater is contaminated, so state that. Specify if the USCS or USDA system is used for soil descriptions. This line specifies soil because the vast majority of contaminated sites do not have contaminated bedrock. If bedrock is contaminated, also list that bedrock type.

-- A.10. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, list the estimated hydraulic conductivity and the method used to estimate it (bail-down tests, calculations based on grain size, pumping test, etc.) If the hydraulic conductivity has not been determined, state when the tests are to be conducted. When a number of test results are available, list the range of results and the geometric mean. If however some results have a low level of accuracy and some results have a high level of accuracy, you should only list the most accurate results. See the Section on aquifer testing in the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for more information.

-- A.11. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, enter groundwater average linear velocity as a function of hydraulic conductivity, effective porosity and the groundwater gradient. You should use the geometric mean from A.11. (above) and the most representative value for the gradient at the site. Estimate the effective porosity based on soil types and geologic origin of the soil. If there are reasons to believe that the average liner velocity estimate is less than the actual rate at the site, so state that reason. Secondary porosity effects, flow through submerged utility trenches, widespread contaminant distribution in low permeability soils, etc., are reasons to assume that the actual migration rate is much greater than the predicted average linear velocity. In such cases, you should explain the reasoning for doubting the predicted average linear velocity.

-- A.12. If the information listed for the soil treatment location is not sufficient information for a person to use to drive to a site, also include a map that is sufficient for a person to use to drive to the site. A U.S.G.S. topographic map or a plat map that shows the site location may be used.

-- B. Check all methods used at a site. For example, if groundwater extraction, free product recovery and soil venting are used, check all three methods and submit the additional pages for those methods. If dual-phase or bioslurping are used, these methods extract both air and groundwater, check boxes for and attach additional pages for both soil venting and pump and treat.

-- C. Remediation systems that use any form of enhancement are considered "active" and sites where there are no enhancements of any kind are considered "passive" forms of remediation. For purposes of these forms, natural attenuation (also called naturally occurring bioremediation) is "passive" and all other remediation methods are "active" methods.

-- C.1. Design flow rates refers to flow rates such as gallons per minute extracted by a ground water extraction system, standard cubic feet per minute extracted by a soil venting system, standard cubic feet per minute injected by an in situ air sparging system, etc. If the actual flow rate is within 80 percent of the rate predicted in the design, consider that as meeting the design specification.

-- D. The cost data in this section is used by DNR staff to evaluate whether or not the selected remedy is the most cost effective remedy and whether or not system modifications may be warranted to improve efficiency and/or cost effectiveness. Responsible parties and consultants are encouraged to submit cost information so that DNR staff may assist responsible parties and consultants accomplish environmental cleanups in the most cost effective manner.

Total costs for past costs are all costs to date. This information is for all costs that were incurred to investigate and/or remediate the site. These costs include but are not limited to: consulting labor and supplies, laboratory testing, transportation, equipment, etc. If the consultant does not pass all costs through the consulting firm, the consultant will need to contact their client for other non-consulting costs to determine total costs. Exceptions include costs for attorney fees, accounting, claim assistance in preparing claims to state reimbursement funds, or other indirect expenses that are not essential to remediating the site.

-- D.2. The initial implementation costs are all costs that are incurred to start implementing a remedy at a site. Costs for the investigation however are excluded because those costs are incurred prior to remedy selection. Since costs for treatability and/or pilot testing are used to procure data for remedial design and are specific to different remediation methods, these costs should be included in implementation costs and not investigation costs. Startup or shakedown costs are also considered implementation costs and should not be considered operation and maintenance costs.

-- D.3. Costs for implementation or investigation should not be repeated here or they will be double counted.

-- D.4. Costs for implementation or investigation should not be repeated here or they will be double counted.

-- D.5. Costs for implementation or investigation should not be repeated here or they will be double counted.

-- D.6. Examples of one-time or unusual costs include the following:
- Replacing a burned out motor on a pump.
- Replacement of a well that was destroyed by a snowplow.
- Confirmation sampling to determine if the site meets closeout criteria. This type of cost is considered an unusual cost because this type of sampling is not conducted during most reporting periods.

-- D.7. This estimate of costs is for all costs to close out a site minus the salvage value of any remediation equipment. Pertinent costs include items such as well abandonment, equipment removal from the site, consulting costs associated with these items, etc. Do not include any costs that will not be paid by a state reimbursement fund, such as repaving.

Section GW-1, Groundwater Extraction and Product Recovery

-- A.1. List two numbers, the total number of extraction wells at the site and the number that were in actual use during the period. If all wells were in use, state that on the form.

-- A.2. The number of days of operation are the number of days that the system was actually operated. If the system was shut down for reasons such as: repairs were necessary, piping froze, shut down to provide time for subsurface conditions to equilibrate before sampling, etc., do not list those days as being in operation.

-- A.3. System utilization is a measure of the amount of time that the system operated relative to the amount of time that it could have operated.

-- A.5. The average is for the entire site, not per well or trench. For purposes of determining the average ground water extraction rate, calculate the average based on the total volume of groundwater extracted divided by the time of the reporting period. For example, if the system operated at 10 gallons per minute for one month, the amount of water extracted would be approximately 432,000 gallons. If the reporting period was six months long, then the time period is approximately 260,000 minutes. Therefore, the average flow rate over six months is 432,000 divided by 260,000 minutes for an average flow rate of 1.67 gallons per minute (gpm).

-- A.6. Calculate the total dissolved contaminants removed in pounds. If the estimate is a sum of BTEX and not based on a total hydrocarbon test (GRO and/or DRO), so state that on the form.

-- B.3. The average should be based on the entire site over the entire reporting period. See instructions above for A.5. List the free product recovery rate as gallons per day (gpd), not gallons per minute (gpm).

-- C.1. To answer this question, a thorough evaluation of water levels and chemical analyses in all monitoring points at the site is necessary.

-- C.2. If the capture zone has not been determined mathematically, it will need to be determined to answer this question. See the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for and any recent update or errata sheets for more information on plume capture.

-- C.4. When free product is present, line C.4.a. should state "FREE PRODUCT" and lines C.4.b. through C.4.d. are left blank. Otherwise, complete the following calculations.
There typically are several compounds at most contaminated sites that exceed the standards in ch. NR 140. The purpose of this question is to focus on the single contaminant that requires the most treatment to achieve groundwater quality standards on a percent reduction basis. For example, the most recent round of sampling at an example site demonstrated the highest levels of contaminants were 1,000 µg/L benzene and 1,000 µg/L toluene in the most heavily contaminated monitoring well. The ES and PAL for benzene is 5 µg/L and 0.5 µg/L (respectively) and for toluene the ES and PAL is 343 µg/L and 68.6 µg/L (ES and PAL data as of August 1995). Therefore the percent reduction to meet the ES and PAL for benzene is 99.5 and 99.95 percent and for toluene it is 65.7 and 93.14 percent. For that reason, the single contaminant that is most critical to reaching state groundwater standards is benzene. Therefore benzene is entered on line a. In this example, 99.5 and 99.95 percent is entered on line b. In this example, 1,000 µg/L is entered on line c. In this example, benzene is the driving factor, therefore enter the maximum benzene level in the single most heavily contaminated extraction well during the most recent sampling period on line d.

-- D. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-2, In Situ Air Sparging

-- B.1. See instructions for Section GW-1, Item C.4.

-- C. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

ADDITIONAL ATTACHMENTS

FOURTH QUARTER 2020
WASTEWATER DISCHARGE MONITORING SHORT REPORT
AND DECEMBER 2020
WASTEWATER DISCHARGE MONITORING LONG REPORT

TETRA TECH

Wastewater Discharge Monitoring Short Report

For DNR Use Only

Facility Name : STA-RITE INDUSTRIES DEERFIELD PLANT (FORMER)
Contact Address : 175 N. Corporate Dr, Ste 100
Brookfield, WI 53045
Facility Contact : Mark Manthey, Associate Hydrogeologist
Phone Number : 262-207-3458
Reporting Period : 10/01/2020 - 12/31/2020
Form Due Date : 01/21/2021
Permit Number : **0046566**

Date Received:	
DOC:	458140
FIN:	38253
FID:	113123670
Region:	South Central Region
Permit Drafter:	Trevor J Moen
Reviewer:	Christopher A Dietrich
Office:	Milwaukee

Sample Point	Parameter #	Parameter	Date Sample	Sample Type	Sample Results	Units	Limit Type	Limit	LOD	LOQ	QC Exceed?	Lab Certification
001	377	pH Field	11/11/2020	GRAB	7.75	su	Daily Max Daily Min	9(0) 6(0)			N	
001	54	BETX, Total	11/11/2020	GRAB	<0.70	ug/L	Monthly Avg	750(0)			N	999580010
001	508	Trichloro- ethylene	11/11/2020	GRAB	0.53	ug/L	Monthly Avg	50(0)	0.16	0.53	N	999580010
001	561	1,1,1-Trichloro- ethane	11/11/2020	GRAB	<0.38	ug/L	Monthly Avg	50(0)	0.38	1.0	N	999580010
001	517	Vinyl chloride	11/11/2020	GRAB	<0.20	ug/L	Monthly Avg	10(0)	0.20	1.0	N	999580010

Wastewater Discharge Monitoring Short Report

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

TETRA TECH REMEDIATION SYSTEM FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite Deerfield Remedial Action	Temp. & pH	Hanna
PROJECT NO.	117-7469005.01	Conductivity	Hanna
LOCATION	Deerfield, Wisconsin	ORP	NA
PERSONNEL	Todd Thomson	DO	NA

SAMPLE ID		Influent	Effluent		
WATER TYPE		Groundwater	Groundwater		
DATE (month/day/year)		11-11-20	11-11-20		
CLOCK TIME (Military)		15:30	15:45		
EXTRACTION WELL DEPTH (feet below top of well casing)		115	115		
FLOW METER READING (gallons)		7,770,997	7,771,242		
FLOW RATE (gpm)		16.3	16.3		
SAMPLING DEVICE		Sample tap before particulate filters.	Sample tap after air stripper.		
FIELD TEMPERATURE (°C)		12.9	12.9		
pH		6.96	7.75		
ELEC. COND. (uS/cm)	Measured	NA	NA		
	at 25° C	995	980		
COLOR		CLEAR	CLEAR		
ODOR		NONE	NONE		
CLARITY		CLEAR	CLEAR		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)			
TCE, 1,1,1-TCA, 1,1,2-TCA vinyl chloride & BETX (EPA Method SW 8260B)	3-40 ml; G; HCL-L; No	3-40 ml; G; HCL-L; No		

Note: TCE = Trichloroethene TCA = Trichloroethane
BETX = Benzene, Ethylbenzene, Toluene and Xylenes

NAME OF LABORATORY	TestAmerica	TestAmerica		
DATE SENT TO LAB	11-13-20	11-13-20		
SAMPLER'S NAME	Todd Thomson	Todd Thomson		

TETRA TECH

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191129-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
11/25/2020 9:08:05 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Job ID: 500-191129-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-191129-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-191129-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.9		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	130		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Effluent
Lab Sample ID: 500-191129-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.53		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191129-1	Influent	Ground Water	11/11/20 15:30	11/16/20 10:00	
500-191129-2	Effluent	Ground Water	11/11/20 15:45	11/16/20 10:00	

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-191129-1
Date Collected: 11/11/20 15:30
Matrix: Ground Water
Date Received: 11/16/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 06:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 06:13	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 06:13	1
1,1,1-Trichloroethane	**3.9**		1.0	0.38	ug/L			11/24/20 06:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 06:13	1
Trichloroethene	**130**		0.50	0.16	ug/L			11/24/20 06:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 06:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*11/24/20 06:13*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*11/24/20 06:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*11/24/20 06:13*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*11/24/20 06:13*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Client Sample ID: Effluent

Date Collected: 11/11/20 15:45
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 06:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 06:38	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 06:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 06:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 06:38	1
Trichloroethene	**0.53**		0.50	0.16	ug/L			11/24/20 06:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 06:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*11/24/20 06:38*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*11/24/20 06:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*11/24/20 06:38*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*11/24/20 06:38*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

GC/MS VOA

Analysis Batch: 573683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191129-1	Influent	Total/NA	Ground Water	8260B	
500-191129-2	Effluent	Total/NA	Ground Water	8260B	
MB 500-573683/6	Method Blank	Total/NA	Water	8260B	
LCS 500-573683/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-191129-1	Influent	121	91	102	103
500-191129-2	Effluent	121	93	106	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
LCS 500-573683/4	Lab Control Sample	113	95	102	101
MB 500-573683/6	Method Blank	119	94	104	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-573683/6
Matrix: Water
Analysis Batch: 573683

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 00:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 00:25	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 00:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 00:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 00:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 00:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 00:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*11/24/20 00:25*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*11/24/20 00:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*11/24/20 00:25*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*11/24/20 00:25*	*1*

Lab Sample ID: LCS 500-573683/4
Matrix: Water
Analysis Batch: 573683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	53.2		ug/L		106	70 - 120
Ethylbenzene	50.0	55.5		ug/L		111	70 - 123
m&p-Xylene	50.0	51.6		ug/L		103	70 - 125
o-Xylene	50.0	52.2		ug/L		104	70 - 120
Toluene	50.0	53.1		ug/L		106	70 - 125
1,1,1-Trichloroethane	50.0	52.8		ug/L		106	70 - 125
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	71 - 130
Trichloroethene	50.0	49.5		ug/L		99	70 - 125
Vinyl chloride	50.0	55.2		ug/L		110	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Client Sample ID: Influent
Date Collected: 11/11/20 15:30
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573683	11/24/20 06:13	PMF	TAL CHI

Client Sample ID: Effluent
Date Collected: 11/11/20 15:45
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573683	11/24/20 06:38	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Chain of Custody Record

387033 eurofins | Environment Testi TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: MARK MATTHEY	Site Contact:	Date:	COC No: 500-8696.3-24
Company Name: TETRA TECH	Tel/Email:	Lab Contact: SANDIE FREDRICK	Carrier: EUROFINS	1 of 1 COCs
Address: 175 N. CORPORATE DR. SUITE 100	Analysis Turnaround Time			Sampler: TODD M. THORSEN
City/State/Zip: BROOKFIELD WI. 53045	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (262) 792-1282	TAT if different from Below: STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: PENTAIR DEERFIELD	☐ 1 week			
Site: 117-7469005.01	☐ 2 days			Job / SDG No.: 500-191129
P O #	☐ 1 day			

	Sample Identification	2020 Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCE	1,1-TCA	1,2-TCA	VINYL CHLORIDE	BETX	BY METHOD 8260B	500-191129 COC	Sample Specific Notes:
1	INFLUENT	11-11	15:30	G	GW	3	N		3	→	→	→	→	→		SEPARATE REPORT REQUIRED:
2	EFFLUENT	11-11	15:45	G	GW	3	N		3	→	→	→	→	→		
									2							

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 0.1 Corr'd: 0.0 | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	11-13-20 0800	Received by:	TA	11-13-20 8:00
Relinquished by:	TA	11-13-20 1700	Received by:		
Relinquished by:			Received in Laboratory by:	FTA-CHT	

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 13NOV20
ACTWGT: 64.20 LB
CAD: 525155/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECEIPT**
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-6200 REF:
INV:
PO: DEPT:

500-191129 Wayb

FedEx Express

2 of 3
MPS# 0263 7125 4943 6786
Mstr# 7125 4943 6775

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO JOTA

60484
IL-US **ORD**

48 qt.

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-191129-1

Login Number: 191129
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: STA-RITE INDUSTRIES DEERFIELD PLANT (FORMER)
Contact Address: 175 N. Corporate Dr, Ste 100
Brookfield, WI 53045
Facility Contact: Mark Manthey, Associate Hydrogeologist
Phone Number: 262-207-3458
Reporting Period: 12/01/2020 - 12/31/2020
Form Due Date: 01/21/2021
Permit Number: 0046566

Date Received:	
DOC:	457606
FIN:	38253
FID:	113123670
Region:	South Central Region
Permit Drafter:	Trevor J Moen
Reviewer:	Christopher A Dietrich
Office:	Milwaukee

	Sample Point	001
	Description	Surface Water Discharge
	Parameter	211
	Description	Flow Rate
	Units	gpd
	Sample Type	ESTIMATED
	Frequency	DAILY
Sample Results	**Day 1**	23701
	2	23593
	3	23593
	4	23593
	5	23593
	6	23593
	7	23593
	8	23593
	9	23593
	10	23593
	11	23593
	12	23593
	13	23593
	14	23593
	15	23593
	16	23504
	17	23504
	18	23504
	19	23504
	20	23504
	21	23504
	22	23504
	23	23504
	24	23504
	25	23504
	26	23504
	27	23504
	28	23504
	29	23504
	30	23504
	31	23504

	Sample Point	001
	Description	Surface Water Discharge
	Parameter	211
	Description	Flow Rate
	Units	gpd
Summary Values	**Monthly Avg**	23550.548387097
	Daily Max	23701
	Daily Min	23504
QA/QC Information	**LOD**	
	LOQ	
	QC Exceedance	N
	Lab Certification	

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

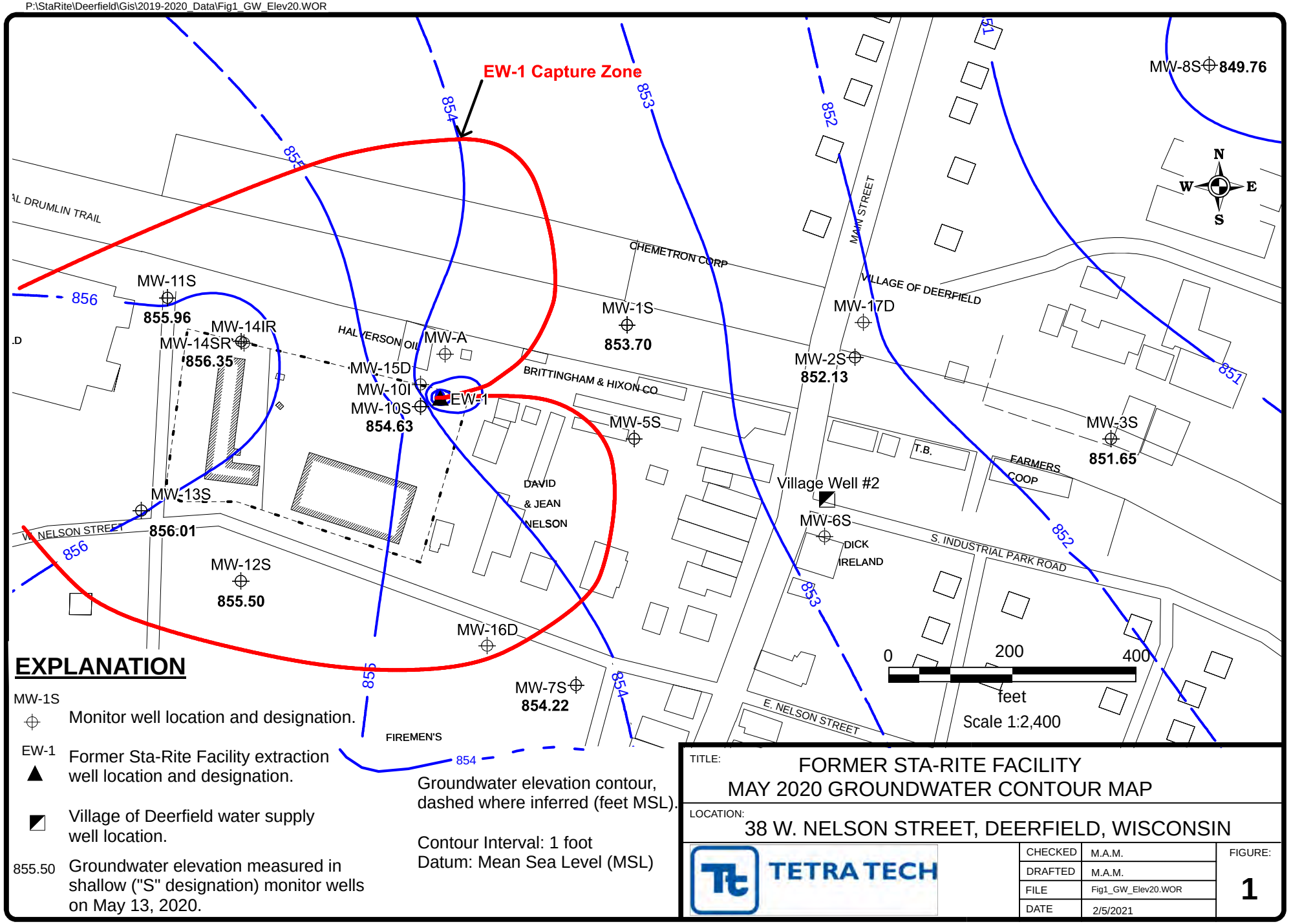
General Remarks

Estimated daily flow values calculated from flow readings collected on November 24, December 1, December 15, and December 29, 2020.

Laboratory Quality Control Comments

FIGURES

P:\StaRite\Deerfield\Gis\2019-2020_Data\Fig1_GW_Elev20.WOR



EXPLANATION

MW-1S — Monitor well location and designation.

EW-1 ▲ — Former Sta-Rite Facility extraction well location and designation.

◩ — Village of Deerfield water supply well location.

855.50 — Groundwater elevation measured in shallow ("S" designation) monitor wells on May 13, 2020.

Groundwater elevation contour, dashed where inferred (feet MSL).

Contour Interval: 1 foot
Datum: Mean Sea Level (MSL)

TITLE:
FORMER STA-RITE FACILITY
MAY 2020 GROUNDWATER CONTOUR MAP

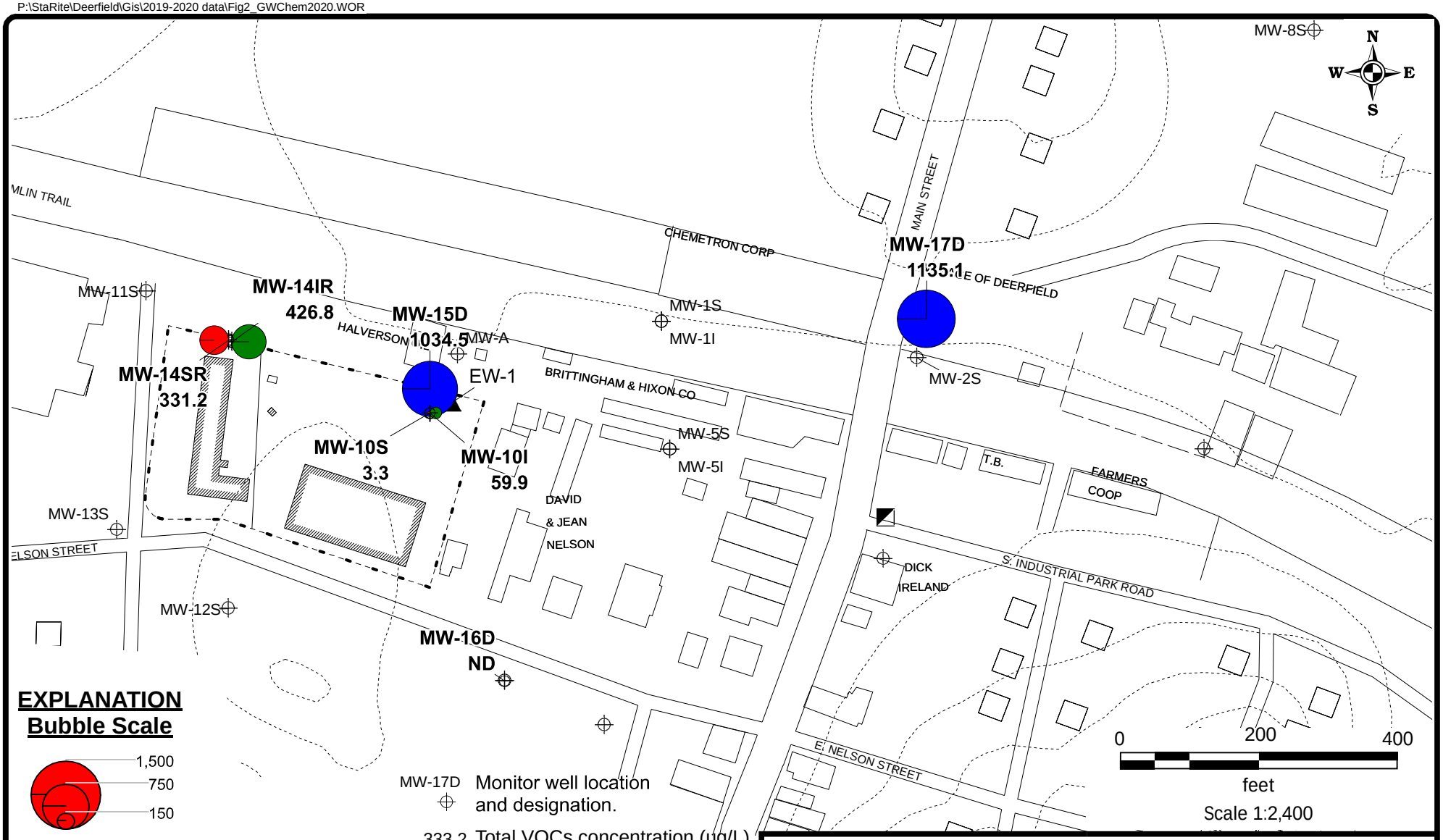
LOCATION:
38 W. NELSON STREET, DEERFIELD, WISCONSIN

TETRA TECH

CHECKED	M.A.M.
DRAFTED	M.A.M.
FILE	Fig1_GW_Elev20.WOR
DATE	2/5/2021

FIGURE: 1

P:\StaRite\Deerfield\Gis\2019-2020 data\Fig2_GWChem2020.WOR



EXPLANATION

Bubble Scale

1,500
750
150

Shallow Monitor Wells Total VOCs (ug/L).

Intermediate Monitor Wells Total VOCs (ug/L).

Deep Monitor Wells Total VOCs (ug/L).

EW-1 ▲ Former Sta-Rite Facility extraction well.

MW-17D ⊕ Monitor well location and designation.

333.2 Total VOCs concentration (ug/L)

ND No VOCs detected in sample.

Topographic contour line. Contour Interval: 10 feet

Note:
Analytical data from November 2020 sampling round.

TITLE:

TOTAL VOCs BUBBLE PLOTS FORMER STA-RITE FACILITY

LOCATION:

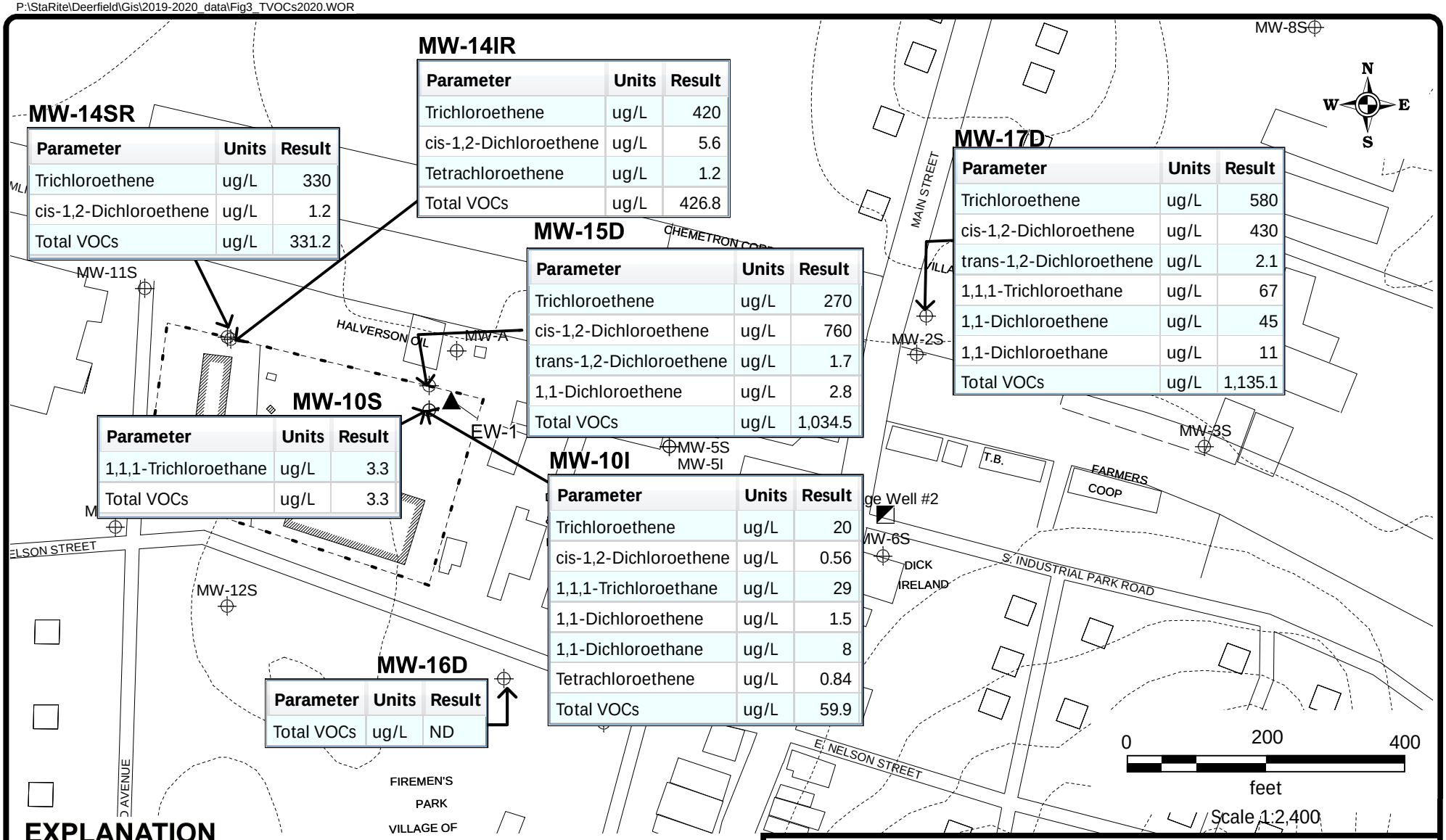
38 W. NELSON STREET, DEERFIELD, WISCONSIN

TETRA TECH

CHECKED	M.A.M.
DRAFTED	M.A.M.
FILE	Fig2_GWChem2020.WOR
DATE	2/5/2021

FIGURE: **2**

P:\StaRite\Deerfield\Gis\2019-2020_data\Fig3_TVOCs2020.WOR



EXPLANATION

MW-10S — Monitor well location and designation.

EW-1 — Former Sta-Rite facility extraction well location and designation.

Village of Deerfield water supply well location.

ND — No VOCs detected in sample.

Topographic contour line. Contour Interval: 10 feet

Note:
Analytical data from November 2020 sampling round.

TITLE:
FORMER STA-RITE FACILITY
2020 CONTAMINANT DISTRIBUTION MAP

LOCATION: 38 W. NELSON STREET, DEERFIELD, WISCONSIN

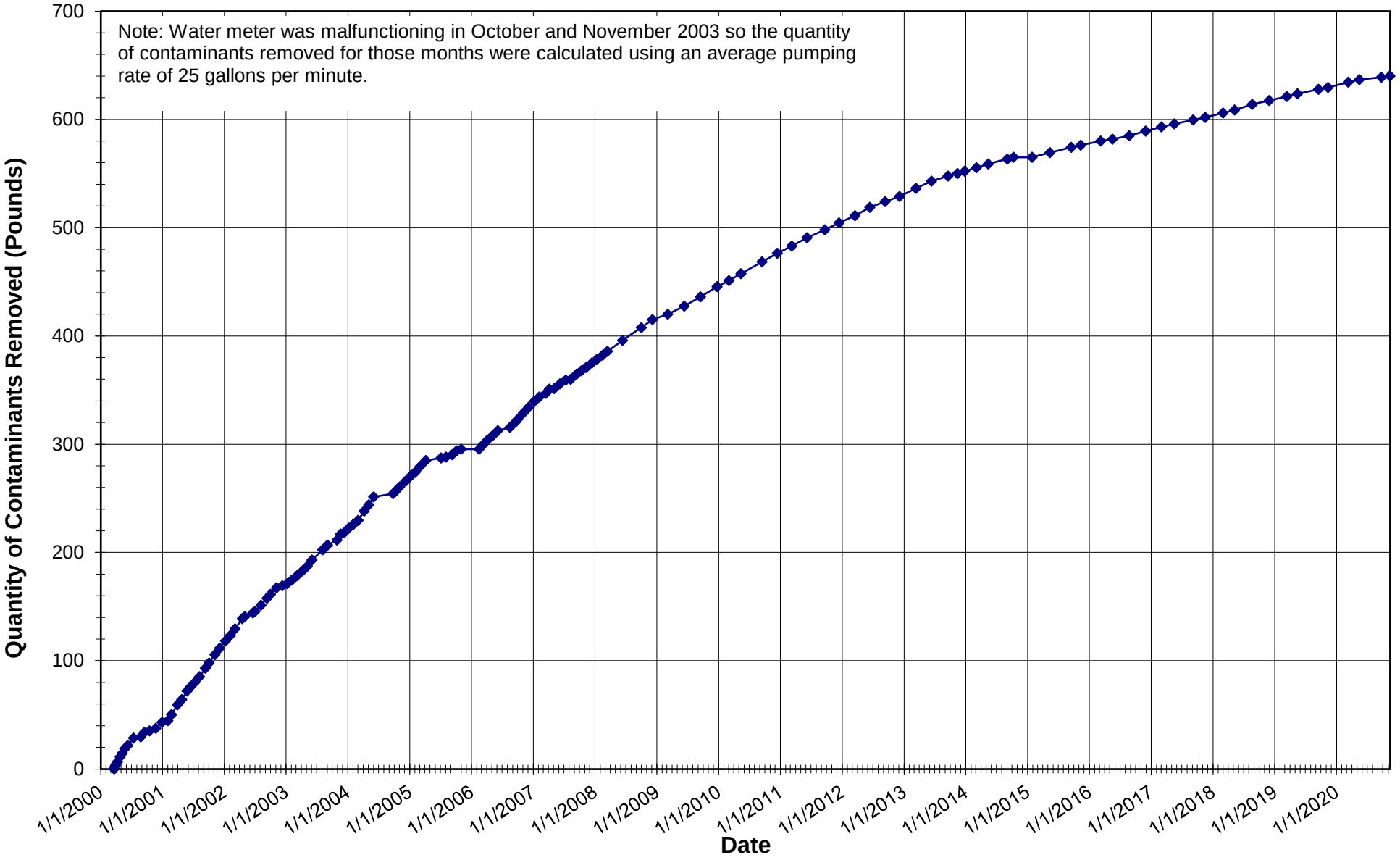
TETRA TECH

CHECKED	M.A.M.
DRAFTED	M.A.M.
FILE	Fig3_TVOCs2020.WOR
DATE	2/2/2021

FIGURE: 3

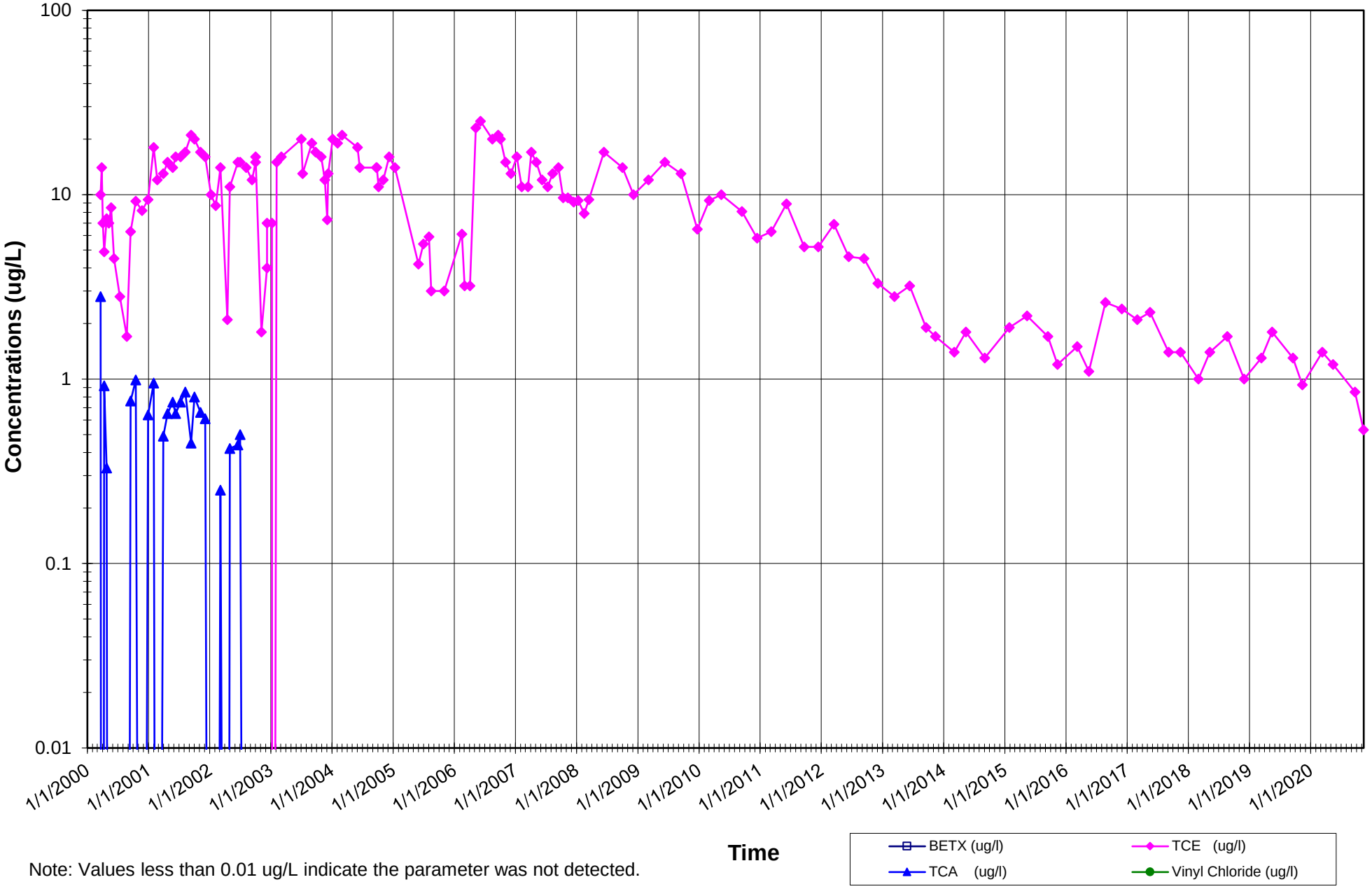
GRAPHS

Chart 1. Former Sta-Rite Facility Deerfield, Wisconsin
Groundwater Extraction and Treatment System
Cumulative Dissolved-Phase Contaminants Removed



P:\StaRite\Deerfield\Wpdes\Remediation System Data.xlsx

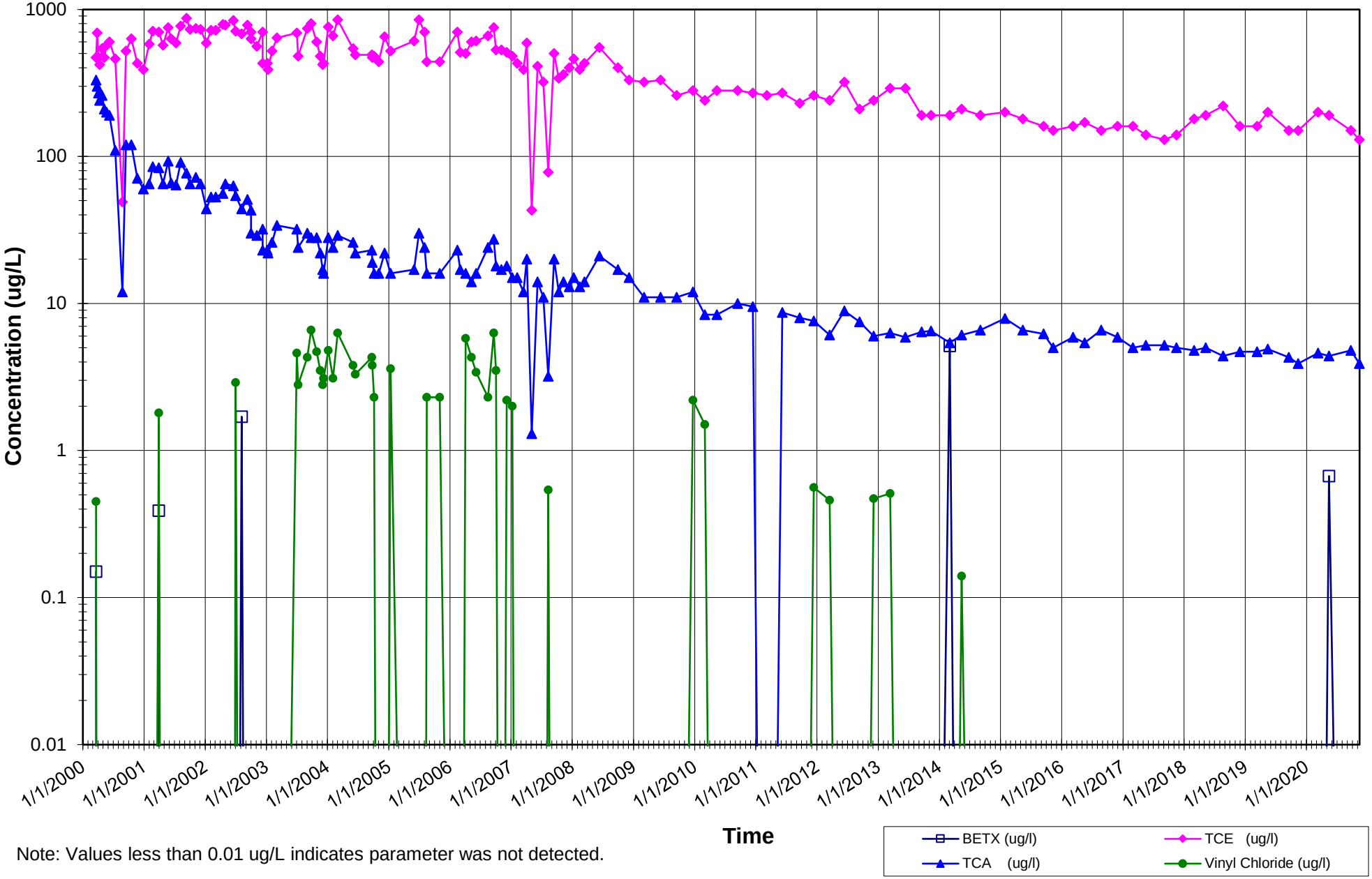
Chart 2. Former Sta-Rite Facility Deerfield, Wisconsin Groundwater Extraction and Treatment System Treated Groundwater Effluent Concentrations



Note: Values less than 0.01 ug/L indicate the parameter was not detected.

P:\StaRite\Deerfield\Wpdes\Remediation System Data.xlsx

Chart 3. Former Sta-Rite Facility Deerfield, Wisconsin
Groundwater Extraction and Treatment System Influent Concentrations



Note: Values less than 0.01 ug/L indicates parameter was not detected.

P:\StaRite\Deerfield\Wpdes\Remediation System Data.xlsx

Chart 4. Monitor Well MW-17D Groundwater Chemistry Time Series Chart

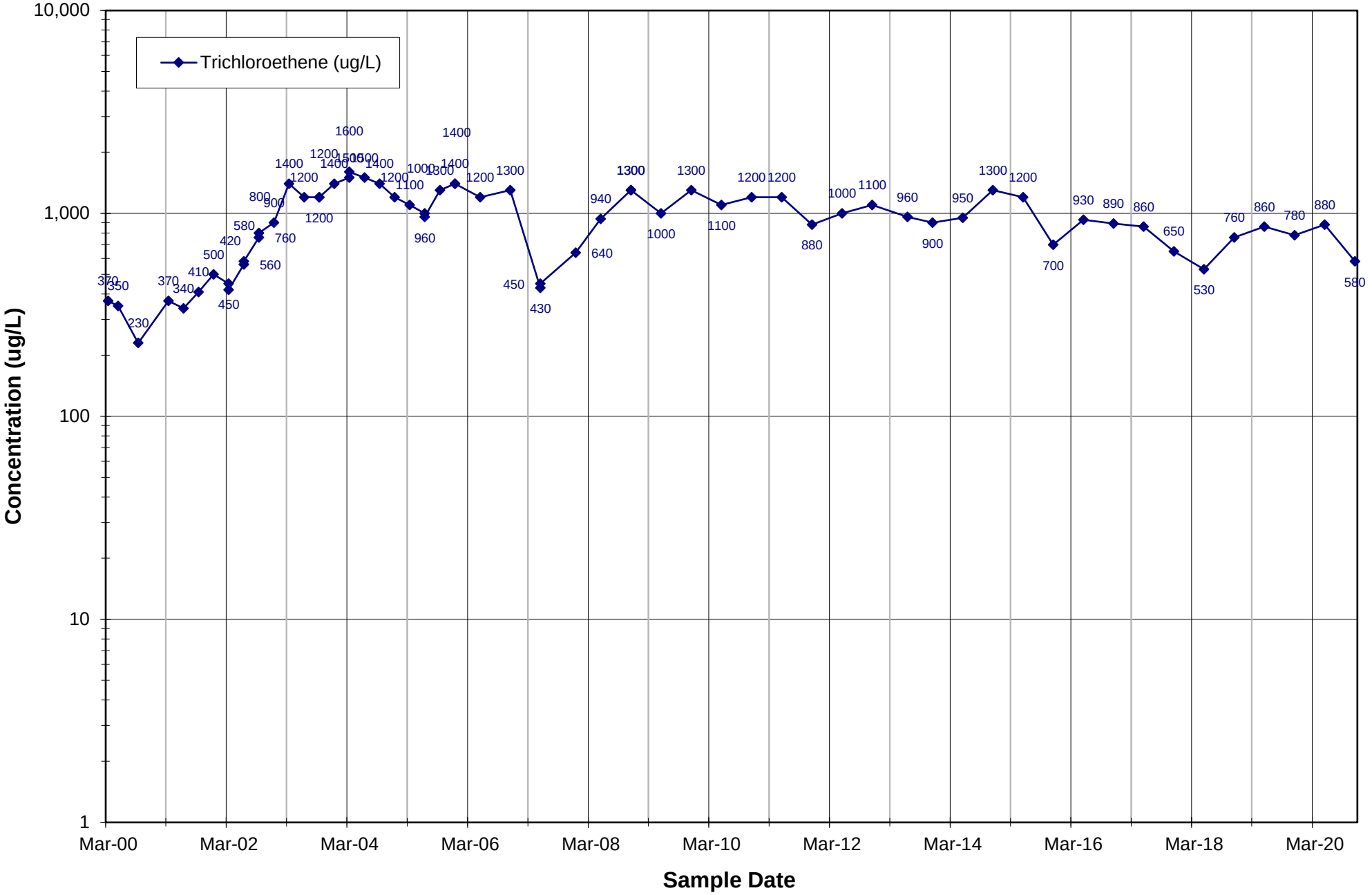


Chart 5. Monitor Well MW-15D Groundwater Chemistry Time Series Chart

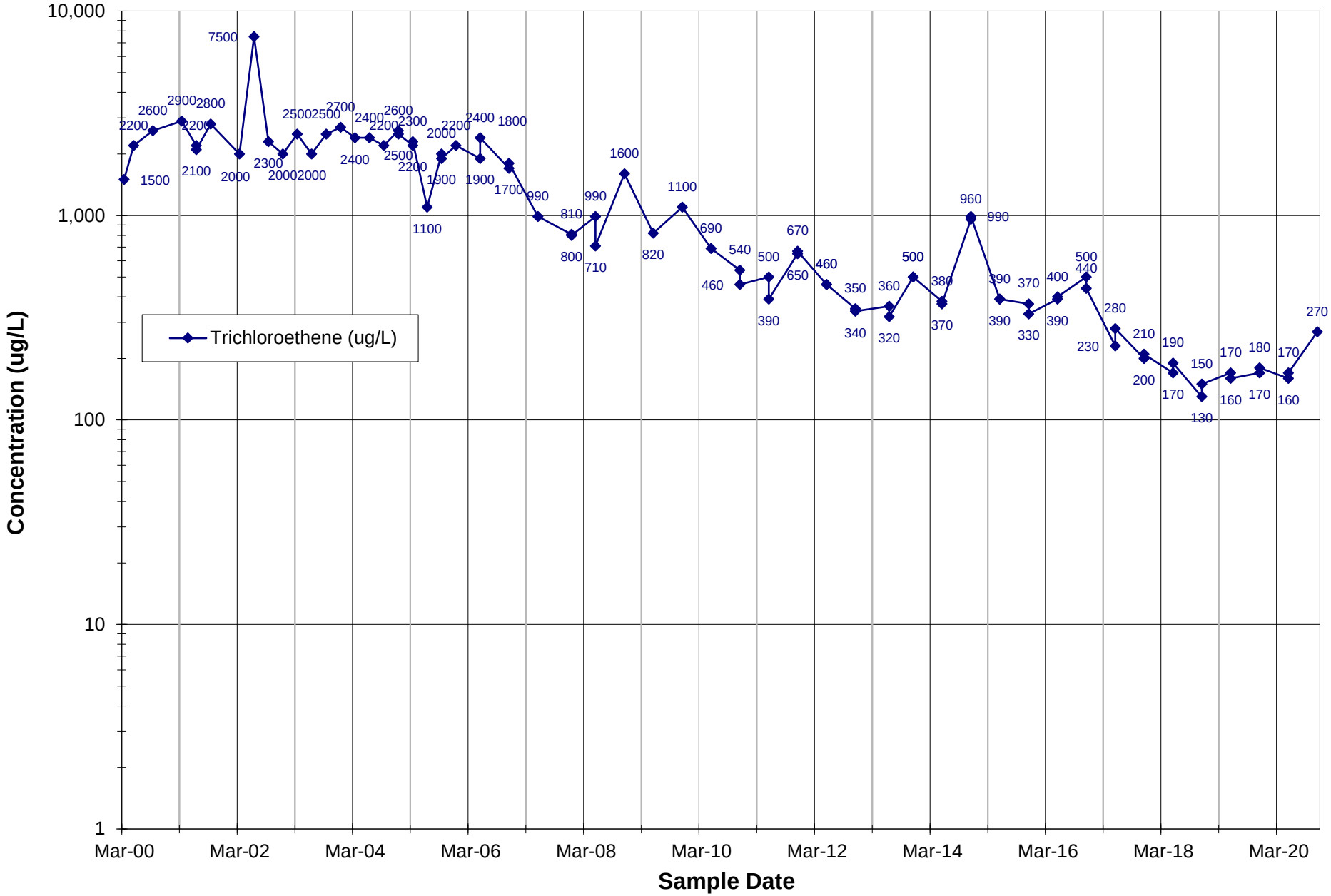


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Chart 6. Former Sta-Rite Facility
Deerfield, Wisconsin
MW-14IR Groundwater Chemistry Chart

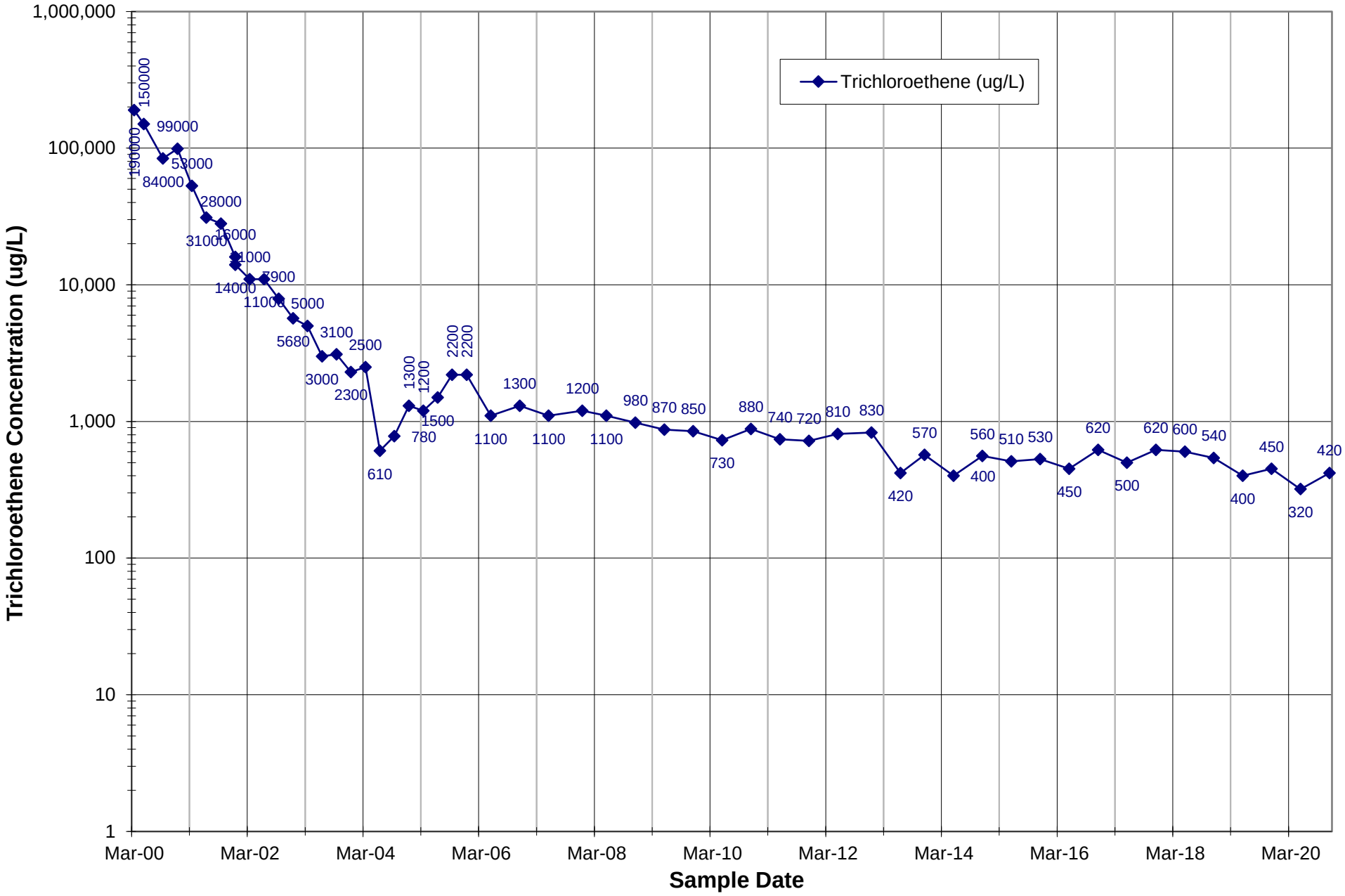

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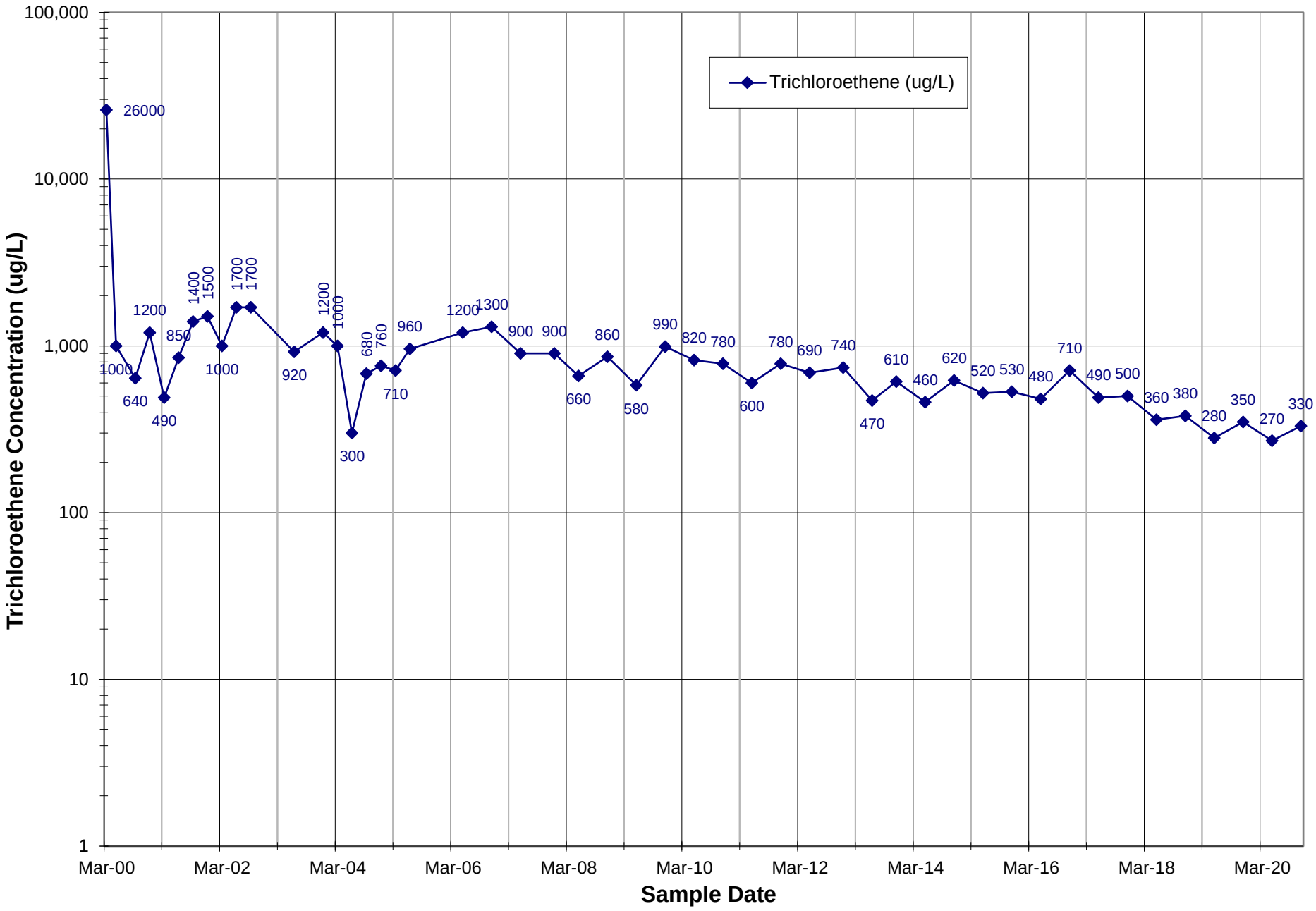
Chart 7. Former Sta-Rite Facility
Deerfield, Wisconsin
MW-14SR Groundwater Chemistry Time Series Chart



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TABLES

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
3/20/2000	12:20	0	510	35.0	50,400	1,528,800	<0.25	10.0	2.8	<0.25	0.15	470	330	0.45	10.2	1051	7.8	10.2	1049	7.0
3/27/2000	14:40	10,220	344,820	33.7	48,513	1,492,010	<0.25	14.0	<0.25	<0.25	<10	690	300	<10	11.2	1065	7.2	11.6	1057	8.0
4/3/2000	13:18	9,998	670,800	32.6	46,951	1,412,580	<0.25	7.0	<0.25	<0.25	<10	470	270	<10	Not Measured			Not Measured		
4/10/2000	12:10	10,012	995,260	32.4	46,666	1,405,993	<0.25	4.9	0.9	<0.25	<2.5	420	240	<2.5	11.6	1077	7.6	12.0	1102	6.9
4/25/2000	15:45	21,815	1,691,480	31.9	45,957	1,408,637	<0.25	7.4	0.3	<0.25	<5.0	540	260	<5.0	13.7	1094	7.6	15.3	1302	6.7
5/8/2000	11:40	18,475	2,276,850	31.7	45,626	1,368,142	<0.25	7.0	<0.25	<0.25	<5.0	470	210	<5	14.8	1089	7.8	14.5	1104	7.0
5/22/2000	16:45	20,465	2,922,430	31.5	45,426	1,498,597	<0.25	8.5	<0.25	<0.25	<5.0	570	200	<5.0	13.7	1041	7.9	14.1	999	7.1
6/8/2000	11:30	14,475	3,382,990	31.8	45,817	1,393,612	<0.50	4.5	<0.50	<0.50	<6.2	600	190	<6.2	15.5	1044	7.8	17.5	798	6.9
7/13/2000	11:50	50,420	4,822,140	28.5	41,102	1,439,150	<0.70	2.8	<0.50	<0.25	<7.0	460	110	<2.5	15.7	1038	7.9	15.7	1009	6.9
8/24/2000	15:51	60,721	6,597,870	29.2	42,111	1,775,730	<0.70	1.7	<0.50	<0.25	<0.70	49	12	<0.25	17.8	1183	7.6	20.4	1194	6.8
9/15/2000	15:55	31,684	7,411,920	25.7	36,998	814,050	<0.70	6.3	0.76	<0.25	<7.0	520	120	<2.5	14.7	1181	7.9	15.4	1198	7.4
10/16/2000	11:44	44,389	7,634,443	5.0	7,219	222,523	<0.70	9.2	0.99	<0.25	<14.0	630	120	<5.0	16.2	1194	7.6	17.8	1116	7.3
10/17/2000	13:50	1,566	7,678,405	28.1	40,425	266,485	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
10/17/2000	23:26	576	7,694,519	28.0	40,285	282,599	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
11/7/2000	10:00	29,434	7,694,519	0.0	0	0	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
11/7/2000	10:15	15	7,694,950	28.7	41,376	431	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
11/9/2000	12:26	3,011	7,695,420	0.2	225	901	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
11/9/2000	12:43	17	7,695,899	28.2	40,574	1,380	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
11/22/2000	13:50	18,787	8,182,843	25.9	37,324	488,324	<0.70	8.2	<0.50	<0.25	<34.0	430	71	<12	Not Measured			Not Measured		
12/28/2000	11:20	51,690	9,645,440	28.3	40,746	1,950,490	<0.70	9.4	0.64	<0.25	<7.0	390	60	<2.5	10.6	1023	7.7	9.5	1022	7.4
1/31/2001	12:50	49,050	9,922,200	5.6	8,125	276,760	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
1/31/2001	14:42	112	9,925,270	27.4	39,471	279,830	<0.70	18	0.95	<0.25	<7.0	580	65	<2.5	12.9	1233	8.1	12.9	1247	7.9
2/22/2001	11:32	31,490	10,775,500	27.0	38,880	850,230	<1.4	12	<1.0	<0.50	<17.4	710	85	<6.2	3.4	969	8.4	4.2	1468	7.2
3/7/2001	7:15	18,463	11,288,860	27.8	40,039	513,360	Not Analyzed →				Not Analyzed →				Not Measured			Not Measured		
3/29/2001	10:30	31,875	12,129,640	26.4	37,983	1,354,140	<0.70	13	0.49	<0.25	0.39	700	83.58	1.8	11.5	1106	7.5	12.7	1113	6.7
4/24/2001	13:05	37,595	13,089,270	25.5	36,757	959,630	NA	15	0.65	<0.25	NA	570	65	<2.5	15.9	1122	7.5	15.1	1740	7.0
5/25/2001	13:00	44,635	14,189,820	24.7	35,506	1,100,550	<0.70	14	0.75	<0.25	<14.0	750	93	<5.0	15.9	1207	8.3	13.9	1249	7.4
6/11/2001	15:20	24,620	14,776,610	23.8	34,321	586,790	<0.70	16	0.65	<0.25	<7.0	630	66	<2.5	21.8	1174	8.1	19.8	1208	6.9
7/10/2001	15:20	41,760	15,623,990	20.3	29,220	847,380	NA	16	0.75	<0.25	NA	590	64	<2.5	NM	NM	NM	NM	NM	NM
8/7/2001	13:25	40,205	16,367,370	18.5	26,625	743,380	<2.18	17	0.85	<0.46	<21.8	770	91	<4.6	NM	1015	7.9	NM	936	7.1
9/11/2001	12:20	50,335	17,338,600	19.3	27,785	971,230	<0.7	21	0.45	<0.25	<7.0	870	77	<2.5	13.2	940	8.1	12.9	924	6.9
10/2/2001	14:41	30,381	18,085,720	24.6	35,412	747,120	<0.7	20	0.80	<0.25	<7.0	730	65	<2.5	17.6	1181	NM	16.3	1240	NM
11/6/2001	12:40	50,279	19,215,590	22.5	32,360	1,129,870	<0.7	17	0.66	<0.25	<7.0	740	72	<2.5	13.1	1130	7.94	12.1	545	7.02
12/4/2001	13:10	40,350	20,128,230	22.6	32,570	912,640	<0.7	16	0.61	<0.25	<7.0	730	65	<2.5	12.6	894	7.8	12.2	916	7.0
1/8/2002	12:30	50,360	21,388,270	25.0	36,030	1,260,040	<0.7	10	<0.50	<0.25	<7.0	590	44	<2.5	11.1	855	8.0	11.9	880	7.0
2/5/2002	13:10	40,360	22,193,840	20.0	28,742	805,570	<0.7	8.7	<0.50	<0.25	<7.0	720	53	<2.5	11.1	820	8.0	11.7	869	7.1
3/5/2002	13:55	40,365	23,111,090	22.7	32,722	917,250	<0.7	14	0.25	<0.25	<7.0	720	53	<2.5	11.2	889	7.8	11.4	549	7.0
4/16/2002	7:20	60,085	24,432,700	22.0	31,674	1,321,610	<0.7	2.1	<0.25	<0.25	<34	790	56	<12	14.2	586	NM	14.2	590	NM

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
5/1/2002	8:55	21,695	24,718,930	13.2	18,998	286,230	<2.18	11	0.42	<0.46	<21.8	780	65	<4.6	12.2	917	8.1	11.7	915	7.1
6/18/2002	14:33	69,458	25,163,210	6.4	9,211	444,280	<0.7	15	0.44	<0.25	<14	840	63	<5.0	13.6	907	8.1	13.2	813	7.1
7/1/2002	13:58	18,685	25,380,920	11.7	16,778	217,710	<0.7	15	0.50	<0.25	<7.0	710	54	2.9	NM	NM	NM	NM	NM	NM
8/6/2002	14:05	51,847	26,340,380	18.5	26,648	959,460	<0.7	14	<0.25	<0.25	1.7	680	44	<2.5	15.7	1078	7.4	14.5	982	6.5
9/10/2002	11:10	50,225	27,248,940	18.1	26,049	908,560	<0.7	12	<0.25	<0.25	<14	780	51	<5.0	13.7	605	8.1	12.9	991	7.1
10/1/2002	11:21	30,251	27,853,510	20.0	28,779	604,570	<0.7	15	<0.25	<0.25	<7.0	700	43	<2.5	13.4	907	8.2	13.8	927	7.1
11/5/2002	12:55	50,494	29,062,610	23.9	34,481	1,209,100	<0.7	1.8	<0.25	<0.25	<11.2	560	29	<4.0	11.4	853	7.2	11.5	742	6.6
12/9/2002	15:55	49,140	29,363,610	6.1	8,821	301,000	<0.7	4.0	<0.25	<0.25	<7.0	700	32	<2.5	11.3	680	NM	11.5	873	NM
1/7/2003	14:30	41,675	*Meter not working		0		<1.2	16	<0.50	<0.50	<7.0	630	30	<2.5	11.6	889	8.0	11.6	770	7.3
1/10/2003	12:10	45,855	29,718,380	7.7	11,141	354,770														
2/4/2003	13:30	36,080	30,604,840	24.6	35,380	886,460	<1.2	7.0	<0.75	<0.50	<12.0	430	23	<5.0	10.9	704	8.1	11.2	808	7.1
3/5/2003	15:08	41,858	31,668,180	25.4	36,581	1,063,340	<1.2	7.0	<0.75	<0.50	<12.0	430	23	<5.0	10.9	704	8.1	11.2	808	7.1
4/8/2003	13:03	48,835	32,944,070	26.1	37,622	1,275,890	<1.5	<0.25	<0.50	<0.50	<12.0	390	22	<4.0	NM	NM	8.0	NM	NM	6.8
5/6/2003	13:20	40,337	33,904,290	23.8	34,279	960,220	<1.5	15	<0.75	<0.50	<15.0	520	26	<5.0	NM	NM	7.2	NM	NM	6.9
6/3/2003	12:15	40,255	34,921,170	25.3	36,376	1,016,880	<1.5	16	<0.50	<0.50	<24.0	640	34	<8.0	NM	NM	7.7	NM	NM	6.8
7/1/2003	15:30	40,515	35,543,965	15.4	22,136	622,795														
7/10/2003	16:13	13,003	35,549,040	0.4	562	5,075														
7/15/2003	16:16	7,203	35,712,940	22.8	32,766	168,975														
8/5/2003	13:30	30,074	36,478,010	25.4	36,633	765,070	<1.5	20	<0.50	<0.25	<15.0	690	32	4.6	13.4	1152	8.3	12.7	1140	7.3
9/2/2003	14:20	40,370	37,507,200	25.5	36,711	1,029,190	<1.5	13	<0.50	<0.25	<15.0	480	24	2.8	13.3	1023	8.5	12.6	1120	7.4
9/25/2003	12:50	33,030	38,242,480	22.3	32,056	735,280														
10/8/2003	13:05	18,735	38,779,480	28.7	41,275	537,000														
10/28/2003	13:05	28,800	38,781,500	0*	#VALUE!	539,020	<1.4	19	<0.50	<0.20	<14.0	740	30	4.3	NM	NM	7.3	NM	NM	7.0
11/19/2003	12:15	31,630	38,782,240	0*	#VALUE!	740	<1.4	17	<0.50	<0.20	<14.0	800	28	6.6	12.3	659	7.5	12.4	898	6.6
12/3/2003	14:05	20,270	38,782,550	0*	#VALUE!	310	*Water meter malfunctioning.													
12/9/2003	9:03	8,338	38,998,420	25.9	37,281	216,180	<1.4	16	<0.50	<0.20	<14.0	600	28	4.7	11.3	691	6.9	11.5	542	6.5
1/5/2004	12:59	39,116	40,025,690	26.3	37,817	1,027,270	<1.4	12	<0.50	<0.20	<22.4	480	22	3.5	10.5	1030	8.2	11.3	756	7.3
2/3/2004	12:35	41,736	41,036,070	24.2	34,861	1,010,380	<1.4	7.3	<0.50	<0.20	<14.0	420	17	2.8	10.8	1129	8.3	11.3	1113	7.2
3/1/2004	13:50	38,955	42,007,170	24.9	35,897	971,100	<1.4	13	<0.50	<0.20	<14.0	430	16	3.1	11.6	667	8.3	11.6	995	7.1
4/6/2004	12:20	51,750	43,293,700	24.9	35,799	1,286,530	<1.4	20	<0.50	<0.20	<14.0	760	28	4.8	12.4	566	8.1	12.3	1173	7.1
5/4/2004	13:50	40,410	44,287,040	24.6	35,397	993,340	<1.4	19	<0.50	<0.20	<14.0	660	24	3.1	12.7	758	8.3	12.4	1237	7.2
6/1/2004	13:15	40,285	45,270,720	24.4	35,162	983,680	<1.4	21	<0.50	<0.20	<16.0	850	29	6.3	12.4	1150	8.1	11.9	1242	6.9
6/15/2004	13:05	20,150	45,797,474	26.1	37,644	526,754	* Shut system off at 13:05. Water backing up into air stripper due to obstruction in underground PVC discharge line. Replaced 10-foot section of discharge line on September 21, 2004. Obstruction in discharge line was build-up of calcium carbonate scale in low spot of discharge line. Re-start system at 11:20.*													
9/21/2004	11:20	141,015	45,797,474	0.0	0	0														
9/24/2004	12:25	4,385	45,912,590	26.3	37,803	641,870	<1.4	18	<0.50	<0.20	<14.0	540	26	3.8	12.9	1209	8.3	12.9	644	7.2
10/5/2004	13:59	15,934	46,324,740	25.9	37,247	412,150	<1.4	14	<0.50	<0.20	<14.0	490	22	3.3	12.1	572	8.3	12.9	1098	7.3
11/2/2004	14:10	40,331	47,368,090	25.9	37,252	1,043,350	<1.4	14	<0.50	<0.20	<14.0	490	23	4.3	11.6	1154	8.3	11.7	1142	7.1
12/7/2004	13:53	50,383	48,656,500	25.6	36,824	1,288,410	<1.4	14	<0.50	<0.20	<14.0	470	19	3.8	11.5	734	8.1	11.7	681	7.0

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Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
1/11/2005	12:40	50,327	49,935,030	25.4	36,582	1,278,530	<1.4	11	<0.50	<0.20	<14.0	480	16	2.3	11.1	538	NM	11.4	750	NM
2/1/2005	13:50	30,310	50,702,680	25.3	36,470	767,650	<1.4	12	<0.50	<0.20	<14.0	440	16	<2.0	11.2	541	8.2	11.1	1101	7.2
3/3/2005	13:37	43,187	51,677,870	22.6	32,516	975,190	<1.4	16	<0.50	<0.20	<14.0	650	22	<2.0	10.9	730	8.1	11.3	1226	7.1
4/5/2005	14:26	47,569	52,856,700	24.8	35,685	1,178,830	<1.4	14	<0.50	<0.20	<14.0	520	16	3.6	13.1	830	8.3	12.9	758	7.0
4/13/2005	12:00	11,374	53,140,800	25.0	35,968	284,100	*System shut down; high water level in air stripper sump. De-scale air stripper trays. Pump switch in control panel does not													
5/31/2005	12:00	69,120	53,140,800	0.0	0	0	operate in the "Auto" position. Ordered new switch for control panel and had switch installed by Pentair Water electrician.													
6/30/2005	12:00	43,200	53,140,800	0.0	0	0	Float switch in air stripper sump also had to be replaced.													
6/30/2005	16:00	240	53,140,800	0.0	0	0	*Re-start system after installing new pump switch in control panel.													
7/5/2005	12:56	7,016	53,323,510	26.0	37,500	182,710	<1.4	4.2	<0.50	<0.20	<14.0	610	17	<2.0	13.4	592	8.3	13.3	1228	7.1
7/8/2005	12:00	4,264			0	*System off when personnel arrived to collect monthly effluent sample on August 2. Replaced fuse in control panel and re-started system. Based on average flow rate of 25 gpm, system likely shut down on July 8.														
8/2/2005	13:40	40,364	53,423,670	2.5	3,573	100,160	<1.4	5.4	<0.50	<0.20	<14.0	850	30	<2.0	NM	812	8.4	NM	851	7.2
8/15/2005	1:00	17,960	53,796,070	20.7	29,858	472,560	*System shut down; alarm condition 2 exists (high water level in air stripper sump). Air stripper trays de-scaled on September 9 prior to collecting monthly samples. August 15 meter reading is an estimated value.													
9/9/2005	13:42	36,762	53,796,080	0.0	0	10														
9/9/2005	13:55	13	53,796,460	29.2	42,092	380	<1.4	5.9	<0.50	<0.20	<22.4	700	24	<3.2	15.0	1221	8.4	13.6	732	7.1
10/4/2005	13:58	36,003	54,724,630	25.8	37,124	928,170	<1.4	3.0	<0.50	<0.20	<14.0	440	16	2.3	13.7	1158	8.1	13.0	1148	7.0
11/1/2005	13:26	40,288	55,142,120	10.4	14,922	417,490	*System shut down sometime prior to November 1. Blower pressure gauge not working, float switch malfunction.													
2/14/2006	12:30	151,144	55,142,120	0.0	0	0	* Replaced float valve on 2/10/2006. Re-start system at 12:30 on 2/14/2006.													
2/14/2006	13:13	43	55,143,740	37.7	54,251	1,620	<1.4	6.1	<0.50	<0.20	<14.0	700	23	<2.0	12.1	584	8.2	11.9	1304	7.4
3/3/2006	13:09	24,476	55,805,470	27.0	38,932	661,730	<1.4	3.2	<0.50	<0.20	<14.0	510	17	<2.0	11.3	542	8.5	11.4	868	7.2
4/4/2006	12:26	46,037	56,998,320	25.9	37,311	1,192,850	<1.4	3.2	<0.50	<0.20	<14.0	500	16	5.8	12.0	689	8.4	11.9	805	7.2
4/17/2006					0		*System automatically shut down due to thunder storm. System not re-started because air stripper trays required cleaning.													
4/21/2006				0.0	0		*Cleaned air stripper trays and re-started system.													
5/9/2006	13:26	50,460	57,967,060	19.2	27,645	968,740	<1.4	23	<0.50	<0.20	<14.0	600	14	4.3	12.7	1178	8.3	12.5	602	7.1
5/18/2006					0		*Pump in extraction well not operating. Pump switch in control panel needs to be replaced.													
5/23/2006	12:00	7,920		0.0	0		*Install new pump switch in control panel and electricl outlet for mixer for AquaMag solution chemical tank. Start using AquaMag solution again to control scale build-up on air stripper trays.													
6/6/2006	12:30	40,264	58,742,790	24.0	34,537	775,730	<1.4	25	<0.50	<0.20	<14.0	610	16	3.4	12.9	1216	8.3	12.6	973	7.1
6/18/2006					0		*System shut down sometime after 6/6/2006. Check of control panel circuits on 8/11/2006 found faulity circuit breaker.													
8/14/2006	14:10	82,930			0		*Replaced Ck203 in control panel and re-start sysem.													
8/15/2006	12:30	100,800	59,231,400	27.3	39,373	488,610	<1.4	20	<0.50	<0.20	<14.0	660	24	2.3	13.9	610	8.4	13.5	855	7.1
9/9/2006					0		*System automatically shut down on 9/9/2006.													
9/14/2006	16:00	8,160		0.0	0		*Checked system on 9/14/2006; removed obstruction in blower filter and re-started system at 16:00.													
9/19/2006	13:21	50,451	60,038,930	19.1	27,496	807,530	<1.4	21	<0.50	<0.20	<14.0	750	27.38	6.3	12.4	1058	8.2	12.5	1130	7.1
10/3/2006	13:30	20,169	60,593,860	27.5	39,620	554,930	<1.4	20	<0.50	<0.20	<14.0	530	18	3.5	13.4	780	8.4	12.6	853	7.2
11/3/2006	10:47	44,477	61,806,240	27.3	39,252	1,212,380	<1.4	15	<0.50	<0.20	<14.0	530	17	<2.0	11.6	574	8.2	11.8	993	7.0
12/5/2006	12:53	46,206	63,040,750	26.7	38,473	1,234,510	<1.4	13	<0.50	<0.20	<14.0	510	18	2.2	11.3	734	8.2	11.1	748	6.8

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
1/8/2007	14:15	49,042	64,336,700	26.4	38,052	1,295,950	<1.4	16	<0.50	<0.20	<14.0	480	15	2.0	11.4	885	8.0	11.7	574	6.6
2/6/2007	13:10	41,695	65,427,630	26.2	37,677	1,090,930	<1.4	11	<0.50	<0.20	<14.0	430	15	<2.0	10.9	530	8.1	11.3	555	6.9
3/6/2007	13:00	40,310	Meter not working		0		<1.4	11	<0.50	<0.20	<11.2	390	12	<1.6	11.0	544	7.8	11.1	854	6.3
3/16/2007	13:15	54,725	66,439,464	18.5	26,625	1,433,795	*Meter fixed by shutting down pump for several seconds and then re-starting it.													
4/5/2007	15:15	28,920	67,185,493	25.8	37,147	746,029	<1.4	17	<0.50	<0.20	<14.0	590	20	2.7	12.1	500	7.3	12.3	600	6.3
5/4/2007	12:26	41,591	68,260,164	25.8	37,208	1,074,671	<1.4	15	<0.75	<0.20	<1.4	43	1.3	<0.20	12.4	530	8.0	11.9	550	7.1
6/8/2007	10:40	50,294	69,532,786	25.3	36,437	1,272,622	<1.4	12	<0.50	<0.20	<14.0	410	14	<2.0	15.0	680	8.0	12.9	1100	7.3
7/12/2007	16:30	49,310	70,758,251	24.9	35,787	1,225,465	<1.4	11	<0.50	<0.20	<14.0	320	11	<2.0	14.9	520	8.1	15.4	560	7.2
8/10/2007	7:53	41,243	71,795,590	25.2	36,219	1,037,339	<1.4	13	<0.50	<0.20	<1.4	78	3.2	0.54	13.8	1097	7.0	12.0	1096	7.2
9/10/2007	12:00	44,887	72,931,898	25.3	36,453	1,136,308	*System shut down due to power outage.													
9/14/2007	13:10	5,830	72,931,898	0.0	0	1,136,308	*System re-started by GeoTrans personnel at 13:10.													
9/14/2007	14:00	50	72,933,141	24.9	35,798	1,137,551	<1.4	14	<0.50	<0.20	<7.0	500	20	<1.0	12.6	610	7.9	12.9	600	7.2
10/12/2007	15:50	40,430	73,936,118	24.8	35,723	1,002,977	<1.4	9.6	<0.50	<0.20	<14.0	340	12	<2.0	12.8	1125	6.9	12.4	1121	6.8
11/9/2007	9:50	39,960	74,908,049	24.3	35,025	971,931	<1.4	9.6	<0.50	<0.20	<7.0	360	14	<1.0	11.3	1027	8.3	11.3	1047	7.6
12/14/2007	9:55	50,405	76,141,699	24.5	35,244	1,233,650	<1.4	9.1	<0.50	<0.20	11.2	400	13	<1.6	11.1	1556	7.2	9.9	1590	6.8
12/23/2007	11:21	13,046	76,458,712	24.3	34,991	317,013	*Automatic shut down of system due to Alarm Condition 3; low blower pressure.													
12/28/2007	11:32	7,211	76,458,712	0.0	0	317,013	*Re-start system after removing dead bird from blower motor air filter housing and installing new air filter.													
12/28/2007	11:43	11	76,458,966	23.1	33,251	317,267														
1/10/2008	9:30	38,855	76,911,139	19.8	28,516	769,440	<1.4	9.3	<0.50	<0.20	<14.0	460	15	<2.0	11.7	1060	7.7	12.9	550	7.3
1/18/2008	14:00	30,377	77,196,961	24.3	34,984	1,055,262														
1/29/2008	19:38	16,178	77,586,885	24.1	34,707	1,128,173	*Automatic shut down of system due to Alarm Condition 3; low blower pressure.													
1/31/2008	9:34	2,276	77,586,885	0.0	0	1,127,919	*Re-start system after clearing ice build up on air stripper exhaust pipe and cleaning blower air filter.													
1/31/2008	9:41	7	77,587,071	26.6	38,263	1,128,105														
1/31/2008	10:12	31	77,587,834	24.6	35,443	1,128,868														
2/15/2008	10:18	40,098	78,112,699	22.8	32,886	915,738	<1.4	7.9	<0.50	<1.6	<11.2	390	13	<1.6	11.2	1051	8.0	11.2	1053	7.3
2/22/2008	13:46	10,288	78,361,834	24.2	34,871	1,164,873														
3/7/2008	14:41	20,215	78,848,298	24.1	34,653	735,599	*Installed new air flow meter on air stripper blower motor.													
3/14/2008	13:50	40,532	79,089,140	24.1	34,690	976,441	<1.4	9.4	<0.50	<1.6	<14	430	14	<2.0	13.8	1253	7.0	12.7	1292	7.0
3/28/2008	14:25	20,195	79,567,684	23.7	34,122	1,205,850														
4/17/2008	16:00	28,895	80,245,393	23.5	33,774	1,156,253	*System automatically shut down due to high water level in air stripper sump alarm condition.													
4/22/2008	11:08	6,908	80,245,393	0.0	0	1,156,253	*System re-started by GeoTrans personnel at 11:08.													
4/22/2008	11:29	21	80,245,887	23.5	33,874	1,156,747														
5/6/2008	12:40	20,231	80,732,090	24.0	34,607	486,697														
5/19/2008	6:00	18,320	81,171,625	24.0	34,549	926,232	*Pump in extraction well stopped operating sometime on 5/19/2008.													
5/21/2008	14:30	3,390	81,171,625	0.0	0	926,232	*Could not get pump in extraction well to start. Schedule an electrician to check system components.													
5/23/2008	9:00	2,550	81,171,625	0.0	0	926,232	*Electrician found breakers in pump controll box were tripped. Pushed two red re-set buttons on box and pump in extraction													
5/23/2008	9:50	50	81,171,625	0.0	0		*was able to be re-started, but pump shut down after operating for 5 minutes. Pushed re-set buttons and re-started pumps.													
5/23/2008	10:43	53	81,172,530	17.1	24,589		*Pump was drawing approx. 35 amps. Pump motor is mostl likely starting to fail. Pump shut down after 15 minutes.													

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
5/23/2008	11:20	37	81,173,424	24.2	34,794		Re-started pump at 10:25. Pump was still operating after one hour of operation. Leave site at 11:35 with system operating													
5/24/2008	20:20	1,980	81,221,083	24.1	34,661		*Pump in extraction well not operating when system checked on 5/29/2008. Based on previous pumping rate, pump													
5/29/2008	20:20	7,200	81,221,083	0.0	0	488,993	stopped operating sometime on 5/24/2008. Could not re-start pump on 5/29/2008. New pump needs to be installed.													
6/11/2008	10:45	18,145	81,221,083	0.0	0	488,993	*Installed new 4-inch, 2-wire, Sta-Rite Signature 2000 Series 30 gpm pump, pump wiring and 1.25-inch diameter PVC													
6/11/2008	11:05	20	81,221,083	0.0	0	488,993	discharge pipe in extraction well. Re-start pumping from extraction well at 11:05. Collect influent and effluent samples for													
6/11/2008	11:28	23	81,221,754	29.2	42,010	489,664	WPDES permit.													
6/11/2008	12:00	32	81,222,678	28.9	41,580	490,588	<1.4	17	<0.50	<0.20	<17	550	21	<2.0	15.3	1216	8.1	13.7	1242	7.0
6/11/2008	13:15	75	81,224,676	26.6	38,362	3,593														
6/11/2008	13:32	17	81,225,126	26.5	38,118	4,043														
6/12/2008	19:55	1,823	81,272,510	26.0	37,429	51,427	*System automatically shut down due to high water level in air stripper sump alarm condition. Cause of alarm condition													
6/13/2008	10:12	857	81,272,510	0.0	0	51,427	most likely from high water level in storm sewer due to heavy thunderstorms. System re-started by GeoTrans personnel													
6/13/2008	10:56	44	81,273,682	26.6	38,356	52,599	at 10:12.													
7/1/2008	13:13	26,057	81,961,999	26.4	38,039	740,916	*Check system and re-fill AquaMag solution 35-gallon chemical tank.													
7/1/2008	13:45	32	81,962,844	26.4	38,025	741,761														
7/1/2008	13:48	3	81,962,924	26.7	38,400	741,841														
7/8/2008	2:00	9,372	82,204,667	25.8	37,144	983,584	*System automatically shut down due to high blower pressure in air stripper alarm condition.													
7/22/2008	15:35	20,975	82,204,667	0.0	0	983,584	*Re-start system and re-fill AquaMag solution 35-gallon chemical tank.													
8/5/2008	16:10	20,195	82,738,908	26.5	38,094	1,517,825	*Check system and re-fill AquaMag solution 35-gallon chemical tank.													
8/12/2008	14:06	9,956	82,994,300	25.7	36,939	789,633	*Check system and re-fill AquaMag solution 35-gallon chemical tank.													
8/25/2008	7:30	18,324	83,464,349	25.7	36,939	1,259,682	*System automatically shut down due to high blower pressure in air stripper alarm condition.													
8/25/2008	10:35	185	83,469,094	25.7	36,939	1,264,427	*Re-start system and re-fill AquaMag solution 35-gallon chemical tank.													
9/30/2008	17:59	52,284	84,580,466	21.3	30,609	1,111,372														
9/30/2008	18:02	3	84,580,555	29.7	42,720	1,111,461	<1.7	14	<0.50	<0.20	<1.7	400	17	<0.20	12.3	971.0	7.6	12.5	955.0	6.8
10/7/2008	13:54	9,832	84,861,202	28.5	41,104	280,647	*Check system. Chemical pump for AquaMag solution needed to be primed as it wasn't pumping solution.													
10/13/2008	13:00	8,586	85,105,948	28.5	41,048	525,393	*System shut down due to power outage.													
10/14/2008	15:36	1,596	85,105,948	0.0	0	525,393	*System re-started by GeoTrans personnel at 15:36.													
10/14/2008	15:53	17	85,106,438	28.8	41,506	525,883														
10/14/2008	16:03	10	85,106,727	28.9	41,544	526,172														
10/21/2008	15:02	10,019	85,396,242	28.9	41,611	815,687														
11/11/2008	14:16	30,194	86,253,858	28.4	40,901	857,616	*Check system and re-fill AquaMag solution 35-gallon chemical tank.													
11/18/2008	14:21	10,085	86,536,601	28.0	40,372	1,140,359	*Check system and re-fill AquaMag solution 35-gallon chemical tank.													
12/5/2008	10:12	24,231	87,216,496	28.1	40,405	962,638	<1.7	10	<0.50	<0.20	<6.8	330	15	<2.0	10.9	1150	7.2	10.9	1180	6.3
12/30/2008	14:43	36,271	87,283,200	1.8	2,648	66,704	*Flow meter was not operating upon arrival. Turned off pump at 14:43 to back-flush water through meter.													
12/30/2008	14:44	1	87,283,200	0.0	0	1,019,215	*Meter began operating after system was re-started at 14:44.													
12/30/2008	14:45	1	87,283,228	28.0	40,320	1,019,243	*Based on 28.1 gpm flow rate, 1,019,215 was pumped between 12/5/2008 and 12/30/2008.													
12/30/2008	14:55	10	87,283,515	28.7	41,328	1,019,530	*Re-filled AquaMag solution tank.													
1/6/2009	16:15	10,160	87,355,248	7.1	10,167	274,293	*Flow meter was not operating upon arrival. Turned off pump at 16:14 to back-flush water through meter in order to get meter to work.													

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Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
1/6/2009	16:20	5	87,355,383	27.0	38,880	274,428	*Meter began operating after pump was re-started at 16:15. Based on 27 gpm flow rate, 274,293 gallons was pumped between 12/302008 and 1/6/2009.													
1/13/2009	9:39	9,679	87,423,489	7.0	10,133	547,375	*Flow meter was not operating upon arrival. Turned off pump at 9:38 to back-flush water through meter in order to get meter to work. Re-started pump at 9:39.													
1/13/2009	10:05	26	87,424,222	28.2	40,597	548,108	*Meter began operating after pump was re-started. Based on 28.2 gpm flow rate, 272,947 gallons was pumped between 1/6/2009 and 1/13/2009.													
1/27/2009	15:42	20,497	87,489,126	3.2	4,560	1,128,173	*Flow meter was not operating upon arrival. Turned off pump at 15:40 to back-flush water through meter in order to get meter to work. Re-started pump at 15:42.													
1/27/2009	15:54	12	87,489,465	28.3	40,680	1,128,512	*Meter began operating after pump was re-started. Based on 28.3 gpm flow rate, 580,065 gallons was pumped between 1/13/2009 and 1/27/2009.													
2/4/2009	14:50	11,456	87,813,655	28.3	40,750	324,190	*Check system and re-filled AquaMag solution tank.													
2/17/2009	12:28	18,578	88,334,751	28.0	40,391	845,286	*Check system and re-filled AquaMag solution tank.													
3/5/2009	13:30	23,102	88,978,513	27.9	40,127	1,164,858	<1.7	12	<0.50	<0.20	<6.8	320	11	<2.0	12.6	1068	8.0	12.0	1151	7.0
3/29/2009	13:55	34,585	89,946,880	28.0	40,319	1,612,129	*System was off when it was checked on 4/9/2009. Based on flow rate of 28 gpm, system shut down at 13:55 on 3/29/2009.													
4/9/2009	13:14	15,799	89,946,880	0.0	0	2,457,415	*System must have experienced a power outage on 3/29/2009 as system was able to be re-started on 4/9/2009.													
4/9/2009	13:43	29	89,947,689	27.9	40,171	2,458,224	*Re-filled AquaMag solution tank.													
4/29/2009	15:39	28,916	90,758,034	28.0	40,355	811,154	*Check system and re-filled AquaMag solution tank.													
5/15/2009	14:39	22,980	91,402,053	28.0	40,356	644,019	*Check system and re-filled AquaMag solution tank.													
5/20/2009	14:25	7,186	91,602,975	28.0	40,263	844,941	*Water meter was not operating when arrived on site on 6/11/2009. Based on flow rate of 28 gpm, water meter stopped operating on 05/20/09 and 1,088,864 gallons was pumped between 5/15/2009 and 6/11/2009.													
6/11/2009	14:47	31,702	91,602,975	0.0	0	1,289,786	Turned off pump for several seconds. Meter began operating after pump was re-started. Collected quarterly influent and effluent samples.													
6/11/2009	14:59	12	91,603,311	28.0	40,320	1,290,122	<1.7	15	<0.50	<0.20	<8.5	330	11	<2.5	13.4	1141	8.25	11.6	1165	7.34
6/11/2009	15:09	10	91,603,593	28.2	40,608	1,290,404														
6/30/2009	14:40	27,331	92,363,158	27.8	40,020	1,849,047	*Checked system and re-filled AquaMag solution tank.													
7/14/2009	13:27	20,087	92,919,995	27.7	39,919	1,316,402	*Checked system and re-filled AquaMag solution tank.													
7/21/2009	12:57	10,050	93,195,275	27.4	39,443	832,117	*Checked system and re-filled AquaMag solution tank.													
9/15/2009	15:00	80,763	95,425,708	27.6	39,769	1,252,857														
9/15/2009	15:10	10	95,425,984	27.6	39,744	1,252,995	<1.7	13	<0.50	<0.20	<8.5	260	11	<1.0	14.0	550	8.06	16.1	580	7.15
10/16/2009	15:16	44,646	96,587,301	26.0	37,457	1,161,317	*Checked system and re-filled AquaMag solution tank.													
10/16/2009	15:20	4	96,587,405	26.0	37,440	1,161,421														
11/18/2009	14:33	47,473	97,883,783	27.3	39,323	1,296,378	*Checked system and re-filled AquaMag solution tank.													
11/18/2009	14:37	4	97,883,893	27.5	39,600	1,296,488														
12/22/2009	12:34	48,837	99,198,582	26.9	38,765	1,314,689	*Checked system and re-filled AquaMag solution tank.													
12/22/2009	12:50	16	99,199,016	27.1	39,060	1,315,123	<1.7	6.5	<0.50	<0.20	<8.5	280	12	2.2	10.7	1024	7.70	10.6	1032	6.46
1/19/2010	15:01	40,451	100,284,128	26.8	38,628	1,085,112	*Checked system and re-filled AquaMag solution tank.													
2/16/2010	15:43	40,362	101,358,823	26.6	38,342	1,074,695	*Checked system and re-filled AquaMag solution tank.													
3/2/2010	15:45	20,162	101,891,056	26.4	38,013	532,233	<1.7	9.3	<0.50	<0.20	<8.5	240	8.4	1.5	12.8	1140	8.30	11.1	1160	7.58

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
5/13/2010	10:45	103,380	104,612,600	26.3	37,909	1,137,267	<1.7	10	<0.50	<0.20	<6.8	280	8.4	<0.80	13.0	1110	8.53	13.3	1140	7.69
7/13/2010	15:21	88,116	106,744,159	24.2	34,834	1,065,780	*Checked system and re-filled AquaMag solution tank.													
7/13/2010	15:29	8	106,744,369	26.3	37,800	1,065,885														
8/3/2010	0:05	29,316	107,513,978	26.3	37,803	1,171,897	*Checked system; water meter was not recording flow. Based on pumping rate from 7/13/2010, meter stopped recording													
8/3/2010	15:40	935	107,513,978		0	0	*flow on 8/3/2010 about 0:05. Turn off pump at 15:40. Re-fill AquaMag solution tank and replace air stripper blower motor													
8/3/2010	16:05	25	107,513,978	0.0	0	0	*air filter. Re-start system at 16:05 and the water meter began recording flow again.													
8/3/2010	16:30	25	107,514,625	25.9	37,267	1,155,283	*Based on estimated time when meter stopped operating, 24,544 gallons was pumped between 0:05 and 15:40.													
8/24/2010	11:05	29,915	108,300,567	26.3	37,832	1,172,805	*Checked system and re-filled AquaMag solution tank.													
9/14/2010	13:34	30,389	109,102,066	26.4	37,979	1,139,385	<1.7	8.1	<0.50	<0.20	<6.8	280	10	<0.80	14.2	1028	7.05	13.9	1041	6.32
11/2/2010	13:46	70,572	110,925,740	25.8	37,212	1,116,345	*Took delivery of AquaMag solution. Re-filled AquaMag solution tank and measured system pumping rate.													
11/2/2010	13:52	6	110,925,896	25.9	37,320	1,119,600	*Checked system and re-filled AquaMag solution tank.													
12/14/2010	11:35	60,343	112,490,077	25.9	37,327	1,157,136	<1.7	5.8	<0.50	<0.20	<8.5	270	9.5	<1.0	8.1	1080	8.10	8.5	1160	8.05
12/21/2010	15:18	10,303	112,754,580	25.7	36,968	1,146,017	*Checked system and re-filled AquaMag solution tank.													
1/12/2011	14:41	31,643	113,568,392	25.7	37,035	1,148,076	*Checked system and re-filled AquaMag solution tank.													
3/8/2011	14:40	79,199	115,556,814	25.1	36,154	1,120,761	<1.7	6.3	<0.50	<0.20	<6.8	260	<2.0	<0.80	11.3	1110	7.79	11.8	1320	7.14
4/5/2011	15:51	40,391	116,563,364	24.9	35,885	1,076,551	*Checked system and re-filled AquaMag solution tank.													
5/12/2011	14:48	53,217	117,881,395	24.8	35,665	1,105,604	*Checked system and re-filled AquaMag solution tank.													
6/7/2011	15:47	37,499	118,824,863	25.2	36,230	1,086,904	<1.7	8.9	<0.50	<0.20	<6.8	270	8.7	<0.80	14.7	360	8.53	14.6	200	7.68
6/23/2011	14:50	22,983	119,407,548	25.4	36,508	1,131,752	*Checked system and re-filled AquaMag solution tank.													
7/5/2011	16:07	17,357	119,833,957	24.6	35,376	1,096,670	*Checked system and re-filled AquaMag solution tank.													
7/11/2011	11:30	8,363	120,043,359	25.0	36,056	1,117,745	*System shut down due to power outage caused by a thunderstorm.													
7/11/2011	14:13	163	120,043,359	0.0	0	0	*Re-start system.													
7/11/2011	14:35	22	120,043,873	23.4	33,644	1,042,953	*Installed new air filter on air stripper blower and re-filled AquaMag solution tank.													
7/11/2011	14:42	7	120,044,045	24.6	35,383	1,096,869														
7/14/2011	15:22	4,360	120,151,833	24.7	35,600	1,103,591	*Checked system and re-filled AquaMag solution tank.													
9/20/2011	16:23	97,981	122,553,614	24.5	35,298	1,058,950	<1.7	5.2	<0.50	<0.20	<6.8	230	8.0	<0.80	14.4	1120	7.79	14.1	1130	7.59
10/18/2011	13:16	40,133	123,526,429	24.2	34,905	1,082,064	*Checked system and re-filled AquaMag solution tank.													
10/25/2011	15:38	10,222	123,773,441	24.2	34,797	1,078,714	*Checked system and re-filled AquaMag solution tank.													
12/13/2011	15:48	70,570	125,452,104	23.8	34,254	1,061,861	<1.7	5.2	<0.50	<0.20	<3.4	260	7.6	0.56	11.0	952	8.24	11.0	1046	7.82
12/27/2011	13:30	20,022	125,932,048	24.0	34,518	1,070,058	*Checked system and re-filled AquaMag solution tank.													
3/16/2012	12:30	115,140	128,641,677	23.5	33,888	1,050,528	<1.7	6.9	<0.50	<0.20	<3.4	240	6.1	0.46	15.4	1072	8.20	13.1	1092	7.50
4/17/2012	8:35	45,845	129,704,148	23.2	33,372	1,001,172	*System shut down due to blown fuse caused by plugging transfer pump into outlet inside building.													
4/17/2012	8:51	16	129,704,148	0.0	0	0	*Installed 2 new 5-amp fuses inside control panel and re-start system.													
4/17/2012	9:16	25	129,704,764	24.6	35,482	1,064,448	*Accepted delivery of 55-gallons of AquaMag. Re-filled AquaMag solution tank.													
5/1/2012	14:45	20,489	130,179,641	23.2	33,375	1,001,254	*Checked system and re-filled AquaMag solution tank.													
5/8/2012	4:00	9,435	130,396,553	23.0	33,106	993,174	*Remediation system was shut down upon arrival on 5/10/2012. Based on previous pumping rate, system shut down													
5/10/2012	18:10	3,730	130,396,553	0.0	0	0	*about 4:00 on Tuesday, 5/8/2012. Re-started system at 18:10 on 5/10/2012.													
5/10/2012	18:30	20	130,397,005	22.6	32,544	976,320														

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
6/12/2012	10:56	47,066	131,456,906	22.5	32,428	972,841	<0.382	4.6	<0.20	<0.10	<0.382	320	8.9	<0.10	13.8	980	7.70	13.5	981	7.20
8/20/2012	23:50	100,134	133,696,649	22.4	32,209	998,483	*Remediation system was shut down upon arrival on 8/21/2012. Based on previous pumping rate, system shut down													
8/21/2012	14:08	858	133,696,649	0.0	0	0	*about 23:50 on Monday, 8/20/2012. Re-started system at 14:08 on 8/21/2012.													
8/21/2012	14:38	30	133,697,300	21.7	31,272	969,432														
8/26/2012	6:40	6,722	133,847,215	22.3	32,115	995,564	*Remediation system was shut down upon arrival on 8/27/2012. Based on previous pumping rate, system shut down													
8/27/2012	16:07	2,007	133,847,215	0.0	0	0	*about 6:40 on Sunday, 8/26/2012. Re-started system at 16:07 on 8/27/2012.													
8/27/2012	16:23	16	133,847,556	21.3	30,690	951,390														
9/11/2012	16:55	21,632	134,324,160	22.0	31,727	951,799	<0.382	4.5	<0.20	<0.10	<0.382	210	7.5	<0.10	16.6	1052	8.35	16.4	1072	7.41
9/18/2012	13:46	9,891	134,539,800	21.8	31,394	941,831	*Checked system and re-filled AquaMag solution tank.													
9/18/2012	14:10	24	134,540,321	21.7	31,260	937,800														
9/25/2012	14:25	10,095	134,761,413	21.9	31,538	946,129	*Remediation system was shut down upon arrival on 10/9/2012. Based on previous pumping rate, system shut down													
9/30/2012	8:00	6,815	134,909,175	21.7	31,222	936,655	*Remediation system was shut down upon arrival on 10/9/2012. Based on previous pumping rate, system shut down													
10/9/2012	10:50	13,130	134,909,175	0.0	0	0	*about 8:00 on Sunday, 9/30/2012. Re-started system at 10:50 on 9/30/2012.													
10/23/2012	14:00	20,350	135,351,126	21.7	31,273	969,470	*Checked system and re-filled AquaMag solution tank.													
10/26/2012	12:35	4,235	135,443,460	21.8	31,396	973,268	*Checked system and re-filled AquaMag solution tank.													
11/20/2012	14:36	36,121	136,223,683	21.6	31,104	933,131	*Checked system, took delivery of AquaMag and re-filled AquaMag solution tank.													
11/29/2012	11:35	12,779	136,498,176	21.5	30,931	927,936	*Turn pump off to discharge purge water through air stripper.													
11/29/2012	13:25	110	136,498,176	0.0	0	0	*Re-start pump.													
11/29/2012	13:50	25	136,498,719	21.7	31,277	938,304														
12/4/2012	15:39	7,309	136,658,144	21.8	31,409	973,694	<0.382	3.3	<0.20	<0.10	<0.382	240	6.0	0.47	12.6	1130	8.18	12.6	1140	7.15
1/15/2013	13:00	60,321	137,967,748	21.7	31,263	969,160	*Checked system and re-filled AquaMag solution tank.													
2/19/2013	15:15	50,535	139,043,220	21.3	30,646	858,079	*Checked system and re-filled AquaMag solution tank.													
3/12/2013	14:00	30,165	139,677,668	21.0	30,287	938,895	<0.382	2.8	<0.20	<0.10	<0.382	290	6.3	0.51	9.4	1056	7.80	9.5	1061	7.57
5/15/2013	12:52	92,092	141,585,353	20.7	29,830	924,717	*Checked system and re-filled AquaMag solution tank.													
5/21/2013	16:08	8,836	141,765,977	20.4	29,436	912,523	*Checked system and re-filled AquaMag solution tank.													
5/28/2013	15:24	10,036	141,971,737	20.5	29,523	915,218	*Checked system and re-filled AquaMag solution tank.													
6/4/2013	13:30	9,966	142,202,858	23.2	33,395	1,001,849	*Turn off system to connect hose to pump purge water from monitor wells through air stripper.													
6/4/2013	14:45	75	142,202,858	0.0	0	0	*Re-start system.													
6/4/2013	14:55	10	142,203,064	20.6	29,664	889,920														
6/10/2013	13:20	8,545	142,350,452	17.2	24,838	745,133	*Turn off system to clean air stripper blower air filter and replace influent line particulate filters.													
6/10/2013	14:30	70	142,350,452	0.0	0	0	*Re-start system.													
6/11/2013	16:10	1,540	142,382,745	21.0	30,196	905,882	<0.382	3.2	<0.20	<0.10	<0.382	290	5.9	<0.10	15.2	1009	8.01	14.0	1040	7.80
7/23/2013	14:01	60,351	143,615,520	20.4	29,415	882,436	*Checked system and re-filled AquaMag solution tank. Install new transfer pump in white 55-gallon Aqua Mag drum.													
8/6/2013	13:19	20,118	144,021,335	20.2	29,047	900,466	*Checked system and re-filled AquaMag solution tank.													
8/20/2013	15:00	20,261	144,432,047	20.3	29,190	904,900	*Checked system and re-filled AquaMag solution tank.													
9/3/2013	14:15	20,115	144,838,373	20.2	29,088	872,646	*Checked system and re-filled AquaMag solution tank.													
9/17/2013	15:10	20,215	145,247,795	20.3	29,165	874,946	<0.382	1.9	<0.20	<0.10	<0.382	190	6.4	<0.10	15.1	980	8.31	12.9	1002	7.71
10/1/2013	13:35	20,065	145,654,563	20.3	29,192	904,965	*Checked system and re-filled AquaMag solution tank. Adjust chemical pump settings.													

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
10/11/2013	16:00	14,545	145,949,637	20.3	29,213	905,610	*System was off when it was checked on 10/15/2013. Based on flow rate of 20.3 gpm, system shut down at 14:00 on 10/11/2013. System would not re-start when red re-set button on outside of panel pushed.*													
10/16/2013	15:19	7,159	145,949,637	0.0	0	0	*Open control panel and check fuses and pump motor and air stripper blower motor circuit protectors. Blower motor circuit protector was tripped. Push green re-set button on blower motor circuit protector. Re-start system at 15:19.													
10/16/2013	15:58	39	145,950,444	20.7	29,797	923,705	*Re-fill AquaMag solution tank and adjust chemical pump settings.													
10/29/2013	15:20	18,682	146,337,440	20.7	29,829	924,714	*Re-fill AquaMag solution tank and adjust chemical pump settings.													
11/12/2013	10:00	19,840	146,743,824	20.5	29,496	884,868	<0.382	1.7	<0.20	<0.10	<0.382	190	6.5	<0.10	11.0	985	8.05	10.5	993	7.45
12/10/2013	15:47	40,667	147,566,271	20.2	29,122	902,797	*Checked system and re-filled AquaMag solution tank.													
12/24/2013	14:41	20,094	147,967,103	19.9	28,725	890,472	*Checked system and re-filled AquaMag solution tank. Adjust chemical pump settings.													
1/14/2014	15:35	30,294	148,570,781	19.9	28,695	889,555	*Checked system and re-filled AquaMag solution tank.													
2/19/2014	15:47	51,852	149,590,146	19.7	28,309	792,656	*Checked system and re-filled AquaMag solution tank.													
3/4/2014	15:10	18,683	149,952,082	19.4	27,896	864,787	<0.382	1.4	<0.20	<0.10	5.140	190	5.4	<0.10	8.4	1151	7.77	10.3	1039	7.83
4/29/2014	13:40	80,550	151,479,924	19.0	27,313	819,401	*Checked system and re-filled AquaMag solution tank.													
5/13/2014	15:40	20,280	151,851,899	18.3	26,412	818,785	<0.382	1.8	<0.20	<0.10	<0.382	210	6.1	0.14						
5/20/2014	0:00	9,140	152,019,554	18.3	26,414	818,831	*System off upon arrival on 5/27/2014. Based on 18.3 gpm pumping rate, system shut down about 12:00 am on 5/20/2014.													
5/27/2014	11:04	10,744	152,019,554	0.0	0	0	*Re-start system at 11:04.													
5/27/2014	11:16	12	152,019,776	18.5	26,640	825,840	*Re-fill AquaMag solution tank.													
6/3/2014	14:53	10,297	152,218,844	19.3	27,839	863,008	*Checked system and re-filled AquaMag solution tank.													
6/17/2014	14:34	20,141	152,597,258	18.8	27,055	838,707	*Checked system and re-filled AquaMag solution tank.													
6/24/2014	13:59	10,045	152,783,554	18.5	26,706	827,900	*Checked system, re-filled AquaMag solution tank and replaced batteries in autodialer.													
6/24/2014	14:22	23	152,783,977	18.4	26,483	820,988														
7/1/2014	13:33	10,031	152,971,570	18.7	26,930	834,827	*Checked system and re-filled AquaMag solution tank.													
7/6/2014	6:00	6,747	153,098,386	18.8	27,066	839,049	*System off upon arrival on 7/8/2014. Based on 18.7 gpm pumping rate, system shut down about 6:00 am on 7/6/2014.													
7/22/2014	15:45	23,625	153,471,004	15.8	22,712	704,071	*Checked system and re-filled AquaMag solution tank.													
8/19/2014	14:15	40,230	154,191,897	17.9	25,804	799,917	*Checked system and re-filled AquaMag solution tank.													
9/2/2014	15:40	20,245	154,554,516	17.9	25,793	773,778	<0.382	1.3	<0.20	<0.10	<0.382	190	6.6	<0.10	13.7	1011	7.91	11.4	1080	7.10
9/23/2014	14:28	30,168	155,095,645	17.9	25,830	774,886	*Checked system and re-filled AquaMag solution tank.													
10/10/2014	18:00	24,692	155,538,075	17.9	25,802	774,055	*System off when checked on 10/14/2014. Based on 17.9 gpm pumping rate , system shut down about 18:00 on													
10/14/2014	14:35	5,555	155,538,075	0.0	0	0	*10/10/2014. Air stripper blower motor could not be re-started. Motor checked by electrician on 10/21/2014 and													
10/22/2014	10:00	11,245	155,538,075	0.0	0	0	*mechanical contractor on 10/24/2014. The mehcanical contactor determined the blower motor needs to be replaced.													
10/24/2014	9:50	2,870	155,538,075	0.0	0	0	*A new blower motor could not be found that could be connected to the existing fan of the air stripper so a new blower													
1/1/2015	0:00	98,770	155,538,075	0.0	0	0	*motor and fan was ordered by the mechanical contractor.													
1/20/2015	13:00	28,140	155,538,075	0.0	0	0	*New blower motor and fan installed on air stripper.													
1/27/2015	12:30	10,050	155,583,147	4.5	6,458	200,200														
1/27/2015	12:40	10	155,583,343	19.6	28,224	874,944	<0.382	1.9	<0.20	<0.10	<0.382	200	7.9	<0.10	10.5	1032	8.61	11.2	1085	7.85
2/24/2015	13:40	40,380	156,373,455	19.6	28,176	788,938	*Checked system and re-filled AquaMag solution tank.													
3/25/2015	16:10	41,910	157,182,229	19.3	27,789	861,457	*Checked system and re-filled AquaMag solution tank.													
4/21/2015	15:45	38,855	157,921,041	19.0	27,381	821,430	*Checked system and re-filled AquaMag solution tank.													
4/22/2015	9:25	1,060	157,941,218	19.0	27,410	822,308	*System off upon arrival for AquaMag delivery on 4/28/2014. Based on 19 gpm pumping rate , system shut down about													

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Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
4/28/2015	8:10	8,565	157,941,218	0.0	0	0	*9:25 on 4/22/2015. Re-start sysetm at 8:10 on 4/28/2014.													
4/28/2015	8:30	20	157,941,590	18.6	26,784	803,520														
5/13/2015	15:50	22,040	158,380,884	19.9	28,702	889,750	<0.382	2.2	<0.20	<0.10	<0.382	180	6.6	<0.10	12.0	1003	8.05	11.1	996	7.39
6/16/2015	14:15	48,865	159,346,034	19.8	28,442	853,259	*Checked system and re-filled AquaMag solution tank.													
7/7/2015	17:16	30,421	159,939,007	19.5	28,069	870,133	*Checked system and re-filled AquaMag solution tank.													
7/21/2015	16:48	20,132	160,324,360	19.1	27,563	854,468	*Checked system and re-filled AquaMag solution tank.													
8/18/2015	16:07	40,279	161,082,590	18.8	27,107	840,323	*Checked system and re-filled AquaMag solution tank.													
9/1/2015	15:20	20,113	161,459,015	18.7	26,950	808,510	*Checked system and re-filled AquaMag solution tank.													
9/8/2015	13:16	9,956	161,644,406	18.6	26,814	804,429	*Checked system and re-filled AquaMag solution tank.													
9/15/2015	14:02	10,126	161,833,360	18.7	26,871	806,124	*Checked system, re-filled AquaMag solution tank and collected quarterly Influent and Effluent samples.													
9/15/2015	14:26	24	161,833,805	18.5	26,700	801,000	<0.382	1.7	<0.20	<0.10	<0.382	160	6.2	<0.10	15.3	1016	8.43	13.3	1056	7.29
9/22/2015	13:57	10,051	162,021,281	18.7	26,860	805,787	*Checked system and re-filled AquaMag solution tank.													
10/6/2015	13:34	20,137	162,400,590	18.8	27,124	840,858	*Checked system and re-filled AquaMag solution tank.													
10/27/2015	14:52	30,318	162,951,087	18.2	26,147	810,548	*Checked system and re-filled AquaMag solution tank.													
11/11/2015	12:35	21,463	163,350,606	18.6	26,805	804,138	<0.70	1.2	<0.38	<0.20	<0.70	150	5.0	<0.20	11.9	1007	7.73	11.0	994	7.03
12/8/2015	13:46	38,951	164,069,469	18.5	26,576	823,857	*Checked system and re-filled AquaMag solution tank.													
12/22/2015	14:16	20,190	164,438,403	18.3	26,313	815,711	*Checked system and re-filled AquaMag solution tank.													
1/6/2016	11:00	21,404	164,538,563	4.7	6,738	208,893	*Checked system and re-filled AquaMag solution tank. Flow meter not registering flow upon arrival at 10:30.													
1/6/2016	11:05	5	164,538,653	18.0	25,920	803,520	*Based on 18.gpm flow rate, meter stopped registering flow about 7:00 on 1/5/2016. 16,338 gallons not registered by meter.													
1/6/2016	11:15	10	164,538,832	17.9	25,776	799,056	*Turn pump off for several seconds to back-flush water through meter. Meter starts to register flow about 11:00.													
1/23/2016	21:47	25,112	164,988,575	17.9	25,790	799,479	*System shut down due to temporary power outage.													
1/25/2016	13:05	2,358	164,988,575	0.0	0	0	*System re-started by Tetra Tech personnel at 13:05. Also replaced air stripper blower motor air filter.													
1/25/2016	13:20	15	164,988,845	18.0	25,920	803,520														
2/3/2016	14:25	13,025	165,229,445	18.5	26,600	771,398	*Checked system and re-filled AquaMag solution tank.													
3/8/2016	14:50	48,985	166,110,103	18.0	25,888	802,543	<0.70	1.5	<0.38	<0.20	<0.70	160	5.9	<0.20	12.9	1058	8.23	12.1	1092	7.46
3/22/2016	13:55	20,105	166,471,513	18.0	25,886	802,454	*Checked system and re-filled AquaMag solution tank.													
4/5/2016	14:20	20,185	166,835,015	18.0	25,932	777,968	*Checked system and re-filled AquaMag solution tank.													
4/19/2016	13:09	20,089	167,022,312	9.3	13,426	402,769	*Checked system and re-filled AquaMag solution tank. Flow meter not registering flow upon arrival at 13:00. Based on													
4/19/2016	13:25	16	167,022,580	16.8	24,120	723,600	*18 gpm flow rate, meter stopped operating on 4/12/2016 at about 20:00. 174,042 gallon not registered by meter.													
4/19/2016	13:35	10	167,022,755	17.5	25,200	756,000	*Quickly turn EW-1 pump off and on to get flow meter to start registering flow. Flow meter starts working at 13:09.													
5/3/2016	9:50	19,935	167,041,546	0.9	1,357	40,721	*Checked system and re-filled AquaMag solution tank. Flow meter not registering flow. Basedon 17.5 gpm flow rate,													
5/3/2016	10:09	19	167,041,754	10.9	15,764	472,926	*meter stopped operating at about 7:35 on 4/20/2016. 330,072 gallons no registered by meter. Re-start meter by turning													
5/3/2016	10:15	6	167,041,863	18.2	26,160	784,800	*EW-1 pump off at 9:55 then on at 9:56. Meter starts registering flow again at 9:56.													
5/17/2016	14:35	20,420	167,400,087	17.5	25,262	757,849	<0.70	1.1	<0.38	<0.20	<0.70	170	5.4	<0.20	11.8	1104	8.38	11.6	1168	7.35
5/17/2016	16:05	90	167,400,087	0.0	0	0	*Shut system down at 14:35 to pump purge water from May sampling event through air stripper. Re-start system at 16:05.													
5/18/2016	11:25	1,160	167,420,607	17.7	25,473	764,193	*Shut system down at 11:25 to pump purge water from May sampling event through air stripper. Re-start system at 11:35.													
5/18/2016	11:35	10	167,420,607	0.0	0	0	*Fill AquaMag solution tank.													
5/18/2016	12:35	60	167,421,675	17.8	25,632	768,960														

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
5/31/2016	14:55	18,860	167,757,965	17.8	25,676	770,293	*Checked system and re-filled AquaMag solution tank.													
6/2/2016	8:00	2,465	167,775,754	7.2	10,392	311,759	*Shut system down at 8:00 to install new pump in extraction well.													
6/2/2016	9:45	105	167,775,754	0.0	0	0	*Re-start system at 9:45.													
6/2/2016	10:15	30	167,776,462	23.6	33,984	1,019,520														
6/9/2016	11:04	10,129	168,015,783	23.6	34,023	1,020,700	*System shut down due to electrical power interruption. Main breaker switch on outside of remediation system building													
6/10/2016	14:43	1,659	168,015,783	0.0	0	0	*was turned to OFF position by unkown person. Main breaker switch turned back to ON and system re-started by													
6/10/2016	14:48	5	168,015,903	24.0	34,560	1,036,800	*Tetra Tech personnel at 14:43 on 6/10/2016.													
6/14/2016	14:20	5,732	168,150,078	23.4	33,708	1,011,228	*System shut down due to high air stripper sump water level and high blower pressure alarm condition.													
6/14/2016	15:09	49	168,150,078	0.0	0	0	*Alarm condition cleared and system re-started by Tetra Tech personnel at 15:09.													
6/20/2016	7:55	8,206	168,339,159	23.0	33,180	995,406	*System shut down due to power interruption. Main breaker switch on outside of remediation system building was turned													
6/20/2016	11:43	228	168,339,159	0.0	0	0	*to OFF position by Deerfield personnel. Main breaker switch turned back to ON and system re-started by Tt personnel.													
6/20/2016	11:58	15	168,339,277	7.9	11,328	339,840														
6/21/2016	13:00	1,502	168,374,139	23.2	33,423	1,002,689	*System shut down by Deerfield personnel so drainage ditch can be dredged.													
6/28/2016	15:07	10,207	168,374,139	0.0	0	0	*Re-started by Tetra Tech personnel. Re-filled AquaMag solution tank.													
6/28/2016	15:14	7	168,374,291	21.7	31,269	938,057														
6/29/2016	15:52	1,478	168,400,021	17.4	25,068	752,054	*Installed new batteries in autodialer and re-set autodialer time. Meter stopped registering flow about 15:53. Tapped on													
6/29/2016	16:04	12	168,400,187	13.8	19,920	597,600	*right side of meter for several seconds and meter started registering flow about 16:00.													
6/29/2016	16:06	2	168,400,234	23.5	33,840	1,015,200														
7/12/2016	14:32	18,626	168,816,188	22.3	32,158	964,738														
7/27/2016	6:29	21,117	169,300,697	22.9	33,039	991,182	*System shut down due to high air stripper sump water level and high blower pressure alarm condition.													
7/27/2016	14:26	477	169,300,697	0.0	0	0	*Re-started by Tetra Tech personnel. Checked outfall and monitored system for 15 minutes. System operating when													
7/27/2016	14:32	6	169,300,839	23.7	34,080	1,022,400	*left site.													
7/27/2016	14:40	8	169,301,026	23.4	33,660	1,009,800														
8/9/2016	16:00	18,800	169,343,033	2.2	3,218	96,527	*Shut system down to back-flush water through water meter because meter was registering very low flow.													
8/9/2016	16:05	5	169,343,033	0.0	0	0	*Re-start system at 16:05. Meter starts registering expected flow of 22-23 gpm.													
8/9/2016	16:25	20	169,343,491	22.9	32,976	989,280	*Add 388,513 to total system flow (based on 22.9 gpm pumping rate) to account for low recording by water meter.													
8/23/2016	14:15	20,030	169,775,330	21.6	31,046	931,375														
8/23/2016	14:25	10	169,775,555	22.5	32,400	972,000	<0.70	2.6	<0.38	<0.20	<0.70	150	6.6	<0.20	13.4	1125	8.42	11.8	1183	7.43
9/6/2016	14:35	20,170	170,230,470	22.6	32,478	974,335	*Checked system and re-filled AquaMag solution tank.													
9/20/2016	10:27	19,912	170,677,803	22.5	32,350	970,510	*Checked system and re-filled AquaMag solution tank.													
10/4/2016	10:29	20,162	171,128,120	22.3	32,162	997,032	*Checked system and re-filled AquaMag solution tank.													
10/15/2016	21:18	16,489	171,498,589	22.5	32,353	1,002,956	*System shut down caused by temporary power outage due to thunderstorm.													
10/17/2016	13:05	2,387	171,498,589	0.0	0	0	*Re-started by Tetra Tech personnel.													
10/17/2016	13:20	15	171,498,889	20.0	28,800	892,800	*Checked system and re-filled AquaMag solution tank.													
10/17/2016	13:35	15	171,499,215	21.7	31,296	970,176	*Checked system and re-filled AquaMag solution tank.													
11/8/2016	13:42	31,687	172,200,344	22.1	31,862	955,874	*Checked system and re-filled AquaMag solution tank.													
11/15/2016	9:19	9,817	172,415,952	22.0	31,626	948,789	*Took delivery of AquaMag and re-filled AquaMag solution tank.													
11/29/2016	13:10	20,391	172,858,517	21.7	31,254	937,610														

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
11/29/2016	13:15	5	172,858,626	21.8	31,392	941,760	<0.70	2.4	<0.38	<0.20	<0.70	160	5.9	<0.20	12.4	1048	8.26	12.9	1086	7.36
12/14/2016	11:20	21,485	173,324,838	21.7	31,247	937,415	*Checked system and re-filled AquaMag solution tank.													
12/27/2016	14:10	18,890	173,732,731	21.6	31,094	932,820	*Checked system and re-filled AquaMag solution tank.													
1/3/2017	18:40	10,350	173,956,212	21.6	31,093	963,883	*Automatic shut down of system due to Alarm Condition 2 (high sump water level) and 3 (high blower pressure).													
1/4/2017	10:27	947	173,956,212	0.0	0	0	*Clear alarms, re-set air stripper blower motor circuit breaker and re-start system at 10:27.													
1/4/2017	10:56	29	173,956,837	21.6	31,034	962,069	*Leave site at 11:05 with system operating.													
1/17/2017	13:20	18,864	174,355,515	21.1	30,433	943,436	*Checked system and re-filled AquaMag solution tank.													
1/31/2017	13:05	20,145	174,780,253	21.1	30,361	941,192	*Checked system and re-filled AquaMag solution tank.													
2/21/2017	13:55	30,290	175,420,587	21.1	30,442	943,695	*Checked system and re-filled AquaMag solution tank.													
3/1/2017	10:45	11,330	175,659,142	21.1	30,319	939,902	<0.70	2.1	<0.38	<0.20	<0.70	160	5.0	<0.20	12.0	1028	8.58	12.6	1036	7.78
3/14/2017	10:20	18,695	176,050,454	20.9	30,141	934,376	*Shut system down at request of Village of Deerfield for storm sewer maintenance.													
3/15/2017	13:50	1,650	176,050,454	0.0	0	0	*Re-start system.													
3/24/2017	9:58	12,728	176,324,574	21.5	31,013	961,401	*Autodialer called at 19:40 on 3/23/2017 for a high air stripper sump water level alarm condition most likely caused by													
3/24/2017	10:04	6	176,324,705	21.8	31,440	974,640	* temporary power interruption due to a thunderstorm. Remediation system was operating when system checked on													
3/24/2017	10:20	16	176,325,052	21.7	31,230	968,130	*3/24/2017. Re-filled AquaMag solution tank.													
4/25/2017	15:15	46,375	177,334,277	21.8	31,338	940,130	*Checked system and re-filled AquaMag solution tank.													
5/17/2017	15:15	31,680	178,012,676	21.4	30,836	955,926	<0.70	2.3	<0.38	<0.20	<0.70	140	5.2	<0.20	14.0	1060	8.23	13.0	1073	7.74
5/23/2017	14:55	8,620	178,188,662	20.4	29,399	911,371	*Checked system and re-filled AquaMag solution tank.													
6/22/2017	11:25	42,990	179,066,400	20.4	29,401	882,026	*Checked system and re-filled AquaMag solution tank.													
7/20/2017	12:05	40,360	179,762,500	17.2	24,836	745,082	*Checked system and re-filled AquaMag solution tank.Water meter stops registering every few seconds (starts & stops).													
7/20/2017	12:10	5	179,762,500	0.0	0	0	*Turned system on & off several times to back-flush water through meter. Meter would register flow for a few seconds													
7/20/2017	12:30	20	179,762,502	0.1	144	4,320	*then slow down and stop. Tapped outside of meter with a hammer but again would only register flow for a few seconds													
7/20/2017	12:40	10	179,762,502	0.0	0	0	*then stop. Adjust total system flow based on 20.4 gpm pumping rate. Meter not working at all when left site.													
8/8/2017	15:40	27,540	179,770,593	0.3	423	13,115	*Checked system and re-filled AquaMag solution tank. Meter not registering flow on arrival. Total system flow calculated based on 20.4 gpm pumping rate													
8/22/2017	10:00	19,820	179,772,335	0.1	127	3,923	*Site visit to meet with contractor about moving treatment system building. Fill AquaMag tank. Meter not working.													
8/23/2017	10:00	1,440	179,772,335	0.0	0	0	*Shut system down. Install new flow meter and hose connecting fow meter to air stripper and influent line.													
8/23/2017	17:05	425	0				*Replace particulate filters on influent line. Replace air filter on air stripper blower motor. Re-start at 17:05													
8/23/2017	17:10	5	98	19.6	28,224	874,944														
8/23/2017	17:30	20	492	19.7	28,368	879,408														
9/5/2017	14:35	18,545	361,428	19.5	28,026	840,789	*Checked system, re-filled AquaMag solution tank and collect quarterly WPDES samples.													
9/5/2017	14:40	5	361,525	19.4	27,936	838,080	<0.70	1.4	<0.38	<0.20	<0.70	130	5.2	<0.20	14.3	1023	8.08	15.1	1028	6.99
9/11/2017	11:43	8,463	523,610	19.2	27,579	827,375	*High air stripper sump water level and high blower pressure alarms called in by autodialer.													
9/11/2017	17:25	342	523,610	0.0	0	0	*Re-started by Tt personnel. Check outfall flow, blower motor air inlet and air stripper exhaust outlet; all are clear.													
9/11/2017	17:39	14	523,879	19.2	27,669	830,057	*Leave site at 17:40 with system operating.													
9/20/2017	8:40	12,421	758,963	18.9	27,254	817,618	*Checked system and re-filled AquaMag solution tank.													
10/3/2017	15:10	19,110	1,120,174	18.9	27,218	843,771	*Checked system and re-filled AquaMag solution tank.													
10/17/2017	15:00	20,150	1,496,534	18.7	26,896	833,782	*Checked system and re-filled AquaMag solution tank.													

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Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
10/26/2017	23:10	13,450	1,746,270	18.6	26,738	828,864	*High air stripper sump water level and high blower pressure alarms called in by autodialer.													
10/27/2017	10:45	695	1,746,270	0.0	0	0	*System re-started by Tetra Tech personnel.													
10/27/2017	11:05	20	1,746,634	18.2	26,208	812,448														
10/31/2017	12:13	5,828	1,852,897	18.2	26,256	813,929	*Checked system and re-filled AquaMag solution tank.													
11/15/2017	15:35	21,802	2,251,870	18.3	26,352	790,553	<0.70	1.4	<0.38	<0.20	<0.70	140	5.0	<0.20	12.7	1046	8.23	13.1	1044	7.25
11/15/2017	15:40	5	2,251,961	18.2	26,208	917,280	*Turn off extraction well. Pump purge water from monitor wells sampling round through air stripper.													
11/15/2017	16:05	25	2,251,961	0.0	0	0	*Re-start extraction well. AquaMag tank stirrer was not spinning; motor was very hot. Stirrer was un-plugged.													
11/16/2017	16:30	1,465	2,278,243	17.9	25,834	775,005	*Shut-down caused by temporary power outage.													
11/17/2017	8:30	960	2,278,243	0.0	0	0	*Re-start system.													
11/17/2017	8:35	5	2,278,333	18.0	25,920	777,600														
11/25/2017	15:20	11,925	2,490,844	17.8	25,662	769,851	*Shut-down caused by temporary power outage.													
11/27/2017	17:00	2,980	2,490,844	0.0	0	0	*Re-start system.													
11/27/2017	17:05	5	2,490,934	18.0	25,920	777,600														
11/28/2017	15:15	1,330	2,514,829	18.0	25,871	776,138	*Checked system and re-filled AquaMag solution tank. Adjusted chemical pump settings.													
12/15/2017	9:50	24,155	2,949,645	18.0	25,922	803,568	*Checked system and re-filled AquaMag solution tank. Adjusted chemical pump settings.													
12/26/2017	10:40	15,890	3,239,843	18.3	26,299	815,257	*Checked system and re-filled AquaMag solution tank. Adjusted chemical pump settings.													
1/9/2018	14:55	20,415	3,611,200	18.2	26,194	812,019	*Checked system and re-filled AquaMag solution tank.													
1/23/2018	15:20	20,185	3,975,274	18.0	25,973	805,165	*Checked system and re-filled AquaMag solution tank.													
2/6/2018	7:42	19,702	4,329,059	18.0	25,858	724,018	*Checked system and re-filled AquaMag solution tank. Took delivery of 55 gallons of AquaMag													
3/1/2018	11:40	33,358	4,925,789	17.9	25,760	798,550	<0.70	1.0	<0.38	<0.20	<0.70	180	4.8	<0.20	12.4	1010	8.28	13.3	1019	7.18
4/17/2018	15:35	67,915	6,123,272	17.6	25,390	761,706	*Checked system and re-filled AquaMag solution tank.													
5/3/2018	10:30	22,735	6,520,095	17.5	25,134	779,159	*Checked system and re-filled AquaMag solution tank.													
5/9/2018	10:10	8,620	6,670,741	17.5	25,166	780,144	<1.47	1.4	<0.37	<0.50	<1.47	190	5.0	<0.50	13.8	1037	8.17	13.3	1042	7.10
5/10/2018	14:25	1,695	6,700,258	17.4	25,076	777,368	*Turn off extraction well and run purge water from groundwater sampling through air stripper.													
5/10/2018	14:40	15	6,700,258	0.0	0	0	*Re-prime chemical feed pump and re-start extraction well at 14:40.													
5/22/2018	15:04	17,304	7,018,178	18.4	26,457	820,154	*Checked system and re-filled AquaMag solution tank. Increased AquaMag chemical feed pump stroke and speed													
5/22/2018	15:35	31	7,018,755	18.6	26,803	830,880	*settings because AquaMag usage was less than the target rate of 1 gallon per day.													
6/5/2018	16:15	20,200	7,403,213	19.0	27,407	849,614	*Checked system, re-filled AquaMag solution tank and adjusted AquaMag pump stroke & speed settings.													
6/27/2018	15:39	31,644	7,991,658	18.6	26,778	830,116	*Checked system, re-filled AquaMag solution tank and adjusted AquaMag pump speed setting.													
7/17/2018	15:39	28,800	8,517,546	18.3	26,294	815,126	*Checked system, re-filled AquaMag solution tank and adjusted AquaMag pump Stroke setting.													
8/21/2018	14:02	50,303	9,411,621	17.8	25,594	793,422	*Checked system, re-filled AquaMag solution tank, adjusted AquaMag pump Speed setting and collected WPDES samples.													
8/21/2018	14:44	42	9,412,339	17.1	24,617	763,131	<0.70	1.7	<0.38	<0.20	<0.70	220	4.4	<0.20	17.3	1057	8.56	14.6	1062	7.35
9/4/2018	14:40	20,156	9,764,247	17.5	25,141	754,238	*Checked system and re-filled AquaMag solution tank.													
9/18/2018	10:57	19,937	10,117,976	17.7	25,549	766,469	*Checked system and re-filled AquaMag solution tank.													
9/18/2018	11:23	26	10,118,436	17.7	25,477	764,308														
10/2/2018	11:23	20,160	10,474,338	17.7	25,422	788,069	*Checked system and re-filled AquaMag solution tank.													
10/25/2018	14:35	33,312	11,070,724	17.9	25,780	799,192	*Checked system and re-filled AquaMag solution tank.													
11/13/2018	8:55	27,020	11,554,639	17.9	25,790	799,481	*Checked system, re-filled AquaMag solution tank and took delivery of 55 gallons of AquaMag.													

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
11/29/2018	10:30	23,135	11,965,096	17.7	25,548	791,995														
11/29/2018	10:40	10	11,965,273	17.7	25,488	790,128	<0.70	1.0	<0.38	<0.20	<0.70	160	4.7	<0.20	11.9	961	8.38	12.4	970	7.29
11/29/2018	10:50	10	11,965,450	17.7	25,488	790,128	*Turn off recovery well pump to discharge purge water from groundwater sampling round through air stripper.													
11/29/2018	11:10	20	11,965,450	0.0	0	0	*Re-start recovery well pump.													
12/11/2018	13:57	17,447	12,271,727	17.6	25,279	783,642	*Checked system and re-filled AquaMag solution tank.													
12/11/2018	14:19	22	12,272,107	17.3	24,873	771,055														
12/26/2018	16:25	21,726	12,656,495	17.7	25,477	789,795	*Checked system and re-filled AquaMag solution tank.													
1/15/2019	15:40	28,755	13,165,666	17.7	25,498	713,955	*Checked system and re-filled AquaMag solution tank.													
2/5/2019	14:30	30,170	13,693,504	17.5	25,193	705,417	*Checked system and re-filled AquaMag solution tank.													
2/19/2019	15:20	20,210	14,046,863	17.5	25,177	704,970	*Checked system and re-filled AquaMag solution tank.													
3/5/2019	13:53	20,073	14,399,095	17.5	25,268	783,323	*Checked system and re-filled AquaMag solution tank.													
3/12/2019	13:10	10,037	14,573,497	17.4	25,021	775,661	<0.70	1.3	<0.38	<0.20	<0.70	160	4.7	<0.20	12.9	1090	8.39	12.1	1103	7.31
3/12/2019	13:28	18	14,573,810	17.4	25,040	776,240	*Checked system, re-filled AquaMag solution tank and collect Influent and Effluent samples.													
3/12/2019	13:34	6	14,573,915	17.5	25,200	781,200														
3/26/2019	14:15	20,201	14,926,826	17.5	25,157	779,860	*Checked system and re-filled AquaMag solution tank.													
4/9/2019	15:05	20,210	15,275,859	17.3	24,869	746,077	*Checked system and re-filled AquaMag solution tank.													
4/23/2019	13:30	20,065	15,626,835	17.5	25,188	755,652	*Checked system and re-filled AquaMag solution tank.													
4/30/2019	14:12	10,122	15,805,303	17.6	25,390	761,689	*Checked system and re-filled AquaMag solution tank.													
5/15/2019	10:40	21,388	16,182,206	17.6	25,376	786,654	<0.70	1.8	<0.38	<0.20	<0.70	200	4.9	<0.20	13.0	939	8.39	12.4	1165	7.37
5/15/2019	15:10	270	16,186,930	17.5	25,195	781,035	*Turn off extraction well. Pump purge water from monitor wells sampling round through air stripper.													
5/15/2019	15:20	10	16,186,930	0.0	0	0	*Re-fill AquaMag solution tank. Re-start extraction well at 15:20.													
5/15/2019	15:25	5	16,187,016	17.2	24,768	767,808														
5/23/2019	9:35	11,170	16,381,506	17.4	25,073	777,264	*Automatic shut-down due to high blower pressure and high air stripper sump water level alarms.													
5/23/2019	11:22	107	16,381,506	0.0	0	0	*Clear alarms in control panel and re-start system at 11:22.													
5/23/2019	11:52	30	16,382,024	17.3	24,864	770,784														
5/28/2019	13:18	7,286	16,509,027	17.4	25,101	778,124	*Checked system and re-filled AquaMag solution tank.													
5/28/2019	13:36	18	16,509,334	17.1	24,560	761,360														
6/11/2019	14:05	20,189	16,857,585	17.2	24,839	745,180	*Checked system and re-filled AquaMag solution tank.													
6/25/2019	16:10	20,285	17,203,993	17.1	24,591	737,729	*Checked system and re-filled AquaMag solution tank.													
7/9/2019	14:35	20,065	17,550,253	17.3	24,850	770,349	*Checked system and re-filled AquaMag solution tank.													
7/18/2019	9:54	12,679	17,770,599	17.4	25,025	775,790	*System shut-down due to temporary power outage caused by thunderstorm.													
7/18/2019	14:06	252	17,770,599	0.0	0	0	*Re-start system at 14:06.													
7/18/2019	14:23	17	17,770,895	17.4	25,073	777,261														
7/23/2019	13:10	7,127	17,895,206	17.4	25,117	778,623	*Checked system and re-filled AquaMag solution tank.													
8/6/2019	14:05	20,215	18,246,977	17.4	25,058	776,802	*Checked system and re-filled AquaMag solution tank.													
8/27/2019	8:35	29,910	18,763,906	17.3	24,887	771,505	*Checked system and re-filled AquaMag solution tank. Took delivery of 55 gallons of AquaMag													
9/10/2019	0:28	19,673	19,101,416	17.2	24,705	741,139	*System shut-down due to temporary power outage caused by thunderstorm.													
9/10/2019	8:10	462	19,101,416	0.0	0	0	*Re-started by Tetra Tech personnel.													

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
9/10/2019	8:40	30	19,101,909	16.4	23,664	709,920														
9/17/2019	14:40	10,440	19,278,851	16.9	24,406	732,174														
9/17/2019	15:15	35	19,279,442	16.9	24,315	729,463	<0.70	1.3	<0.38	<0.20	<0.70	150	4.3	<0.20	13.5	928	8.05	12.2	943	7.05
9/24/2019	13:48	9,993	19,450,155	17.1	24,600	737,997	*Checked system and re-filled AquaMag solution tank.													
10/1/2019	15:00	10,152	19,624,148	17.1	24,680	765,076	*Checked system and re-filled AquaMag solution tank.													
10/15/2019	15:00	20,160	19,972,874	17.3	24,909	772,179	*Checked system and re-filled AquaMag solution tank.													
10/29/2019	12:15	19,995	20,316,984	17.2	24,782	768,246	*Checked system and re-filled AquaMag solution tank.													
11/12/2019	14:50	20,315	20,665,165	17.1	24,680	740,410	<0.70	0.93	<0.38	<0.20	<0.70	150	3.9	<0.20	11.5	941	8.02	12.7	947	7.07
11/13/2019	14:20	1,410	20,689,215	17.1	24,562	736,851	*Turn system off to pump purge water from sampling of monitor wells through air stripper.													
11/13/2019	14:30	10	20,689,215	0.0	0	0	*Re-start system.													
11/19/2019	15:20	8,690	20,835,184	16.8	24,188	725,646	*Checked system and re-filled AquaMag solution tank.													
12/3/2019	14:05	20,085	21,177,142	17.0	24,517	760,020	*Checked system and re-filled AquaMag solution tank.													
12/10/2019	14:19	10,094	21,348,642	17.0	24,466	758,447	*Checked system and re-filled AquaMag solution tank.													
12/10/2019	15:07	48	21,349,450	16.8	24,240	751,440														
12/31/2019	13:24	30,137	21,859,977	16.9	24,394	756,211	*Checked system and re-filled AquaMag solution tank.													
12/31/2019	14:08	44	21,860,713	16.7	24,087	746,705														
1/14/2020	15:30	20,242	22,201,763	16.8	24,262	752,123	*Checked system and re-filled AquaMag solution tank.													
1/28/2020	14:25	20,095	22,538,741	16.8	24,148	748,579	*Checked system and re-filled AquaMag solution tank.													
2/11/2020	14:40	20,175	22,875,429	16.7	24,031	696,907	*Checked system and re-filled AquaMag solution tank.													
2/13/2020	10:45	2,645	22,919,327	16.6	23,899	693,074	*Check system.													
2/25/2020	14:10	17,485	23,210,643	16.7	23,992	695,760	*Checked system and re-filled AquaMag solution tank.													
3/3/2020	15:00	10,130	23,380,452	16.8	24,139	748,299	*Check system.													
3/10/2020	13:50	10,010	23,547,035	16.6	23,964	742,884	<0.70	1.4	<0.38	<0.20	<0.70	200	4.6	<0.20	12.8	952	8.17	14.1	955	7.25
3/24/2020	14:50	20,220	23,882,460	16.6	23,888	740,523	*Checked system and re-filled AquaMag solution tank.													
3/31/2020	13:00	9,970	24,045,927	16.4	23,610	731,912	*Check system.													
4/7/2020	8:07	9,787	24,204,603	16.2	23,347	700,399	*Take delivery of 45 gallons AquaMag.													
4/7/2020	13:39	332	24,209,836	15.8	22,697	680,920	*Re-fill AquaMag solution tank.													
4/14/2020	13:10	10,051	24,372,233	16.2	23,267	697,995	*Check system.													
4/21/2020	13:15	10,085	24,535,258	16.2	23,278	698,332	*Re-fill AquaMag solution tank.													
4/28/2020	13:05	10,070	24,698,023	16.2	23,275	698,257	*Check system.													
4/29/2020	6:50	1,065	24,715,266	16.2	23,314	699,434	*Rain storm caused temporary power interruption and system shut-down.													
5/5/2020	14:00	9,070	24,715,266	0.0	0	0	*System re-started by Tetra Tech personnel.													
5/5/2020	14:30	30	24,715,741	15.8	22,800	706,800	*Re-fill AquaMag solution tank.													
5/14/2020	8:40	12,610	24,923,019	16.4	23,670	733,774	<0.70	1.2	<0.38	<0.20	0.67	190	4.4	<0.20	13.1	965	7.85	13.2	974	6.90
5/14/2020	8:50	10	24,923,183	16.4	23,616	732,096	*Turn system off to pump purge water from sampling of monitor wells through air stripper.													
5/14/2020	9:15	25	24,923,183	0.0	0	0	*Re-start system.													
5/19/2020	13:30	7,455	25,045,686	16.4	23,663	733,539	*Re-fill AquaMag solution tank.													
5/26/2020	13:25	10,075	25,209,947	16.3	23,478	727,803	*Check system.													

Table 1. WPDES Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Date	Time	Elapsed Time (min)	Meter Reading (gal)	Flow (gpm)	Effluent Results - WPDES parameters						Influent Results				Effluent Field Parameters			Influent Field Parameters		
					Flow (gal/day)	Flow (gal/month)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	BETX (ug/l)	TCE (ug/l)	TCA (ug/l)	Vinyl Chloride (ug/l)	Temp (deg C)	electrical conduct. (µS/cm)	pH	Temp (deg C)	electrical conduct. (µS/cm)	pH
6/2/2020	14:15	10,130	25,375,044	16.3	23,469	704,066	*Re-fill AquaMag solution tank.													
6/9/2020	15:30	10,155	25,541,408	16.4	23,591	707,723	*Check system.													
6/16/2020	16:30	10,140	25,706,736	16.3	23,479	704,356	*Re-fill AquaMag solution tank.													
6/26/2020	7:00	13,830	25,932,061	16.3	23,461	703,835	*Rain storm caused temporary power interruption and system shut-down. Shut-down time is approximate.													
6/30/2020	14:10	6,190	25,932,061	0.0	0	0	* System re-started by Tetra Tech personnel.													
6/30/2020	14:25	15	25,932,295	15.6	22,464	673,920														
6/30/2020	14:40	15	25,932,537	16.1	23,232	696,960														
7/14/2020	11:00	19,940	26,257,490	16.3	23,467	704,011	*Check system.													
7/14/2020	11:09	9	26,257,636	16.2	23,360	700,800	*Re-fill AquaMag solution tank.													
7/21/2020	17:15	10,446	26,428,554	16.4	23,561	706,841	*Shut system down for move of treatment system building about 20 feet north of original location to accommodate													
7/21/2020	17:20	5	26,428,636	16.4	17,056	708,480	*expansion of Truckstar Collision building onto former Sta-Rite Deerfield property.													
9/10/2020	16:00	73,360	26,428,888	0.0	252	148	*Operate extraction well pump for several minutes to check for leaks before premanent re-start of system.													
9/15/2020	11:20	6,920	26,428,888	0.0	12,274	0	*Re-start treatment system with extraction well pump switch in HAND position.													
9/17/2020	7:10	2,630	26,472,511	16.6	23,885	716,545	*System check. Operating extraction well pump with switch in contorl panel in HAND position.													
9/17/2020	15:00	470	26,480,250	16.5	23,711	711,329														
9/22/2020	14:35	7,175	26,597,950	16.4	23,622	708,661	<0.70	0.85	<0.38	<0.20	<0.70	150	4.8	<0.20	15.6	963	7.71	14.4	985	6.67
9/23/2020	8:15	1,060	26,614,639	15.7	22,672	680,155	*Turn system off to trouble-shoot issue with extraction well pump not being to operate with control panel switch in													
9/23/2020	10:25	130	26,615,349	5.5	7,865	235,938	*AUTO position. Electrician repairs faulty wiring in control. Extraction wll pump now able to operate when control													
9/23/2020	10:35	10	26,615,519	17.0	24,480	734,400	*panel switch is in the AUTO position.													
9/29/2020	12:20	8,745	26,762,037	16.8	24,126	723,794	*Check system.													
10/7/2020	12:20	11,520	26,954,351	16.7	24,039	745,217	*Check system. Re-fill AquaMag solution tank.													
10/20/2020	14:15	18,835	27,259,223	16.2	23,309	722,564	*Check system. Re-fill AquaMag solution tank.													
11/3/2020	15:15	20,220	27,583,518	16.0	23,095	692,856	*Check system. Re-fill AquaMag solution tank.													
11/11/2020	15:55	11,560	27,771,405	16.3	23,405	702,138	<0.70	0.53	<0.38	<0.20	<0.70	130	3.9	<0.20	12.9	980	7.75	12.9	995	6.96
11/12/2020	13:45	1,310	27,792,855	16.4	23,579	707,359	*Leak around air stripper sump float switch fitting. Tried tightening fitting, but caused shut-down.													
11/12/2020	14:35	50	27,792,855	0.0	0	0	*Pump purge water from semi-annual groundwater sampling round through air stripper, then re-start system at 14:35.													
11/12/2020	15:25	50	27,793,665	16.2	23,328	699,840	*Moved float switch ftting back to original position before re-starting system. Fitting was not leaking after re-start.													
11/17/2020	14:35	7,150	27,911,418	16.5	23,715	711,459	*Check system. Re-fill AquaMag solution tank.													
11/24/2020	14:20	10,065	28,077,778	16.5	23,801	714,034	*Check system. Re-fill AquaMag solution tank.													
12/1/2020	14:30	10,090	28,243,853	16.5	23,701	734,746	*Check system. Re-fill AquaMag solution tank.													
12/15/2020	15:00	20,190	28,574,649	16.4	23,593	731,388	*Check system. Re-fill AquaMag solution tank.													
12/29/2020	12:45	20,025	28,901,495	16.3	23,504	728,610	*Check system. Re-fill AquaMag solution tank.													

Table 1. WPDES System Effluent and Influent Discharge Monitoring Summary Sheet, Former Sta-Rite Facility, Deerfield, Wisconsin

Notes:

NM : Not Mearured

(1) On 6/8/00 sampling date, discovered pump was shut off, had been for approximately one week. Went off on Thursday evening June 1 at 6:04 pm. The flow rate for the 6/8/00 sampling date, therefore, is based on a one week flow time.

(2) System shut down for one to two days on three occasions during the month of September 2000 due to power outage and circuit overload.

(3) System was shut down for approximately one week during the first two weeks of October due to circuit overload on the air stripper blower motor. Circuit overload due to dirty air filter. Air filter cleaned and system re-started on October 13.

(4) System shut down in the evening on 10/17/00. Autodialer did not call in alarm condition so system was not checked until routine bi-monthly check on 11/7/00. When re-started on 11/7/00, a small stream of water started to pour out of air exhaust vent of air stripper after 15 minutes of operation so system was shut off. Inspection of air stripper revealed calcium carbonate scale build-up on air stripper trays. Air stripper trays were cleaned and system re-started on 11/9/00 at 12:15.

(5) System shut down on 1/4/01 due to high water level in air stripper sump alarm condition. Air stripper cleaned, but alarm condition could not be cleared. Electrician called in to trouble-shoot system controls. System re-started on 1/31/01.

(6) System shut down on Saturday, 2/9/02 at 11:40. Re-start system on Monday, 2/11/02.

(7) Turned system off on 2/25/02 to replace bag filters on groundwater dishcarge line and air filter on air stripper blower motor. System re-started the same day.

(8) System turned off for several hours on 4/3/02 to fix leak on bag filter housing.

(9) Electric Company cut power over the weekend (4/13/02). System re-started on Monday, 4/15/02.

(10) System shut down from 5/1/02 through 5/17/02. Air stripper cleaned during this period.

(11) Systen shut down on Saturday, 6/28/02. Changed bag filters and re-started sytem on Monday, 7/1/02.

(12) Lost power on Saturday, 8/17/02 due to thunder storm. Re-start system on Monday, 8/19/02.

(13) Truned system off on 11/1/02 and cleaned air stripper. Re-started system the same day.

(14) System shut down on 12/9/02. Changed filter on air stripper blower motor and re-started system the same day.

(15) System down on 1/7/03. Autodialer didn't call in alarm condition so time when system shut down is unkown. Removed scale from bottom two trays and re-start sytem. Water meter not working after system re-started.

(16) GeoTrans personnel made site visit on 1/10/03 to check water meter and other system components. Water meter was operating on 1/10/03. Removed calcium carbonate scale from discharge pipe outlet in storm sewer manhole, disconnected chemical feed pump and took it in to be serviced as it was not working. Measured pumping rate of extraction well using water meter and stop watch. Calculated pumping rate for extraction well = 26 gpm.

(17) System down on 4/21/03. Re-started system at 10:55.

(18) System shut down on 6/23/03 about 10:43 due to power outage. Re-started system at 15:48.

(19) System shut down on 6/24/03 in the morning. Cleaned air stripper air filter and re-started system the same day.

(20) Leak discovered in discharge line near extraction well manhole on 7/1/03. Shut system down pending repair of leak.

(21) Leak in discharge line repaired on 7/10/03. System re-started at 13:42.

(22) System shut down in the morning on 7/24/03. Re-started system at 13:27.

(23) System down from approximately 10/28/03 to 11/19/03 for repairs to control panel and float switch. Repairs compelted on 11/19/03, but water meter not working. Shut system down to replace portion of discharge line. System re-started on 12/3/03 at 14:00 and water meter was operating.

(24) Shut system off at 13:05 on June 15, 2004. Water was backing up into air stripper due to obstruction in underground PVC discharge line. Replaced 10-foot section of discharge line on September 21, 2004. Obstruction in discharge line was build-up of calcium carbonate scale in low spot of discharge line. Re-start system at 11:20 on September 21.

(25) System was shut down from April 13 through June 30, 2005 due malfunctioning pump switch in control panel. Pump would not operate when pump switch in control panel was in the "Auto" position. New switch ordered and installed by Pentair Water personnel. Air stripper trays also de-scaled during this time period. Float switch in air stripper sump also had to be ordered and replaced.

(26) System off when Pentair Water personnel arrived to collect monthly effluent sample on August 2. Replaced fuse in control panel and re-started system. Based on average flow rate of 25 gpm, system likely shut down on July 8.

(27) System shut down on August 15, 2005; alarm condition 2 exists (high water level in air stripper sump). Air stripper trays de-scaled and system re-started on September 9, 2005 prior to collecting monthly samples.

(28) System shut down sometime prior to November 1, 2005. Blower pressure gauge not working. New pressure gauge ordered.

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-10S	1-Apr-94	3	<1	<1	25	1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1
	1-May-94	8	<4	<4	100	<4	26	<4	<4	<4	<4	<4	<4	<4	<4	<4
	12-Mar-96	5	<0.5	<0.5	64	2	<0.5	12	<0.5	<0.5	<0.5	<15	<0.5	<0.5	<0.5	<15
	18-Dec-96	7.4	<0.5	<0.5	149	5.1	<0.5	22.8	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
	Mar-00 through Dec-02: Could not sample, roots blocking well screen.															
	21-Mar-03	1.6	8.8	<0.50	2.0	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
	12-Jun-03	<0.25	<0.50	<0.50	0.63	0.85	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
(duplicate)	12-Jun-03	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
MW-10S	23-Sep-03	<0.25	<0.50	<0.50	1.6	<0.50	<0.50	<0.50	<0.25	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
	19-Dec-03	<0.20	<0.50	<0.50	3.2	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	18-Mar-04	<0.20	<0.50	<0.50	2.4	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	22-Jun-04	<0.20	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	8-Sep-04	<0.20	<0.50	<0.50	1.8	<0.50	<0.50	0.72	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	28-Dec-04	<0.20	<0.50	<0.50	2.4	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	16-Mar-05	<0.20	<0.50	<0.50	1.5	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	29-Jun-05	<0.20	<0.50	<0.50	2.8	<0.50	<0.50	0.69	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	20-Sep-05	<0.20	<0.50	<0.50	2.7	<0.50	<0.50	0.90	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	29-Dec-05	<0.20	<0.50	<0.50	3.2	<0.50	<0.50	0.92	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	16-May-06	0.32	<0.50	<0.50	5.9	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	21-Nov-06	0.33	<0.50	<0.50	4.5	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	22-May-07	<0.20	<0.50	<0.50	3.3	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	4-Dec-07	0.77	<0.50	<0.50	4.5	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	29-May-08	0.20	<0.50	<0.50	2.8	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-10S	25-Nov-08	3.8	<0.50	<0.50	10	<0.50	<0.50	0.77	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-10S	1-Apr-94	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**30**
	1-May-94	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	**134**
	12-Mar-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**83**
	18-Dec-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**185**
	Mar-00 thro														NA
	21-Mar-03	**0.58**	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.50	**12.98**
	12-Jun-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**1.48**
(duplicate)	12-Jun-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**0**
MW-10S	23-Sep-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**1.6**
	19-Dec-03	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<1.0	<0.50	<0.20	<0.20	**3.2**
	18-Mar-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.4**
	22-Jun-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.2**
	8-Sep-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.52**
	28-Dec-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.4**
	16-Mar-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**1.5**
	29-Jun-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3.49**
	20-Sep-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3.6**
	29-Dec-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**4.12**
	16-May-06	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**6.22**
	21-Nov-06	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**4.83**
	22-May-07	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3.3**
	4-Dec-07	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**5.27**
	29-May-08	<0.20	<0.50	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3**
MW-10S	25-Nov-08	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**14.57**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	**ES**	**5**	**70**	**100**	**200**	**7**	**5**	**850**	**0.2**	**5**	**5**		**700**	**5**	**800**	**2000**
NR 140	**PAL**	**0.5**	**7**	**20**	**40**	**0.7**	**0.5**	**85**	**0.02**	**0.5**	**0.5**		**140**	**0.5**	**160**	**400**
MW-10S	19-May-09	<0.20	<0.50	<0.50	**2.4**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	18-Nov-09	0.20	<0.50	<0.50	**5.0**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	13-May-10	<0.20	<0.50	<0.50	**3.5**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	16-Nov-10	<0.20	<0.50	<0.50	**4.1**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	12-May-11	<0.20	<0.50	<0.50	**3.2**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	9-Nov-11	<0.20	<0.50	<0.50	**4.1**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	10-May-12	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	12-Dec-12	<0.19	<0.12	<0.25	**4.8**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	5-Jun-13	<0.19	<0.12	<0.25	**2.9**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	12-Nov-13	**0.62**	<0.12	<0.25	**3.4**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	13-May-14	<0.19	<0.12	<0.25	**2.8**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	6-Nov-14	<0.19	<0.12	<0.25	**3.9**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	14-May-15	<0.19	<0.12	<0.25	**4.0**	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	11-Nov-15	<0.16	<0.41	<0.35	**3.3**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	18-May-16	<0.16	<0.41	<0.35	**2.7**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	28-Nov-16	<0.16	<0.41	<0.35	**4.4**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	17-May-17	<0.16	<0.41	<0.35	**2.5**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-Nov-17	<0.16	<0.41	<0.35	**3.5**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	9-May-18	<0.48	<0.41	<0.37	**4.3**	<0.36	<0.50	<0.38	<0.50	<0.43	<0.33	<0.34	<0.33	<0.74	<0.48	<0.23
	28-Nov-18	<0.16	<0.41	<0.35	**7.8**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-May-19	**0.34**	<0.41	<0.35	**2.8**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	11-Nov-19	**0.19**	<0.41	<0.35	**5.1**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	13-May-20	<0.16	<0.41	<0.35	**3.2**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-10S	12-Nov-20	<0.16	<0.41	<0.35	**3.3**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-10I	1-Apr-94	**2800**	<1700	<1700	**69000**	**5000**	<1700	**2600**	<1700	<1700	<1700	<1700	<1700	<1700	<1700	<1700

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-10S	19-May-09	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.4**
	18-Nov-09	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**5.2**
	13-May-10	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3.5**
	16-Nov-10	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**4.1**
	12-May-11	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**3.2**
	9-Nov-11	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**4.1**
	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	12-Dec-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**4.8**
	5-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**2.9**
	12-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**4.02**
	13-May-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**2.8**
	6-Nov-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**3.9**
	14-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**4**
	11-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	**3.3**
	18-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**2.7**
	28-Nov-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**4.4**
	17-May-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**2.5**
	15-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**3.5**
	9-May-18	<0.50	<0.40	<0.42	<0.35	<0.38	<2.5	<0.47	<0.31	<0.37	<2.5	<0.30	<0.62	<0.44	**4.3**
	28-Nov-18	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**7.8**
	15-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**3.14**
	11-Nov-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	0.61	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**5.9**
	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**3.2**
MW-10S	12-Nov-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**3.3**
MW-10I	1-Apr-94	<1700	<1700	<1700	<1700	<1700	<1700	<1700	<1700	**50**	<0.5	<0.5	<0.5	<0.5	**79450**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-10I	1-May-94	19000	<2500	<2500	54000	2200	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500
MW-10I	12-Mar-96	3000	<0.5	<0.5	52000	2700	<0.5	3900	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	18-Dec-96	1780	<5	<0.5	32500	2820	<0.5	2360	<0.5	<0.5	<0.5	<0.5	<0.5	37.7	32	<0.5
MW-10I	11-Mar-00	1900	<250	<250	51000	2600	<250	1300	<250	<100	<250	<250	<250	<250	<100	<250
(duplicate)	11-Mar-00	2100	<250	<250	56000	3100	<250	1200	<250	<100	<250	<250	<250	<250	<100	<250
MW-10I	17-May-00	1100	<200	<200	30000	1300	<200	740	<200	<80	<200	<200	<200	<200	<80	<200
MW-10I	15-Sep-00	640	<100	<100	17000	750	<100	610	<100	<40	<100	<100	<100	<100	<40	<100
	16-Mar-01	820	<120	<120	21000	820	<120	820	<120	<50	<120	<120	<120	<120	<50	<120
	26-Jun-01	530	<100	<100	13000	600	<100	640	<100	<40	<100	<100	<100	<100	<40	<100
MW-10I	20-Sep-01	660	<100	<100	14000	560	<100	830	<100	<40	<100	<100	<100	<100	<40	<100
(duplicate)	20-Sep-01	700	<100	<100	17000	650	<100	880	<100	<40	<100	<100	<100	<100	<40	<100
MW-10I	18-Dec-01	300	<100	<100	7600	440	<100	260	<100	<40	<100	<100	<100	<100	<40	<100
	27-Mar-02	210	<62	<62	3100	100	<62	140	<62	<25	<62	<62	<62	<62	<25	<62
	6-Jun-02	280	<50	<50	5300	190	<50	250	<50	<20	<50	<50	<50	<50	<20	<50
	5-Sep-02	150	<25	<25	3000	110	<25	110	<25	<10	<25	<25	<25	<25	<10	<25
MW-10I	11-Dec-02	120	<12	<12	1800	69	<12	97	<12	<5.0	<12	<12	<12	<12	<5.0	<12
(duplicate)	11-Dec-02	120	<12	<12	2000	79	<12	97	<12	<5.0	<12	<12	<12	<12	<5.0	<12
MW-10I	20-Mar-03	76	<5.0	<0.50	750	27	<0.50	62	<0.50	<0.25	<0.50	<0.50	<0.50	3.6	<0.25	<0.50
(duplicate)	20-Mar-03	75	<5.0	<5.0	730	26	<5.0	77	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0
MW-10I	12-Jun-03	240	<50	<50	4500	110	<50	300	<50	<25	<50	<50	<50	<50	<25	<50
	23-Sep-03	98	<12	<12	1300	52	<12	72	<6.2	<6.2	<12	<12	<12	<12	<6.2	<12
	19-Dec-03	310	<40	<40	7200	180	<40	330	<16	<16	<40	<40	<40	<40	<16	<40
	18-Mar-04	130	<25	<25	2000	66	<25	120	<10	<10	<25	<25	<25	<25	<10	<25
	22-Jun-04	78	<20	<20	800	31	<20	78	<8.0	<8.0	<20	<20	<20	<20	<8.0	<20
MW-10I	8-Sep-04	65	<8.0	<8.0	680	27	<8.0	67	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-10I	1-May-94	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	75200
MW-10I	12-Mar-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	61600
	18-Dec-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	39529.7
MW-10I	11-Mar-00	<250	<250	<250	<250	<250	<250	<250	<250	<250	630 L	<250	<250	<250	57430
(duplicate)	11-Mar-00	<250	<250	<250	<250	<250	<250	<250	<250	<250	520 L	<250	<250	<250	62920
MW-10I	17-May-00	<200	<200	<200	<200	<200	<200	<200	<200	<200	660 L	<200	<200	<200	33800
MW-10I	15-Sep-00	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<200	<200	<200	19000
	16-Mar-01	<120	<120	<120	<120	<120	<120	<120	<120	<120	920 L	<200	<200	<200	24380
	26-Jun-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	540 L	<100	<100	<100	15310
MW-10I	20-Sep-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<100	16050
(duplicate)	20-Sep-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<100	19230
MW-10I	18-Dec-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	140 L	<100	<100	<100	8740
	27-Mar-02	<62	<62	<62	<62	<62	<62	<25	<25	<62	260 L	<62	<62	<62	3810
	6-Jun-02	<50	<50	<50	<50	<50	<50	<20	<20	<50	410 L	<50	<50	<50	6430
	5-Sep-02	<25	<25	<25	<25	<25	<25	<10	<10	<25	150 L	<25	<25	<25	3520
MW-10I	11-Dec-02	<12	<12	<12	<12	<12	<12	<5.0	<5.0	<12	20 L	<12	<12	<12	2106
(duplicate)	11-Dec-02	<12	<12	<12	<12	<12	<12	<5.0	<5.0	<12	20 L	<12	<12	<12	2316
MW-10I	20-Mar-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	0.29	<1.0	<0.50	<0.25	<0.25	918.89
(duplicate)	20-Mar-03	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<10	<5.0	<2.5	<2.5	908
MW-10I	12-Jun-03	<25	<25	<25	<25	<50	<25	<25	<25	<25	<100	<50	<25	<25	5150
	23-Sep-03	<6.2	<6.2	<6.2	<6.2	<12	<6.2	<6.2	<6.2	<6.2	<25	<25	<6.2	<6.2	1522
	19-Dec-03	<16	<16	<20	<16	<40	<20	<16	<16	<20	<80	<40	<16	<16	8020
	18-Mar-04	<10	<10	<12	<10	<25	<12	<10	<10	<12	<50	<25	<10	<10	2316
	22-Jun-04	<8.0	<8.0	<10	<8.0	<20	<10	<8.0	<8.0	<10	<40	<20	<8.0	<8.0	987
MW-10I	8-Sep-04	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	839

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
(duplicate)	8-Sep-04	61	<8.0	<8.0	620	26	<8.0	64	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
MW-10I	28-Dec-04	48	<5.0	<5.0	280	14	<5.0	43	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
MW-10I	16-Mar-05	41	<5.0	<5.0	230	11	<5.0	44	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	29-Jun-05	51	<5.0	<5.0	310	12	<5.0	31	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
MW-10I	20-Sep-05	41	<2.5	<2.5	220	10	<2.5	31	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	29-Dec-05	50	<2.5	<2.5	370	15	<2.5	44	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	16-May-06	50	3.5	<2.5	290	12	<2.5	27	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	21-Nov-06	48	7.2	<2.5	210	7.2	<2.5	24	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	22-May-07	51	7.1	<2.0	170	6.6	<2.0	19	<0.40	<0.80	<2.0	<2.0	<2.0	<2.0	<0.80	<2.0
	4-Dec-07	48	6.3	<1.0	130	8.7	<1.0	20	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<0.40	<1.0
	29-May-08	62	5.2	<0.50	270	15	<0.50	36	<0.20	<0.20	<0.50	<0.50	<0.50	2.4	<0.50	<0.50
	25-Nov-08	46	3.2	<2.5	210	8.5	<2.5	32	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
MW-10I	19-May-09	69	<10	<10	920	30	<10	46	4.4	<4.0	<10	<10	<10	<10	<10	<10
(duplicate)	19-May-09	72	<10	<10	1000	31	<10	51	4.8	<4.0	<10	<10	<10	<10	<10	<10
MW-10I	18-Nov-09	43	<2.0	<2.0	150	6.6	<2.0	20	<0.80	<0.80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
(duplicate)	18-Nov-09	42	<2.0	<2.0	140	6.4	<2.0	20	<0.80	<0.80	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-10I	13-May-10	41	1.8	<1.0	140	5.1	<1.0	12	<0.40	<0.40	<1.6	<1.0	<1.0	1.4	<1.0	<1.0
(duplicate)	13-May-10	45	1.9	<1.0	170	5.8	<1.0	13	<0.40	<0.40	<1.6	<1.0	<1.0	1.6	<1.0	<1.0
MW-10I	16-Nov-10	34	1.2	<1.0	130	5.2	<1.0	15	<0.40	<0.40	<1.6	<1.0	<1.0	1.4	<1.0	<1.0
	12-May-11	32	1.3	<1.0	90	3.2	<1.0	12	<0.40	<0.40	<1.6	<1.0	<1.0	1.1	<1.0	<1.0
	9-Nov-11	41	1.3	<0.50	100	5.2	<0.50	19	<0.20	<0.20	<0.80	<0.50	<0.50	1.5	<0.50	<0.50
	10-May-12	37	1.2	<0.25	150	6.2	<0.28	12	<0.10	<0.074	<0.26	<0.34	<0.13	1.7	<0.11	<0.068
	12-Dec-12	28	0.94	<0.25	59	3.9	<0.28	15	<0.10	<0.074	<0.26	<0.34	<0.13	1.2	<0.11	<0.068
	5-Jun-13	29	0.84	<0.25	150	6.3	<0.28	12	<0.10	<0.074	<0.26	<0.34	<0.13	1.3	<0.11	<0.068
MW-10I	12-Nov-13	29	<0.12	<0.25	100	6.8	<0.28	15	<0.10	<0.074	<0.26	<0.34	<0.13	1.5	<0.11	<0.068

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
(duplicate)	8-Sep-04	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**771**
MW-10I	28-Dec-04	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<8.0	<2.0	<2.0	**385**
MW-10I	16-Mar-05	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<8.0	<2.0	<2.0	**326**
	29-Jun-05	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<8.0	<2.0	<2.0	**404**
MW-10I	20-Sep-05	<1.0	<1.0	<1.2	<1.0	<2.5	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	**302**
	29-Dec-05	<1.0	<1.0	<1.2	<1.0	<2.5	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	**479**
	16-May-06	<1.0	<1.0	<1.2	<1.0	<2.5	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	**382.5**
	21-Nov-06	<1.0	<1.0	<1.2	<1.0	<2.5	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	**296.4**
	22-May-07	<0.80	<0.80	<1.0	<0.80	<2.0	**1.8**	**0.96**	<0.80	<1.0	<4.0	<2.0	<0.80	<0.80	**256.46**
	4-Dec-07	<0.40	<0.40	<0.50	<0.40	<1.0	<0.50	<0.40	<0.40	<0.50	<2.0	<1.0	<0.40	<0.40	**213**
	29-May-08	<0.20	<0.50	<0.25	<0.20	<0.50	**0.41**	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**391.01**
	25-Nov-08	<1.0	<1.5	<1.2	<1.0	<2.5	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	**299.7**
MW-10I	19-May-09	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	**1069.4**
(duplicate)	19-May-09	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	**1158.8**
MW-10I	18-Nov-09	<0.80	<1.2	<1.0	<0.80	<2.0	<1.0	<0.80	<0.80	<1.0	<4.0	<2.0	<0.80	<0.80	**219.6**
(duplicate)	18-Nov-09	<0.80	<1.2	<1.0	<0.80	<2.0	<1.0	<0.80	<0.80	<1.0	<4.0	<2.0	<0.80	<0.80	**208.4**
MW-10I	13-May-10	<0.40	<0.60	<0.50	<0.40	<1.0	<0.50	<0.40	<0.40	<0.50	<2.0	<1.0	<0.40	<0.40	**201.3**
(duplicate)	13-May-10	<0.40	<0.60	<0.50	<0.40	<1.0	<0.50	<0.40	<0.40	<0.50	<2.0	<1.0	<0.40	<0.40	**237.3**
MW-10I	16-Nov-10	<0.40	<0.60	<0.50	<0.40	<1.0	<0.50	<0.40	<0.40	<0.50	<2.0	<1.0	<0.40	<0.40	**186.8**
	12-May-11	<0.40	<0.60	<0.50	<0.40	<1.0	<0.50	<0.40	<0.40	<0.50	<2.0	<1.0	<0.40	<0.40	**139.6**
	9-Nov-11	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**168**
	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**208.1**
	12-Dec-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**108.04**
	5-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**199.44**
MW-10I	12-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**152.3**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-10I	13-May-14	29	0.89	<0.25	140	8.7	<0.28	14	<0.10	<0.074	<0.26	<0.34	<0.13	1.7	<0.11	<0.068
MW-10I	6-Nov-14	27	0.64	<0.25	120	6.7	<0.28	16	<0.10	<0.074	<0.26	<0.34	<0.13	1.8	<0.11	<0.068
	14-May-15	34	0.75	<0.25	210	8.6	<0.28	21	<0.10	<0.074	<0.26	<0.34	<0.13	2.2	<0.11	<0.068
	11-Nov-15	22	<0.41	<0.35	96	4.1	<0.39	14	<0.20	<0.15	<0.38	<0.30	<0.18	1.4	<0.15	<0.22
MW-10I	18-May-16	27	0.68	<0.35	210	6.9	<0.39	24	<0.20	<0.15	<0.38	<0.30	<0.18	1.8	<0.15	<0.22
	28-Nov-16	23	<0.41	<0.35	94	4.9	<0.39	13	<0.20	<0.15	<0.38	<0.30	<0.18	1.4	<0.15	<0.22
	17-May-17	26	0.78	<0.35	44	2.6	<0.39	9.7	<0.20	<0.15	<0.38	<0.30	<0.18	0.84	<0.15	<0.22
	15-Nov-17	26	<0.41	<0.35	51	2.2	<0.39	12	<0.20	<0.15	<0.38	<0.30	<0.18	0.95	<0.15	<0.22
	9-May-18	33	1.4	<0.37	68	2.8	<0.50	7.3	<0.50	<0.43	<0.33	<0.34	<0.33	1.1	<0.48	<0.23
	28-Nov-18	24	<0.41	<0.35	37	1.4	<0.39	6.4	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-May-19	20	0.73	<0.35	30	1.4	<0.39	6.4	<0.20	<0.15	<0.38	<0.30	<0.18	0.74	<0.15	<0.22
	11-Nov-19	23	0.93	<0.35	38	1.7	<0.39	6.5	<0.20	<0.15	<0.38	<0.30	<0.18	0.90	<0.15	<0.22
	13-May-20	29	1.3	<0.35	36	1.6	<0.39	5.2	<0.20	<0.15	<0.38	<0.30	<0.18	0.92	<0.15	<0.22
MW-10I	12-Nov-20	20	0.56	<0.35	29	1.5	<0.39	8	<0.20	<0.15	<0.38	<0.30	<0.18	0.84	<0.15	<0.22
(duplicate)	12-Nov-20	19	0.53	<0.35	28	1.3	<0.39	7.8	<0.20	<0.15	<0.38	<0.30	<0.18	0.72	<0.15	<0.22
MW-14S	1-May-94	230000	14000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000
MW-14S	12-Mar-96	120000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-14S	18-Dec-96	248000	9490	<0.5	<0.5	26.3	<0.5	<0.5	<0.5	13.4	<5	<5	5.5	69.9	81.3	<5
MW-14SR	11-Mar-00	26000	7000	<120	<120	<120	<120	<120	<120	<50	<120	<120	<120	<120	<50	<120
	17-May-00	1000	250	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
	15-Sep-00	640	110	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<6.2	<6.2	<6.2	<5.0	<6.2	<6.2
MW-14SR	28-Dec-00	1200	200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0
	16-Mar-01	490	91	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	26-Jun-01	850	95	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-14SR	20-Sep-01	1400	110	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-10I	13-May-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**194.29**
MW-10I	6-Nov-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**172.14**
	14-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**276.55**
	11-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	**137.5**
MW-10I	18-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**270.38**
	28-Nov-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**136.3**
	17-May-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**83.92**
	15-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**92.15**
	9-May-18	<0.50	<0.40	<0.42	<0.35	<0.38	<2.5	<0.47	<0.31	<0.37	<2.5	<0.30	<0.62	<0.44	**113.6**
	28-Nov-18	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**68.8**
	15-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**59.27**
	11-Nov-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**71.03**
	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**74.02**
MW-10I	12-Nov-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**59.9**
(duplicate)	12-Nov-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**57.35**
MW-14S	1-May-94	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	**244000**
MW-14S	12-Mar-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**120000**
MW-14S	18-Dec-96	**23.4**	**21.5**	<5	<5	<5	<5	<5	<5	**49.1**	**131 L**	<5	<5	<5	**257911.4**
MW-14SR	11-Mar-00	<120	<120	<120	<120	<120	<120	<120	<120	<120	**220 L**	<120	<120	<120	**33220**
	17-May-00	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	**91 L**	<6.2	<6.2	<6.2	**1341**
	15-Sep-00	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<5.0	<5.0	<6.2	<6.2	<6.2	**750**
MW-14SR	28-Dec-00	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.2 L**	<5.0	<5.0	<5.0	**1409.2**
	16-Mar-01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**49 L**	<5.0	<5.0	<5.0	**630**
	26-Jun-01	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	**13 L**	<2.5	<2.5	<2.5	**958**
MW-14SR	20-Sep-01	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	**1510**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-14SR	18-Dec-01	1500	120	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2
	27-Mar-02	1000	61	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2
MW-14SR	6-Jun-02	1700	85	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2	<6.2	<6.2	<6.2	<2.5	<6.2
MW-14SR	5-Sep-02	1700	100	<10	<10	<10	<10	<10	<10	<4.0	<10	<10	<10	<10	<10	<10
	12-Jun-03	920	60	<10	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<5.0	<10
MW-14SR	18-Dec-03	1200	56	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	18-Mar-04	1000	45	<12	<12	<12	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
	21-Jun-04	300	33	<4.0	<4.0	<4.0	<4.0	<4.0	<1.6	<1.6	<4.0	<4.0	<4.0	<4.0	<1.6	<4.0
	8-Sep-04	680	40	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-14SR	28-Dec-04	760	31	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	15-Mar-05	710	29	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	29-Jun-05	960	34	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	16-May-06	1200	26	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	22-Nov-06	1300	32	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	22-May-07	900	18	<10	<10	<10	<10	<10	<4.0	<4.0	<10	<10	<10	<10	<4.0	<10
	4-Dec-07	900	16	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	29-May-08	660	13	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
	25-Nov-08	860	16	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	19-May-09	580	8.3	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	18-Nov-09	990	12	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	13-May-10	820	9.1	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
MW-14SR	16-Nov-10	780	9.2	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12-May-11	600	7.6	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9-Nov-11	780	8.2	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-14SR	10-May-12	690	7.3	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-14SR	18-Dec-01	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<2.5	<2.5	<6.2	16 L	<6.2	<6.2	<6.2	1636
	27-Mar-02	<6.2	<6.2	<6.2	<6.2	<6.2	28	7.0	<2.5	<6.2	23 L	<6.2	<6.2	<6.2	1119
MW-14SR	6-Jun-02	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<2.5	<2.5	<6.2	49 L	<6.2	<6.2	<6.2	1834
MW-14SR	5-Sep-02	<10	<10	<10	<10	<10	<10	<4.0	<4.0	<10	53 L	<10	<10	<10	1853
	12-Jun-03	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<20	<10	<5.0	<5.0	980
MW-14SR	18-Dec-03	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	1256
	18-Mar-04	<5.0	<5.0	<6.2	<5.0	<5.0	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	1045
	21-Jun-04	<1.6	<1.6	<2.0	<1.6	<4.0	<2.0	<1.6	<1.6	<2.0	<8.0	<8.0	<1.6	<1.6	333
	8-Sep-04	<1.0	<1.0	<1.2	<1.0	<1.0	<1.2	<1.0	<1.0	<1.2	<5.0	<2.5	<1.0	<1.0	720
MW-14SR	28-Dec-04	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	791
	15-Mar-05	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	739
	29-Jun-05	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	994
	16-May-06	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	1226
	22-Nov-06	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	1332
	22-May-07	<4.0	<4.0	<5.0	<4.0	<10	6.4	19	8.0	<5.0	<20	<10	<4.0	<4.0	951.4
	4-Dec-07	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	916
	29-May-08	<3.2	<8.0	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	673
	25-Nov-08	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	876
	19-May-09	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	588.3
	18-Nov-09	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	1002
	13-May-10	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	829.1
MW-14SR	16-Nov-10	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	789.2
	12-May-11	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	607.6
	9-Nov-11	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	788.2
MW-14SR	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.25	<0.17	697.3

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-14SR	12-Dec-12	740	7.9	<0.50	<0.40	<0.62	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
	5-Jun-13	470	3.9	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-14SR	12-Nov-13	610	8.1	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-14SR	13-May-14	460	6.2	<0.50	<0.40	<0.62	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
	7-Nov-14	620	5.5	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-14SR	14-May-15	520	5.6	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	12-Nov-15	530	5.2	<0.70	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	18-May-16	480	4.0	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	28-Nov-16	710	5.2	<0.70	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-14SR	17-May-17	490	2.5	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-Nov-17	500	2.4	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	**0.44**	<0.15	<0.22
	9-May-18	360	<4.1	<3.7	<3.7	<3.6	<5.0	<3.8	<5.0	<4.3	<3.3	<3.4	<3.3	<7.4	**6.8**	<2.3
	29-Nov-18	380	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-May-19	280	1.2	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	11-Nov-19	350	1.5	<0.35	**0.42**	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	13-May-20	270	2.8	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-14SR	12-Nov-20	330	1.2	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-14I	1-May-94	290000	13000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<12000	<0.5	<12000	<12000
MW-14I	12-Mar-96	100000	14000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-14I	12-Mar-96	77000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	18-Dec-96	51800	10800	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**7.1**	<0.5	<0.5	**9.4**	**108**	**46.5**	**23**
MW-14I	18-Dec-96	53700	9520	**29.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**14.8**	<0.5	<0.5	**6.3**	**93.2**	**56.1**	**18.5**
MW-14IR	11-Mar-00	190000	17000	<2500	<2500	<2500	<2500	<2500	<2500	<1000	<2500	<2500	<2500	<2500	<1000	<2500
	17-May-00	150000	13000	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
MW-14IR	14-Sep-00	84000	7500	<500	<500	<500	<500	<500	<500	<200	<500	<500	<500	<500	<500	<500

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-14SR	12-Dec-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**747.9**
	5-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**473.9**
MW-14SR	12-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**618.1**
MW-14SR	13-May-14	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**466.2**
	7-Nov-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**625.5**
MW-14SR	14-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**525.6**
	12-Nov-15	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.92	<0.74	**535.2**
	18-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**484**
	28-Nov-16	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**715.2**
MW-14SR	17-May-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**492.5**
	15-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**502.84**
	9-May-18	<5.0	<4.0	<4.2	<3.5	<3.8	<25	<4.7	<3.1	<3.7	<25	<3.0	<6.2	<4.4	**366.8**
	29-Nov-18	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**380**
	15-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**281.2**
	11-Nov-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	**0.63**	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**352.55**
	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	**<0.36**	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**272.8**
MW-14SR	12-Nov-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	**<0.36**	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**331.2**
MW-14I	1-May-94	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<12000	<0.5	<0.5	<0.5	<0.5	**303000**
MW-14I	12-Mar-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**114000**
MW-14I	12-Mar-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**87000**
	18-Dec-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**55.7 L**	<0.5	**5**	<0.5	**62854.7**
MW-14I	18-Dec-96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**55.3 L**	<0.5	<0.5	<0.5	**63493.7**
MW-14IR	11-Mar-00	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500	**5900 L**	<2500	<2500	<2500	**212900**
	17-May-00	<500	<500	<500	<500	<500	<500	<500	<500	<500	**10000 L**	<500	<500	<500	**173000**
MW-14IR	14-Sep-00	<500	<500	<500	<500	<500	<500	<500	<500	<500	**680 L**	<500	<500	<500	**92180**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-14IR	28-Dec-00	99000	7500	<500	<500	<500	<500	<500	<500	<200	<500	<500	<500	<500	<200	<500
	16-Mar-01	53000	3700	<250	<250	<250	<250	<250	<250	<100	<250	<250	<250	<250	<100	<250
MW-14IR	27-Jun-01	31000	1700	<250	<250	<250	<250	<250	<250	<100	<250	<250	<250	<250	<100	<250
MW-14IR	20-Sep-01	28000	1500	<120	<120	<120	<120	<120	<120	<50	<120	<120	<120	<120	<50	<120
MW-14IR	18-Dec-01	16000	860	<100	<100	<100	<100	<100	<100	<40	<100	<100	<100	<100	<40	<100
(duplicate)	18-Dec-01	14000	800	<100	<100	<100	<100	<100	<100	<40	<100	<100	<100	<100	<40	<100
MW-14IR	27-Mar-02	11000	560	<120	<120	<120	<120	<120	<120	<50	<120	<120	<120	<120	<50	<120
MW-14IR	6-Jun-02	11000	560	<120	<120	<120	<120	<120	<120	<50	<120	<120	<120	<120	<50	<120
	5-Sep-02	7900	440	<50	<50	<50	<50	<50	<50	<20	<50	<50	<50	<50	<20	<50
	11-Dec-02	5680	298	<50	<50	<50	<50	<50	<50	<20	<50	<50	<50	<50	<20	<50
	20-Mar-03	5000	270	1.3	0.78	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	6.2	<0.25	<0.50
	12-Jun-03	3000	170	<50	<50	<50	<50	<50	<50	<25	<50	<50	<50	<50	<25	<50
	22-Sep-03	3100	150	<25	<25	<25	<25	<25	<12	<12	<25	<25	<25	<25	<12	<25
MW-14IR	18-Dec-03	2300	100	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25	<25	<10	<25
	17-Mar-04	2500	100	<25	<25	<25	<25	<25	<25	<10	<25	<25	<25	<25	<10	<25
	21-Jun-04	610	43	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	8-Sep-04	780	52	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	28-Dec-04	1300	56	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
	15-Mar-05	1200	54	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	29-Jun-05	1500	57	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<3.2	<8.0
	20-Sep-05	2200	88	<16	<16	<16	<16	<16	<6.4	<6.4	<16	<16	<16	<16	<6.4	<16
	29-Dec-05	2200	92	<16	<16	<16	<16	<16	<6.4	<6.4	<16	<16	<16	<16	<6.4	<16
MW-14IR	16-May-06	1100	35	<16	<16	<16	<16	<16	<6.4	<6.4	<16	<16	<16	<16	<6.4	<16
	21-Nov-06	1300	38	<16	<16	<16	<16	<16	<6.4	<6.4	<16	<16	<16	<16	<6.4	<16
MW-14IR	22-May-07	1100	28	<12	<12	<12	<12	<12	<5.0	<5.0	<12	<12	<12	<16	<5.0	<12

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-14IR	28-Dec-00	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	**106500**
	16-Mar-01	<250	<250	<250	<250	<250	<250	<250	<250	<250	**1900 L**	<250	<250	<250	**58600**
MW-14IR	27-Jun-01	<250	<250	<250	<250	<250	<250	<100	<100	<250	**1500 L**	<250	<250	<250	**34200**
MW-14IR	20-Sep-01	<120	<120	<120	<120	<120	<120	<50	<50	<120	<120	<120	<120	<120	**29500**
MW-14IR	18-Dec-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<100	**16860**
(duplicate)	18-Dec-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<100	**14800**
MW-14IR	27-Mar-02	<120	<120	<120	<120	<120	**160**	<120	<120	<120	**500 L**	<120	<120	<120	**12220**
MW-14IR	6-Jun-02	<120	<120	<120	<120	<120	<120	<120	<120	<120	**1100 L**	<120	<120	<120	**12660**
	5-Sep-02	<50	<50	<50	<50	<50	<50	<20	<20	<50	**330 L**	<50	<50	<50	**8670**
	11-Dec-02	<50	<50	<50	<50	<50	**54**	<20	<20	<50	<50	<50	<50	<50	**6032**
	20-Mar-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	**1.3**	<1.0	<0.50	**0.78**	<0.50	**5280.36**
	12-Jun-03	<25	<25	<25	<25	<50	<25	<25	<25	<25	<100	<50	<25	<25	**3170**
	22-Sep-03	<12	<12	<12	<12	<25	<12	<12	<12	<12	<50	<25	<12	<12	**3250**
MW-14IR	18-Dec-03	<10	<10	<12	<10	<25	<12	<10	<10	<12	<50	<25	<10	<10	**2400**
	17-Mar-04	<10	<10	<12	<10	<25	<12	<10	<10	<12	<50	<25	<10	<10	**2600**
	21-Jun-04	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**653**
	8-Sep-04	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	**832**
	28-Dec-04	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	**1356**
	15-Mar-05	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**1254**
	29-Jun-05	<3.2	<3.2	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**1557**
	20-Sep-05	<6.4	<6.4	<8.0	<6.4	<16	<8.0	<6.4	<6.4	<8.0	<32	<16	<6.4	<6.4	**2288**
	29-Dec-05	<6.4	<6.4	<8.0	<6.4	<16	<8.0	<6.4	<6.4	<8.0	<32	<16	<6.4	<6.4	**2292**
MW-14IR	16-May-06	<6.4	<6.4	<8.0	<6.4	<16	<8.0	<6.4	<6.4	<8.0	<32	<16	<6.4	<6.4	**1135**
	21-Nov-06	<6.4	<6.4	<8.0	<6.4	<16	<8.0	<6.4	<6.4	<8.0	<32	<16	<6.4	<6.4	**1338**
MW-14IR	22-May-07	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<6.4	<5.0	**1128**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-14IR	4-Dec-07	1200	26	<10	<10	<10	<10	<10	<4.0	<4.0	<10	<10	<10	<10	<4.0	<10
	29-May-08	1100	25	<12	<12	<12	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<12	<12
MW-14IR	25-Nov-08	980	31	<10	<10	<10	<10	<10	<4.0	<4.0	<10	<10	<10	<10	<10	<10
MW-14IR	19-May-09	870	21	<10	<10	<10	<10	<10	<4.0	<4.0	<10	<10	<10	<10	<10	<10
MW-14IR	18-Nov-09	850	14	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	8.2	130	<8.0	<8.0	<8.0	<8.0
	13-May-10	730	11	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	16-Nov-10	880	12	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-14IR	12-May-11	740	11	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9-Nov-11	720	12	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10-May-12	810	11	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	1.2	<0.11	<0.068
	12-Dec-12	830	15	<0.50	<0.40	<0.62	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	1.6	<0.22	<0.14
	5-Jun-13	420	6.3	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.59	<0.11	<0.068
	12-Nov-13	570	9.9	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	1.1	<0.11	<0.068
MW-14IR	13-May-14	400	6.1	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.68	<0.11	<0.068
	7-Nov-14	560	7.2	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	1.0	<0.11	<0.068
	14-May-15	510	9.4	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	1.0	<0.11	<0.068
MW-14IR	12-Nov-15	530	7.0	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	18-May-16	450	6.5	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.85	<0.15	<0.22
	28-Nov-16	620	8.1	<0.70	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	17-May-17	500	5.7	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.89	<0.15	<0.22
	15-Nov-17	620	7.2	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	1.1	<0.15	<0.22
	9-May-18	600	8.9	<3.7	<3.7	<3.6	<5.0	<3.8	<5.0	<4.3	<3.3	<3.4	<3.3	<7.4	<4.8	<2.3
	29-Nov-18	540	7.0	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	15-May-19	400	4.4	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.90	<0.15	<0.22
MW-14IR	11-Nov-19	450	5.2	<0.35	0.40	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	1.1	<0.15	<0.22

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-14IR	4-Dec-07	<4.0	<4.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<10	1226
	29-May-08	<12	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	1125
MW-14IR	25-Nov-08	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	1011
MW-14IR	19-May-09	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	891
MW-14IR	18-Nov-09	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	1002.2
	13-May-10	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	741
	16-Nov-10	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	892
MW-14IR	12-May-11	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	751
	9-Nov-11	<2.0	<3.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	732
	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	822.2
	12-Dec-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	846.6
	5-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	426.89
	12-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	581
MW-14IR	13-May-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	406.78
	7-Nov-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	568.2
	14-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	520.4
MW-14IR	12-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	537
	18-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	457.35
	28-Nov-16	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	628.1
	17-May-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	506.59
	15-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	628.3
	9-May-18	<5.0	<4.0	<4.2	<3.5	<3.8	<25	<4.7	<3.1	<3.7	<25	<3.0	<6.2	<4.4	608.9
	29-Nov-18	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	547
	15-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	405.3
MW-14IR	11-Nov-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	456.7

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-14IR	13-May-20	320	6.8	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.95	<0.15	<0.22
MW-14IR	12-Nov-20	420	5.6	<0.70	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	1.2	<0.30	<0.44
MW-15D	20-Apr-99	1100	3900	<39	<28	<25	<20	<73	<46	<31	<110	<110	<38	<63	<39	<110
	10-Mar-00	1500	7200	<40	<40	<40	<40	<40	<40	<16	<40	<40	<40	<40	<16	<40
MW-15D	16-May-00	2200	11000	<62	<62	<62	<62	<62	<62	<62	<62	<62	<62	<62	<62	<62
MW-15D	15-Sep-00	2600	14000	<50	<50	<50	<50	<50	<50	<20	<50	<50	<50	<50	<20	<50
	15-Mar-01	2900	14000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
MW-15D	26-Jun-01	2200	13000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
(duplicate)	26-Jun-01	2100	13000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
MW-15D	19-Sep-01	2800	14000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
	28-Mar-02	2000	11000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
	6-Jun-02	7500	17000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
	5-Sep-02	2300	14000	<100	<100	<100	<100	<100	<100	<40	<100	<100	<100	<100	<40	<100
	17-Dec-02	2000	12000	<62	<62	<62	<62	<62	<62	<25	<62	<62	<62	<62	<25	<62
	21-Mar-03	2500	11000	<50	<50	<50	<50	<50	<50	<25	<50	<50	<50	<50	<25	<50
	12-Jun-03	2000	10000	<100	<100	<100	<100	<100	<100	<50	<100	<100	<100	<100	<50	<100
MW-15D	23-Sep-03	2500	12000	150	<50	<50	<50	<50	<25	<25	<50	<50	<50	<50	<25	<50
	18-Dec-03	2700	13000	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80
	18-Mar-04	2400	13000	<120	<120	<120	<120	<120	<50	<50	<120	<120	<120	<120	<50	<120
	22-Jun-04	2400	12000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
	8-Sep-04	2200	12000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
MW-15D	28-Dec-04	2600	11000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
(duplicate)	28-Dec-04	2500	11000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
MW-15D	16-Mar-05	2200	13000	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80
(duplicate)	16-Mar-05	2300	13000	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-14IR	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**327.75**
MW-14IR	12-Nov-20	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**426.8**
MW-15D	20-Apr-99	<15	<15	<15	<15	<15	<15	<15	<15	<15	<87	<15	<15	<15	**5000**
	10-Mar-00	<40	<40	<40	<40	<40	<40	<40	<40	<40	**0.49 L**	<40	<40	<40	**8700.49**
MW-15D	16-May-00	<62	<62	<62	<62	<62	<62	<62	<62	<62	**1200 L**	<62	<62	<62	**14400**
MW-15D	15-Sep-00	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**16600**
	15-Mar-01	<62	<62	<62	<62	<62	<62	<62	<62	<62	**470 L**	<62	<62	<62	**17370**
MW-15D	26-Jun-01	<62	<62	<62	<62	<62	<62	<25	<25	<62	**330 L**	<62	<62	<62	**15530**
(duplicate)	26-Jun-01	<62	<62	<62	<62	<62	<62	<25	<25	<62	**340 L**	<62	<62	<62	**15440**
MW-15D	19-Sep-01	<62	<62	<62	<62	<62	<62	<25	<25	<62	<62	<62	<62	<62	**16800**
	28-Mar-02	<62	<62	<62	<62	<62	<62	<25	<25	<62	<62	<62	<62	<62	**13000**
	6-Jun-02	<62	<62	<62	<62	<62	<62	<25	<25	<62	**510 L**	<62	<62	<62	**25010**
	5-Sep-02	<100	<100	<100	<100	<100	<100	<40	<40	<100	**610 L**	<100	<100	<100	**16910**
	17-Dec-02	<62	<62	<62	<62	<62	<62	<25	<25	<62	<62	<62	<62	<62	**14000**
	21-Mar-03	<25	<25	<25	<25	<50	<25	<25	<25	<25	<100	<50	<25	<25	**13500**
	12-Jun-03	<50	<50	<50	<50	<100	<50	<50	<50	<50	<200	<100	<50	<50	**12000**
MW-15D	23-Sep-03	<25	<25	<25	<25	<50	<25	<25	<25	<25	<100	<50	<25	<25	**14650**
	18-Dec-03	<32	<32	<40	<32	<80	<40	<32	<32	<40	<160	<80	<32	<32	**15700**
	18-Mar-04	<50	<50	<62	<50	<120	<62	<50	<50	<62	<250	<120	<50	<50	**15400**
	22-Jun-04	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	**14400**
	8-Sep-04	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	**14200**
MW-15D	28-Dec-04	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	**13600**
(duplicate)	28-Dec-04	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	**13500**
MW-15D	16-Mar-05	<32	<32	<40	<32	<80	<40	<32	<32	<40	<160	<80	<32	<32	**15200**
(duplicate)	16-Mar-05	<32	<32	<40	<32	<80	<40	<32	<32	<40	<160	<80	<32	<32	**15300**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-15D	30-Jun-05	1100	5200	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
	20-Sep-05	2000	12000	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<20	<50
(duplicate)	20-Sep-05	1900	11000	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<20	<50
MW-15D	29-Dec-05	2200	15000	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80
MW-15D	17-May-06	1900	15000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
(duplicate)	17-May-06	2400	18000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
MW-15D	21-Nov-06	1700	16000	<120	<120	<120	<120	<120	<50	<50	<120	<120	<120	<120	<50	<120
(duplicate)	21-Nov-06	1800	17000	<120	<120	<120	<120	<120	<50	<50	<120	<120	<120	<120	<50	<120
MW-15D	23-May-07	990	11000	<100	<100	<100	<100	<100	<40	<40	<100	<100	<100	<100	<40	<100
MW-15D	5-Dec-07	810	8400	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80
(duplicate)	5-Dec-07	800	8400	<80	<80	<80	<80	<80	<32	<32	<80	<80	<80	<80	<32	<80
MW-15D	30-May-08	990	8400	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<50	<50
(duplicate)	30-May-08	710	7900	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<50	<50
MW-15D	25-Nov-08	1600	12000	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<50	<50
	20-May-09	820	4800	<20	<20	<20	<20	<20	<8.0	<8.0	<20	<20	<20	<20	<20	<20
	17-Nov-09	1100	6100	<50	<50	<50	<50	<50	<20	<20	<50	<50	<50	<50	<50	<50
MW-15D	13-May-10	690	3300	<25	<25	<25	<25	<25	<10	<10	<40	<25	<25	<25	<25	<25
MW-15D	16-Nov-10	540	1200	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
(duplicate)	16-Nov-10	460	880	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
MW-15D	12-May-11	500	1800	<8.0	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
(duplicate)	12-May-11	390	2200	29	<8.0	<8.0	<8.0	<8.0	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
MW-15D	10-Nov-11	650	2900	<10	<10	<10	<10	<10	<4.0	<4.0	<16	<10	<10	<10	<10	<10
(duplicate)	10-Nov-11	670	3000	<10	<10	<10	<10	<10	<4.0	<4.0	<16	<10	<10	<10	<10	<10
MW-15D	10-May-12	460	660	1.8	<0.20	1.6	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.67	<0.11	<0.068
(duplicate)	10-May-12	460	710	1.9	<10	1.8	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.72	<0.11	<0.068

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-15D	30-Jun-05	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	6300
	20-Sep-05	<20	<20	<25	<20	<50	<25	<20	<20	<20	<100	<50	<20	<20	14000
(duplicate)	20-Sep-05	<20	<20	<25	<20	<50	<25	<20	<20	<20	<100	<50	<20	<20	12900
MW-15D	29-Dec-05	<32	<32	<40	<32	<80	<40	<32	<32	<40	<160	<80	<32	<32	17200
MW-15D	17-May-06	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	16900
(duplicate)	17-May-06	<40	<40	<50	<40	<100	<50	<40	<40	<50	<200	<100	<40	<40	20400
MW-15D	21-Nov-06	<50	<50	<62	<50	<120	<62	<50	<50	<62	<250	<120	<50	<50	17700
(duplicate)	21-Nov-06	<50	<50	<62	<50	<120	<62	<50	<50	<62	<250	<120	<50	<50	18800
MW-15D	23-May-07	<40	<40	<50	<40	<100	<50	<50	<40	<50	<200	<100	<40	<40	11990
MW-15D	5-Dec-07	<32	<32	<40	<32	<80	<40	<40	<32	<32	<160	<80	<32	<32	9210
(duplicate)	5-Dec-07	<32	<32	<40	<32	<80	<40	<40	<32	<32	<160	<80	<32	<32	9200
MW-15D	30-May-08	<20	<50	<25	<20	<50	<25	<20	<20	<25	<100	<50	<20	<20	9390
(duplicate)	30-May-08	<20	<50	<25	<20	<50	<25	<20	<20	<25	<100	<50	<20	<20	8610
MW-15D	25-Nov-08	<20	<30	<25	<20	<50	<25	<20	<20	<20	<100	<50	<20	<20	13600
	20-May-09	<8.0	<12	<10	<8.0	<20	<10	<8.0	<8.0	<10	<40	<20	<8.0	<8.0	5620
	17-Nov-09	<20	<30	<25	<20	<50	<25	<20	<20	<25	<100	<50	<20	<20	7200
MW-15D	13-May-10	<10	<15	<13	<10	<25	<13	<10	<10	<13	<50	<25	<10	<10	3990
MW-15D	16-Nov-10	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	1740
(duplicate)	16-Nov-10	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	1340
MW-15D	12-May-11	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	2300
(duplicate)	12-May-11	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	2619
MW-15D	10-Nov-11	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	3550
(duplicate)	10-Nov-11	<4.0	<6.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	3670
MW-15D	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	1124.07
(duplicate)	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	1174.42

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-15D	29-Nov-12	350	1400	2.7	<0.40	3.6	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
(duplicate)	29-Nov-12	340	1300	2.1	<0.40	3.6	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
MW-15D	4-Jun-13	360	1400	2.8	1.2	2.6	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
(duplicate)	4-Jun-13	320	930	1.5	0.99	1.9	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-15D	11-Nov-13	500	1200	2.8	<1.0	4.4	<1.4	<0.95	<0.50	<0.37	<1.3	<1.7	<0.65	<0.85	<0.55	<0.34
(duplicate)	11-Nov-13	500	1300	2.6	<1.0	4.3	<1.4	<0.95	<0.50	<0.37	<1.3	<1.7	<0.65	<0.85	<0.55	<0.34
MW-15D	13-May-14	380	510	2.0	<0.40	1.4	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
(duplicate)	13-May-14	370	500	1.9	<0.40	1.5	<0.56	<0.38	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
MW-15D	6-Nov-14	960	2700	5.8	<1.0	8.6	<1.4	<0.95	<0.50	<0.37	<1.3	<1.7	<0.65	<0.85	<0.55	<0.34
(duplicate)	6-Nov-14	990	2700	6.6	<1.0	8.6	<1.4	<0.95	<0.50	<0.37	<1.3	<1.7	<0.65	<0.85	<0.55	<0.34
MW-15D	13-May-15	390	450	2.6	<0.20	1.7	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.76	<0.11	<0.068
(duplicate)	13-May-15	390	420	2.6	<0.20	1.6	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	0.87	<0.11	<0.068
MW-15D	11-Nov-15	370	400	2.6	0.83	1.2	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.63	<0.15	<0.22
(duplicate)	11-Nov-15	330	350	2.4	0.67	1.2	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-15D	17-May-16	390	500	3.0	<0.38	1.4	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.61	<0.15	<0.22
(duplicate)	17-May-16	400	490	2.1	<0.38	1.3	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	0.58	<0.15	<0.22
MW-15D	29-Nov-16	500	460	2.8	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
(duplicate)	29-Nov-16	440	410	2.9	<0.76	<0.78	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-15D	18-May-17	230	1100	3.1	<1.9	2.7	<2.0	<2.1	<1.0	<0.73	<1.9	<1.5	<0.92	<1.9	<0.76	<1.1
(duplicate)	18-May-17	280	1100	3.2	<1.9	2.9	<2.0	<2.1	<1.0	<0.73	<1.9	<1.5	<0.92	<1.9	<0.76	<1.1
MW-15D	16-Nov-17	200	1100	2.5	<0.76	2.2	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
(duplicate)	16-Nov-17	210	1200	2.1	<0.76	2.2	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-15D	9-May-18	170	780	<7.4	<7.4	<7.2	<10	<7.6	<10	<8.6	<6.6	<6.8	<6.6	<15	<9.6	<4.6
(duplicate)	9-May-18	190	850	<7.4	<7.4	<7.2	<10	<7.6	<10	<8.6	<6.6	<6.8	<6.6	<15	<9.6	14
MW-15D	28-Nov-18	130	960	1.5	<0.76	1.9	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-15D	29-Nov-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1756.3**
(duplicate)	29-Nov-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1645.7**
MW-15D	4-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**1766.6**
(duplicate)	4-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**1254.39**
MW-15D	11-Nov-13	<1.0	<0.90	<0.75	<0.70	<0.65	<1.2	<0.70	<0.90	<1.4	<3.4	<1.2	<1.2	<0.85	**1707.2**
(duplicate)	11-Nov-13	<1.0	<0.90	<0.75	<0.70	<0.65	<1.2	<0.70	<0.90	<1.4	<3.4	<1.2	<1.2	<0.85	**1806.9**
MW-15D	13-May-14	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**893.4**
(duplicate)	13-May-14	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**873.4**
MW-15D	6-Nov-14	<1.0	<0.90	<0.75	<0.70	<0.65	<0.80	<0.70	<0.90	<1.4	<3.4	<1.2	<1.2	<0.85	**3674.4**
(duplicate)	6-Nov-14	<1.0	<0.90	<0.75	<0.70	<0.65	<0.80	<0.70	<0.90	<1.4	<3.4	<1.2	<1.2	<0.85	**3705.2**
MW-15D	13-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**845.06**
(duplicate)	13-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**815.07**
MW-15D	11-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	**775.26**
(duplicate)	11-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	**684.27**
MW-15D	17-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**895.01**
(duplicate)	17-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**893.98**
MW-15D	29-Nov-16	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**962.8**
(duplicate)	29-Nov-16	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	**15 L**	<0.79	<0.80	<0.74	**867.9**
MW-15D	18-May-17	<1.9	<1.6	<2.0	<1.9	<2.1	<1.7	<1.8	<1.3	<2.3	<8.2	<2.0	<2.0	<1.9	**1335.8**
(duplicate)	18-May-17	<1.9	<1.6	<2.0	<1.9	<2.1	<1.7	<1.8	<1.3	<2.3	<8.2	<2.0	<2.0	<1.9	**1386.1**
MW-15D	16-Nov-17	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.92	<3.3	<0.79	<0.80	<0.74	**1304.7**
(duplicate)	16-Nov-17	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.92	<3.3	<0.79	<0.80	<0.74	**1414.3**
MW-15D	9-May-18	<10	<8.0	<8.4	<7.0	<7.6	<50	<9.4	<6.2	<7.4	<50	<6.0	<12	<8.8	**950**
(duplicate)	9-May-18	<10	<8.0	<8.4	<7.0	<7.6	<50	<9.4	<6.2	<7.4	<50	<6.0	<12	<8.8	**1054**
MW-15D	28-Nov-18	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1093.4**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
(duplicate)	28-Nov-18	**150**	**910**	**1.2**	<0.76	**1.9**	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-15D	13-May-19	**170**	**780**	**2.8**	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
(duplicate)	13-May-19	**160**	**820**	**1.6**	<0.38	**1.6**	<0.39	0.49	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	**0.20**	<0.22
MW-15D	13-Nov-19	**170**	**900**	**1.6**	<0.76	**2.2**	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
(duplicate)	13-Nov-19	**180**	**810**	**1.6**	<0.76	**2.2**	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-15D	13-May-20	**160**	**730**	**5.1**	<0.38	**1.9**	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
(duplicate)	13-May-20	**170**	**750**	**3.0**	<0.38	**2.0**	<0.39	**0.51**	**0.23**	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-15D	12-Nov-20	**270**	**760**	**1.7**	<0.76	**2.8**	<0.78	<0.82	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-16D	20-Apr-99	<0.49	**0.37**	<0.39	<0.28	<0.73	<0.20	<0.25	<0.46	<0.31	<1.1	<1.1	<0.38	<0.63	**0.56**	<1.1
	7-Mar-00	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	16-May-00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	15-Sep-00	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.50	<0.50	<0.50	<0.25	**0.16 B**	<0.50
MW-16D	26-Jun-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	**0.16 B**	<0.25
	19-Sep-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	18-Dec-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	27-Mar-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	6-Jun-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
MW-16D	6-Sep-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	11-Dec-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25
	20-Mar-03	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
	12-Jun-03	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
	22-Sep-03	<0.25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.50	<0.50	<0.50	<0.50	<0.25	<0.50
	18-Dec-03	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
MW-16D	17-Mar-04	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
MW-16D	21-Jun-04	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
(duplicate)	28-Nov-18	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1063.1**
MW-15D	13-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**952.8**
(duplicate)	13-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**983.89**
MW-15D	13-Nov-19	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1073.8**
(duplicate)	13-Nov-19	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**993.8**
MW-15D	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**897**
(duplicate)	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**925.74**
MW-15D	12-Nov-20	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1034.5**
MW-16D	20-Apr-99	ND	ND	ND	ND	ND	ND	ND	ND	<0.15	<0.87	ND	ND	ND	**0.93**
	7-Mar-00	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0
	16-May-00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**9.3 L**	<0.50	<0.50	<0.50	**9.3**
	15-Sep-00	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**0.12**	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0.28**
MW-16D	26-Jun-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0.16**
	19-Sep-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0**
	18-Dec-01	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	**3.1 L**	<0.25	<0.25	<0.25	**3.1**
	27-Mar-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0**
	6-Jun-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0**
MW-16D	6-Sep-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	<0.25	<0.25	<0.25	<0.25	**0**
	11-Dec-02	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.10	<0.25	**0.58 L**	<0.25	<0.25	<0.25	**0.58**
	20-Mar-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**0**
	12-Jun-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**0**
	22-Sep-03	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<1.0	<0.50	<0.25	<0.25	**0**
	18-Dec-03	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
MW-16D	17-Mar-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
MW-16D	21-Jun-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	**ES**	**5**	**70**	**100**	**200**	**7**	**5**	**850**	**0.2**	**5**	**5**		**700**	**5**	**800**	**2000**
NR 140	**PAL**	**0.5**	**7**	**20**	**40**	**0.7**	**0.5**	**85**	**0.02**	**0.5**	**0.5**		**140**	**0.5**	**160**	**400**
MW-16D	8-Sep-04	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	28-Dec-04	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	15-Mar-05	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	29-Jun-05	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	20-Sep-05	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
MW-16D	29-Dec-05	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
MW-16D	17-May-06	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	21-Nov-06	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	22-May-07	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50
	30-May-08	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	24-Nov-08	**4.7**	**1.3**	<0.50	**0.75**	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	20-May-09	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-16D	17-Nov-09	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12-May-10	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	15-Nov-10	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	12-May-11	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
	10-Nov-11	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	<0.80	<0.50	<0.50	<0.50	<0.50	<0.50
MW-16D	10-May-12	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	29-Nov-12	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	4-Jun-13	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	11-Nov-13	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	12-May-14	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	6-Nov-14	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
	13-May-15	<0.19	<0.12	<0.25	<0.20	<0.31	<0.28	<0.19	<0.10	<0.074	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-16D	11-Nov-15	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	**ES**	**6**	**30**	**--**	**--**	**--**	**100**	**480***	**480***	**5**	**5**	**60**	**0.2**	**0.6**	**--**
NR 140	**PAL**	**0.6**	**3**	**--**	**--**	**--**	**10**	**96***	**96***	**0.5**	**0.5**	**12**	**0.02**	**0.06**	**--**
MW-16D	8-Sep-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	**1.6 L**	<0.50	<0.20	<0.20	**1.6**
	28-Dec-04	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	15-Mar-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	29-Jun-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	20-Sep-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	**1.1** L	<0.50	<0.20	<0.20	**1.1**
MW-16D	29-Dec-05	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
MW-16D	17-May-06	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	21-Nov-06	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	22-May-07	<0.20	<0.20	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	30-May-08	<0.20	<0.50	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	24-Nov-08	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**6.75**
	20-May-09	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
MW-16D	17-Nov-09	<0.20	<0.30	<0.25	<0.20	<0.50	2.4	0.33	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**2.73**
	12-May-10	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	15-Nov-10	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	12-May-11	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
	10-Nov-11	<0.20	<0.30	<0.25	<0.20	<0.50	<0.25	<0.20	<0.20	<0.25	<1.0	<0.50	<0.20	<0.20	**0**
MW-16D	10-May-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	29-Nov-12	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	4-Jun-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	11-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	12-May-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	6-Nov-14	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
	13-May-15	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	<0.28	<0.68	<0.24	<0.23	<0.17	**0**
MW-16D	11-Nov-15	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.46	<0.37	**0**

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-16D	17-May-16	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	29-Nov-16	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	18-May-17	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	16-Nov-17	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	10-May-18	<0.48	<0.41	<0.37	<0.37	<0.36	<0.50	<0.38	<0.50	<0.43	<0.33	<0.34	<0.33	<0.74	<0.48	<0.23
MW-16D	28-Nov-18	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-16D	13-May-19	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	13-Nov-19	**0.42**	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	13-May-20	**0.45**	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-16D	12-Nov-20	<0.16	<0.41	<0.35	<0.38	<0.39	<0.39	<0.41	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
MW-17D	20-Apr-99	**430**	**230**	<7.8	**560**	**120**	<4.0	**6.8**	<9.2	<4.0	<22	<22	<7.6	<13	<7.8	<22
	7-Mar-00	**370**	**160**	**3.9**	**560**	**130**	**1.3**	**7.4**	**0.3**	**0.19**	<0.25	<0.25	<0.25	**0.38**	**0.37**	<0.25
	16-May-00	**350**	**160**	<5.0	**540**	**150**	<5.0	**7**	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
MW-17D	15-Sep-00	**230**	**140**	<2.5	**340**	**73**	<2.5	**4.9**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-17D	15-Mar-01	**370**	**220**	<2.5	**540**	**130**	<2.5	**7.8**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	26-Jun-01	**340**	**250**	<2.5	**430**	**110**	<2.5	**8.4**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	19-Sep-01	**410**	**330**	<2.5	**490**	**120**	<2.5	**8.6**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
	19-Dec-01	**500**	**440**	<100	**550**	<100	<100	<100	<100	<40	<100	<100	<100	<100	<40	<100
MW-17D	27-Mar-02	**450**	**420**	**3.1**	**390**	**99**	<2.5	**7.6**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
(duplicate)	27-Mar-02	**420**	**400**	<2.5	**370**	**94**	<2.5	**7.3**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-17D	6-Jun-02	**560**	**560**	<2.5	**390**	**98**	<2.5	**7.3**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
(duplicate)	6-Jun-02	**580**	**590**	<2.5	**400**	**97**	<2.5	**7.9**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-17D	6-Sep-02	**760**	**820**	**3.5**	**460**	**110**	<2.5	**10**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
(duplicate)	6-Sep-02	**800**	**780**	<2.5	**420**	**100**	<2.5	**10**	<2.5	<1.0	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5
MW-17D	11-Dec-02	**900**	**880**	<4.0	**450**	**120**	<4.0	**11**	<4.0	<1.6	<4.0	<4.0	<4.0	<4.0	<1.6	<4.0

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-16D	17-May-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0
	29-Nov-16	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0
	18-May-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	0
	16-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	0
	10-May-18	<0.50	<0.40	<0.42	<0.35	<0.38	<2.5	<0.47	<0.31	<0.37	<2.5	<0.30	<0.62	<0.44	0
MW-16D	28-Nov-18	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0
MW-16D	13-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0
	13-Nov-19	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0.42
	13-May-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0.45
MW-16D	12-Nov-20	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	0
MW-17D	20-Apr-99	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<17	<3.0	<3.0	<3.0	1346.8
	7-Mar-00	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.7	0.66 L	<0.25	<0.25	<0.25	1236.2
	16-May-00	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	79 L	<5.0	<5.0	<5.0	1286
MW-17D	15-Sep-00	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	787.9
MW-17D	15-Mar-01	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	18 L	<2.5	<2.5	<2.5	1285.8
	26-Jun-01	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	13 L	<2.5	<2.5	<2.5	1151.4
	19-Sep-01	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	1358.6
	19-Dec-01	<100	<100	<100	<100	<100	<100	<40	<40	<100	170 L	<100	<100	<100	1660
MW-17D	27-Mar-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	8.1 L	<2.5	<2.5	<2.5	1377.8
(duplicate)	27-Mar-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	8.0 L	<2.5	<2.5	<2.5	1299.3
MW-17D	6-Jun-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	20 L	<2.5	<2.5	<2.5	1635.3
(duplicate)	6-Jun-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	21 L	<2.5	<2.5	<2.5	1695.9
MW-17D	6-Sep-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	16 L	<2.5	<2.5	<2.5	2179.5
(duplicate)	6-Sep-02	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<1.0	<2.5	15 L	<2.5	<2.5	<2.5	2125
MW-17D	11-Dec-02	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.6	<1.6	<4.0	<4.0	<4.0	<4.0	<4.0	2361

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-17D	20-Mar-03	1400	1000	<12	460	110	<12	<12	<12	<6.2	<12	<12	<12	<12	<6.2	<12
MW-17D	12-Jun-03	1200	970	<10	430	110	<10	13	<10	<5.0	<10	<10	<10	<10	<5.0	<10
MW-17D	22-Sep-03	1200	870	<12	400	100	<12	13	<6.2	<6.2	<12	<12	<12	<12	<6.2	<12
(duplicate)	22-Sep-03	1200	890	<12	410	110	<12	12	<6.2	<6.2	<12	<12	<12	<12	<6.2	<12
MW-17D	18-Dec-03	1400	1000	<12	460	120	<12	16	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
	17-Mar-04	1500	1100	<12	480	120	<12	17	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
(duplicate)	17-Mar-04	1600	1100	<12	500	130	<12	17	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	22-Jun-04	1500	1000	<20	470	130	<20	<20	<8.0	<8.0	<20	<20	<20	<20	<8.0	<20
MW-17D	8-Sep-04	1400	960	<10	490	120	<10	18	<4.0	<4.0	<10	<10	<10	<10	<4.0	<10
MW-17D	28-Dec-04	1200	800	<12	390	110	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	16-Mar-05	1100	790	<12	400	110	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	30-Jun-05	1000	640	<12	330	87	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
(duplicate)	30-Jun-05	960	620	<12	310	82	<12	<12	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	20-Sep-05	1300	770	<10	420	120	<10	17	<4.0	<4.0	<10	<10	<10	<10	<4.0	<10
MW-17D	29-Dec-05	1400	840	<12	460	130	<12	19	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
(duplicate)	29-Dec-05	1400	820	<12	460	130	<12	18	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	17-May-06	1200	630	<12	360	100	<12	15	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
	21-Nov-06	1300	680	<12	390	110	<12	17	<5.0	<5.0	<12	<12	<12	<12	<5.0	<12
MW-17D	23-May-07	430	350	<5.0	170	54	<5.0	10	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
(duplicate)	23-May-07	450	370	<5.0	180	55	<5.0	11	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0
MW-17D	5-Dec-07	640	400	<4.0	180	53	<4.0	9.1	<1.6	<1.6	<4.0	<4.0	<4.0	<4.0	<1.6	<4.0
	30-May-08	940	550	<4.0	270	92	<4.0	14	<1.6	<1.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
MW-17D	24-Nov-08	1300	670	<8.0	290	110	<8.0	18	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
(duplicate)	24-Nov-08	1300	690	<8.0	290	110	<8.0	19	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
MW-17D	20-May-09	1000	430	<8.0	240	95	<8.0	13	<3.2	<3.2	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-17D	20-Mar-03	<6.2	<6.2	<6.2	<6.2	<12	<6.2	<6.2	<6.2	<6.2	<25	<12	<6.2	<6.2	2970
MW-17D	12-Jun-03	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<20	<10	<5.0	<5.0	2723
MW-17D	22-Sep-03	<6.2	<6.2	<6.2	<6.2	<12	<6.2	<6.2	<6.2	<6.2	<25	<12	<6.2	<6.2	2583
(duplicate)	22-Sep-03	<6.2	<6.2	<6.2	<6.2	<12	<6.2	<6.2	<6.2	<6.2	<25	<12	<6.2	<6.2	2622
MW-17D	18-Dec-03	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2996
	17-Mar-04	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	3217
(duplicate)	17-Mar-04	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	3347
MW-17D	22-Jun-04	<8.0	<8.0	<10	<8.0	<20	<10	<8.0	<8.0	<10	<40	<20	<8.0	<8.0	3100
MW-17D	8-Sep-04	<4.0	<4.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	2988
MW-17D	28-Dec-04	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2500
MW-17D	16-Mar-05	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2400
MW-17D	30-Jun-05	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2057
(duplicate)	30-Jun-05	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	1972
MW-17D	20-Sep-05	<4.0	<4.0	<5.0	<4.0	<10	<5.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	2627
MW-17D	29-Dec-05	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2849
(duplicate)	29-Dec-05	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2828
MW-17D	17-May-06	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2305
	21-Nov-06	<5.0	<5.0	<6.2	<5.0	<12	<6.2	<5.0	<5.0	<6.2	<25	<12	<5.0	<5.0	2497
MW-17D	23-May-07	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	16 L	<5.0	<2.0	<2.0	1030
(duplicate)	23-May-07	<2.0	<2.0	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	16 L	<5.0	<2.0	<2.0	1082
MW-17D	5-Dec-07	<1.6	<1.6	<2.0	<1.6	<4.0	<2.0	<1.6	<1.6	<2.0	<8.0	<4.0	<1.6	<1.6	1282.1
	30-May-08	<1.6	<4.0	<2.0	<1.6	<4.0	<2.0	<1.6	<1.6	<2.0	<8.0	<4.0	<1.6	<1.6	1866
MW-17D	24-Nov-08	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	2388
(duplicate)	24-Nov-08	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	2409
MW-17D	20-May-09	<3.2	<4.8	<4.0	<3.2	<8.0	<4.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	1778

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI. 2/4/2021

WELL ID	Sample Date	Trichloroethene (ug/L)	cis-1,2-Dichloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	Vinyl Chloride (ug/L)	Benzene (ug/L)	Carbon Tetrachloride	1,1-Dichloropropene	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Xylenes (Total) (ug/L)
NR 140	ES	5	70	100	200	7	5	850	0.2	5	5		700	5	800	2000
NR 140	PAL	0.5	7	20	40	0.7	0.5	85	0.02	0.5	0.5		140	0.5	160	400
MW-17D	17-Nov-09	1300	560	<10	310	110	<10	16	<4.0	<4.0	<10	<10	<10	<10	<10	<10
	13-May-10	1100	500	<13	240	91	<13	14	<5.0	<5.0	<20	<13	<13	<13	<13	<13
MW-17D	15-Nov-10	1200	550	<5.0	240	130	<5.0	15	<2.0	<2.0	<8.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12-May-11	1200	530	<8.0	240	110	<8.0	15	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
	10-Nov-11	880	450	<8.0	190	75	<8.0	13	<3.2	<3.2	<13	<8.0	<8.0	<8.0	<8.0	<8.0
	10-May-12	1000	550	2.7	220	90	<0.56	14	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
MW-17D	29-Nov-12	1100	520	3.0	220	110	<0.56	15	0.51	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
MW-17D	4-Jun-13	960	460	2.3	190	79	<0.56	12	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
	11-Nov-13	900	470	3.1	190	84	0.59	14	<0.10	<0.071	<0.26	<0.34	<0.13	<0.17	<0.11	<0.068
MW-17D	12-May-14	950	500	2.5	150	74	<0.56	14	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
	6-Nov-14	1300	570	5.3	200	96	<1.4	15	<0.50	<0.37	<1.3	<1.7	<0.65	<0.85	<0.55	<0.34
	13-May-15	1200	560	3.6	190	91	<0.56	16	<0.20	<0.15	<0.52	<0.68	<0.26	<0.34	<0.22	<0.14
	11-Nov-15	700	410	2.3	130	65	<0.78	13	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	17-May-16	930	480	3.2	140	75	<2.0	12	<1.0	<0.73	<1.9	<1.5	<0.92	<1.9	<0.76	<1.1
MW-17D	29-Nov-16	890	480	2.9	130	68	<0.78	12	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	18-May-17	860	530	3.8	140	86	<0.78	15	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	16-Nov-17	650	510	2.8	97	63	<0.39	13	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	10-May-18	530	390	<3.7	81	48	<5.0	12	<5.0	<4.3	<3.3	<3.4	<3.3	<7.4	<4.8	<2.3
	28-Nov-18	760	560	<0.70	100	60	<0.78	11	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	13-May-19	860	570	3.4	120	72	<0.39	15	<0.20	<0.15	<0.38	<0.30	<0.18	<0.37	<0.15	<0.22
	13-Nov-19	780	610	3.3	140	79	<0.78	13	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
	13-May-20	880	510	3.8	120	93	<0.78	16	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44
MW-17D	12-Nov-20	580	430	2.1	67	45	<0.78	11	<0.41	<0.29	<0.77	<0.59	<0.37	<0.74	<0.30	<0.44

Table 2. Summary of Monitor Well Sampling VOCs Analytical Results, Former Sta-Rite Facility, Deerfield, WI.

2/4/2021

WELL ID	Sample Date	Chloroform (ug/L)	Chloromethane (ug/L)	sec-Butylbenzene (ug/L)	Isopropylbenzene (ug/L)	n-propylbenzene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethylbenzene (ug/L)	1,3,5-trimethylbenzene (ug/L)	1,1,2-Trichloroethane (ug/L)	Methylene Chloride (ug/L)	Methyl-t-butyl-ether (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	Bromodichloromethane (ug/L)	Total VOCs (ug/L)
NR 140	ES	6	30	--	--	--	100	480*	480*	5	5	60	0.2	0.6	--
NR 140	PAL	0.6	3	--	--	--	10	96*	96*	0.5	0.5	12	0.02	0.06	--
MW-17D	17-Nov-09	<4.0	<6.0	<5.0	<4.0	<10	9.0	<4.0	<4.0	<5.0	<20	<10	<4.0	<4.0	**2305**
	13-May-10	<5.0	<7.5	<6.3	<5.0	<13	<6.3	<5.0	<5.0	<6.3	<25	<13	<5.0	<5.0	**1945**
MW-17D	15-Nov-10	<2.0	<30	<2.5	<2.0	<5.0	<2.5	<2.0	<2.0	<2.5	<10	<5.0	<2.0	<2.0	**2135**
	12-May-11	<3.2	<4.8	<4.0	<3.2	<8.0	<8.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**2095**
	10-Nov-11	<3.2	<4.8	<4.0	<3.2	<8.0	<8.0	<3.2	<3.2	<4.0	<16	<8.0	<3.2	<3.2	**1608**
	10-May-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1876.7**
MW-17D	29-Nov-12	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1968.51**
MW-17D	4-Jun-13	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1703.3**
	11-Nov-13	<0.20	<0.18	<0.15	<0.14	<0.13	<0.16	<0.14	<0.18	**0.93**	<0.68	<0.24	<0.23	<0.17	**1662.62**
MW-17D	12-May-14	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**1690.5**
	6-Nov-14	<1.0	<0.90	<0.75	<0.70	<0.65	<0.80	<0.70	<0.90	<1.4	<3.4	<1.2	<1.2	<0.85	**2186.3**
	13-May-15	<0.40	<0.36	<0.30	<0.28	<0.26	<0.32	<0.28	<0.36	<0.56	<1.4	<0.48	<0.46	<0.34	**2060.6**
	11-Nov-15	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.92	<0.74	**1320.3**
	17-May-16	<1.9	<1.6	<2.0	<1.9	<2.1	<1.7	<1.8	<1.3	<1.8	<8.2	<2.0	<2.0	<1.9	**1640.2**
MW-17D	29-Nov-16	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1582.9**
	18-May-17	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.92	<3.3	<0.79	<0.80	<0.74	**1634.8**
	16-Nov-17	<0.37	<0.32	<0.40	<0.39	<0.41	<0.34	<0.36	<0.25	<0.46	<1.6	<0.39	<0.40	<0.37	**1335.8**
	10-May-18	<5.0	<4.0	<4.2	<3.5	<3.8	<25	<4.7	<3.1	<3.7	<25	<3.0	<6.2	<4.4	**1061**
	28-Nov-18	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1491**
	13-May-19	<0.37	<0.32	<0.40	<0.39	<0.41	**0.46**	<0.36	<0.25	<0.35	<1.6	<0.39	<0.40	<0.37	**1640.86**
	13-Nov-19	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	1.1	<3.3	<0.79	<0.80	<0.74	**1626.4**
	13-May-20	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1622.8**
MW-17D	12-Nov-20	<0.74	<0.64	<0.80	<0.77	<0.83	<0.67	<0.72	<0.51	<0.70	<3.3	<0.79	<0.80	<0.74	**1135.1**

Notes:

* - Listed ES and PAL for total trimethylbenzenes (1,2,4- and 1,3,5- combined).
3/10/00 trip blank contained Methylene chloride (0.59 ug/l), naphthalene (0.35 ug/l), toluene (0.65 ug/l), and xylenes (0.25 ug/l)
Wells MW-14S and MW-14I were abandoned during soil excavation activities, and replaced February 2000.
Groundwater remediation system (extraction well EW-1) became operational March 20, 2000.
Sept. 2000 sampling round sample collected from MW-16D contained 0.16 ug/L toluene and 0.12 ug/L 1,2,4-trimethylbenzene.
B - Detected in associated blank sample.
L - Common laboratory solvent and contaminant.
12/18/01: MW-15D not sampled because a truck trailer was parked over the well.
12/11/02: There wasn't enough water in MW-14SR to collect a groundwater sample.
12/05/07: MW-16D was not sampled as the well was covered by a pile of snow.

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-1S	12/20/1996	9:40	7.62	14.6	5	1.1	8.5	550	6.60			860.11	852.49
	3/18/2000	11:30	9.00	14.6	5	0.9	5.5	852	6.73			860.11	851.11
MW-1I	12/18/1996	16:20	7.70	27.6	13 (dry)	3.2	8.4	600	6.28			860.15	852.45
	3/18/2000	11:40	9.47	27.5	13	2.9	7.3	741	7.14			860.15	850.68
MW-2S	12/18/1996	15:30	8.57	14.9	4	1.0	8.2	1425	6.43			859.88	851.31
	3/17/2000	10:45	9.53	14.8	5	0.9	7.8	1926	7.00			859.88	850.35
	5/17/2000	11:15	9.60									859.88	850.28
MW-5S	12/20/1996	12:20	4.94	14.7	6	1.6	10.6	725	6.63			857.40	852.46
	3/11/2000	10:10	6.65	14.5	6	1.3	7.5	953	7.00			857.40	850.75
	5/17/2000	12:25	6.56									857.40	850.84
MW-5I	12/20/1996	13:00	5.14	24.8	13	3.2	9.4	700	6.56			857.56	852.42
	3/11/2000	10:30	6.94	24.7	13	2.9	7.3	1000	7.11			857.56	850.62
	5/17/2000	12:30	6.87									857.56	850.69
MW-10S	12/20/1996	14:10	6.94	13.9	5	1.1	9.2	600	5.94			860.32	853.38
	March 2000 through December 2002				Tree roots blocking well screen.								
MW-10S	3/21/2003	11:00	12.74	14.4	0.5	0.3	6.3	1537	7.02			860.32	847.58
	6/12/2003	12:30	10.72	14.4	2	0.6	15.0	1123	6.96			860.32	849.60
	9/23/2003	8:30	12.00	14.4	1	0.4	13.2	1907	6.98			860.32	848.32
	12/19/2003	11:05	11.03	14.4	3	0.5	9.8	1505	6.41			860.32	849.29
	6/22/2004	9:50	6.46	14.4	5	1.3	14.1	1260	6.67			860.32	853.86
	9/4/2004	11:15	8.23	14.4	4	1.0	15.3	1781	6.81			860.32	852.09
	12/28/2004	11:40	9.55	13.7	2.25	0.7	8.9	825	6.92			860.32	850.77
	6/29/2005	13:30	9.36	13.7	2	0.7	13.6	1484	6.99			860.32	850.96
	9/20/2005	14:00	10.75	14.4	2	0.6	19.1	1517	6.79			860.32	849.57
	12/29/2005	10:35	11.27	13.8	1	0.4	9.3	1510	7.05			860.32	849.05
	5/16/2006	16:30	8.71	13.8	3	0.8	10.6	1640	6.95			860.32	851.61
	11/21/2006	13:30	7.48	13.8	4	1.0	12.2	3549	6.94			860.32	852.84
	5/22/2007	18:20	6.85	13.8	4	1.1	11.1	1280	6.65			860.32	853.47
MW-10S	12/4/2007	15:50	7.62	13.8	4	1.0	14.2	1140	6.88			860.32	852.70

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-10S	5/29/2008	12:40	5.93	13.8	4	1.3	13.3	1220	6.43			860.32	854.39
	11/25/2008	9:20	7.70	13.8	5	1.0	11.6	1420	6.95			860.32	852.62
	5/19/2009	14:35	5.97	13.8	5	1.3	15.0	1200	6.74			860.32	854.35
MW-10S	11/18/2009	14:15	8.05	13.8	5	0.9	10.5	1568	6.76			860.32	852.27
	5/13/2010	14:20	6.86	13.8	4 (dry)	1.1	13.0	1730	7.36			860.32	853.46
	11/16/2010	14:30	7.96	13.8	2 (dry)	0.9	13.2	1801	6.74			860.32	852.36
	5/12/2011	14:55	6.43	13.8	5.5 (dry)	1.2	12.1	1906	7.50			860.32	853.89
	11/9/2011	14:30	8.83	13.8	2 (dry)	0.8	13.8	1620	7.01			860.32	851.49
	5/10/2012	14:40	7.09	13.8	5 (dry)	1.1	12.1	1456	7.45			860.32	853.23
	12/12/2012	10:50	10.48	13.8	2	0.5	12.8	1468	7.51			860.32	849.84
	6/5/2013	11:10	6.16	13.8	5	1.2	12.4	1756	7.52			860.32	854.16
	11/12/2013	9:00	8.28	13.8	3 (dry)	0.9	12.9	1390	7.39			860.32	852.04
	5/13/2014	9:30	6.97	13.8	4 (dry)	1.1	8.4	1548	7.50			860.32	853.35
	11/6/2014	15:00	7.86	13.8	2 (dry)	1.0	12.7	1485	7.03			860.32	852.46
	5/14/2015	9:10	8.06	13.8	3 (dry)	0.9	8.8	1391	7.24			860.32	852.26
	11/11/2015	15:00	8.36	13.8	2 (dry)	0.9	14.1	1417	6.88			860.32	851.96
	5/18/2016	9:40	6.79	13.8	4 (dry)	1.1	10.3	1672	7.17			860.32	853.53
	11/28/2016	14:20	7.09	13.8	4 (dry)	1.1	13.1	1798	7.80			860.32	853.23
	5/17/2017	12:30	5.90	13.8	5 (dry)	1.3	13.6	1950	6.96			860.32	854.42
	11/15/2017	13:20	7.49	13.8	5 (dry)	1.0	16.0	1723	6.88			860.32	852.83
	5/9/2018	13:00	6.56	13.8	3 (dry)	1.2	10.9	1506	6.75			860.32	853.76
	11/28/2018	14:30	5.74	13.8	4 (dry)	1.3	11.9	1918	6.86			860.32	854.58
	5/15/2019	13:30	5.47	13.8	4 (dry)	1.3	10.6	1721	7.02			860.32	854.85
	11/11/2019	15:00	5.81	13.8	5 (dry)	1.3	12.1	1641	6.85			860.32	854.51
	5/13/2020	12:10	5.69	13.8	6 (dry)	1.3	11.1	1684	6.72			860.32	854.63
MW-10S	11/12/2020	12:35	7.05	13.8	4 (dry)	1.1	14.8	2125	7.35			860.32	853.27
MW-10I	12/20/1996	14:40	7.24	26.5	13	3.1	9.5	780	6.04			860.46	853.22
	3/18/2000	12:30	10.58	26.3	13	2.6	7.3	911	7.30			860.46	849.88
MW-10I	5/17/2000	11:20	10.93	26.3	13	2.5	12.6	832	7.08			860.46	849.53

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-10I	9/15/2000	16:45	8.95	26.3	26	2.8	14.8	888	7.21			860.46	851.51
MW-10I	6/26/2001	18:00	8.24	26.3	13	2.9	12.9	604	7.46			860.46	852.22
	9/20/2001	11:00	9.33	26.3	4	2.8	15.8	898	7.52			860.46	851.13
	12/18/2001	11:50	9.25	26.5	4	2.8	11.4	617	7.42			860.46	851.21
MW-10I	3/27/2002	15:05	8.53	26.5	9	2.9	10.1	885	7.28			860.46	851.93
	6/6/2002	15:20	8.04	26.3	16	3.0	15.6	658	7.65			860.46	852.42
	9/5/2002	13:15	10.70	26.5	8	2.6	11.6	873.6	7.45	0.62	247	860.46	849.76
	12/11/2002	14:20	12.05	26.3	10	2.3	10.9	930	7.42			860.46	848.41
MW-10I	3/20/2003	14:30	12.83	26.3	7	2.2	13.9	969	7.29			860.46	847.63
(duplicate)	3/20/2003	14:35	12.83	26.3	7	2.2	14.0	968	7.26			860.46	847.63
MW-10I	6/12/2003	12:10	11.30	26.3	7.5	2.4	11.4	966	7.12			860.46	849.16
	9/23/2003	8:15	12.32	26.3	7	2.3	13.8	926	7.17			860.46	848.14
	6/22/2004	12:55	7.26	26.3	10	3.1	15.7	1022	7.46			860.46	853.20
	9/8/2004	11:45	8.66	26.3	9	2.9	12.1	881	7.16			860.46	851.80
	12/28/2004	13:12	9.97	26.4	9	2.7	10.2	1054	7.21			860.46	850.49
	6/29/2005	13:00	9.70	26.4	11	2.7	12.9	1062	7.01			860.46	850.76
MW-10I	9/20/2005	14:10	11.10	26.3	8	2.5	13.3	1062	7.22			860.46	849.36
	12/29/2005	10:45	11.51	26.3	11	2.4	10.3	1118	7.32			860.46	848.95
	5/16/2006	16:15	8.90	26.3	15	2.8	11.4	1123	7.85			860.46	851.56
	11/21/2006	13:40	7.88	26.3	15	3.0	11.5	1155	7.50			860.46	852.58
	5/22/2007	18:50	7.39	26.3	15	3.1	11.5	550	7.25			860.46	853.07
	12/4/2007	15:20	7.90	26.3	20	3.0	13.8	530	7.17			860.46	852.56
	5/29/2008	13:00	6.22	26.3	20	3.3	13.0	1330	6.88			860.46	854.24
	11/25/2008	10:05	8.10	26.3	10	3.0	13.2	1054	6.99			860.46	852.36
	5/19/2009	14:50	6.57	26.3	20	3.2	14.6	690	7.18			860.46	853.89
	11/18/2009	14:30	8.44	26.3	12	2.9	11.0	568	7.14			860.46	852.02
	5/13/2010	14:35	6.94	26.3	15	3.2	12.6	1180	7.97			860.46	853.52
	11/16/2010	14:20	8.23	26.3	15	2.9	12.9	1139	6.86			860.46	852.23
MW-10I	5/12/2011	14:45	6.40	26.3	15	3.2	14.2	1205	7.90			860.46	854.06

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

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MW-10I	11/9/2011	15:30	8.67	26.3	15	2.9	11.1	1230	7.28			860.46	851.79
MW-10I	5/10/2012	15:30	6.94	26.3	20	3.2	11.8	1214	7.88			860.46	853.52
	12/12/2012	11:50	10.57	26.3	10	2.6	12.7	1226	7.62			860.46	849.89
	6/5/2013	11:40	6.58	26.3	15	3.2	12.0	1113	7.76			860.46	853.88
MW-10I	11/12/2013	8:17	8.17	26.3	15	3.0	13.1	1102	7.70			860.46	852.29
	5/13/2014	10:10	6.91	26.3	15	3.2	10.0	1084	7.74			860.46	853.55
	11/6/2014	15:20	7.92	26.3	15	3.0	12.5	1050	7.35			860.46	852.54
	5/14/2015	9:30	8.23	26.3	15	2.9	9.8	1032	7.38			860.46	852.23
MW-10I	11/11/2015	15:20	8.26	26.3	15	2.9	12.6	1039	7.05			860.46	852.20
	5/18/2016	9:50	6.96	26.3	15	3.2	10.5	1112	7.43			860.46	853.50
	11/28/2016	13:50	7.08	26.3	15	3.1	11.4	1149	7.25			860.46	853.38
	5/17/2017	12:40	6.10	26.3	15	3.3	12.5	1118	7.35			860.46	854.36
	11/15/2017	13:40	7.74	26.3	15	3.0	14.5	1152	7.17			860.46	852.72
	5/9/2018	13:30	6.73	26.3	15	3.2	11.0	1099	7.26			860.46	853.73
	11/28/2018	14:50	6.00	26.3	15	3.3	11.8	1046	7.39			860.46	854.46
	5/15/2019	13:50	5.78	26.3	15	3.3	11.3	946	7.42			860.46	854.68
	11/11/2019	14:40	6.02	26.3	15	3.3	13.6	990	6.96			860.46	854.44
	5/13/2020	12:30	6.02	26.3	15	3.3	10.8	1008	7.05			860.46	854.44
MW-10I	11/12/2020	12:20	7.40	26.3	15	3.1	14.2	1164	7.63			860.46	853.06
MW-14S	12/20/1996	16:00	10.44	14.8	3 (dry)	0.7	8.9	500	5.87			864.06	853.62
MW-14SR	3/18/2000	14:30	14.05	15.1	0.5 (dry)	0.2	7.8	2042	7.05			864.82	850.77
	5/17/2000	10:40	13.77	15.1	0.5 (dry)	0.2	13.9	2482	6.81			864.82	851.05
	9/14/2000	8:45	11.33	15.1	3 (dry)	0.6	13.1	2199	6.98			864.82	853.49
	12/28/2000	10:20	13.87	15.1	1 (dry)	0.2	6.3	2499	7.06			864.82	850.95
	3/16/2001	11:33	10.74	15.1	2.5 (dry)	0.7	8.9	2154	6.99	8.73	351	864.82	853.32
	6/26/2001	16:35	10.46	15.1	4 (dry)	0.8	19.8	1872	7.10			864.82	854.36
	9/20/2001	11:40	10.84	15.1	2 (dry)	0.7	16.8	1400	7.42			864.82	853.98
	12/18/2001	10:45	12.07	15.0	2(dry)	0.6	12.5	1105	6.99			864.82	852.75
MW-14SR	3/27/2002	13:50	10.46	15.0	3	0.7	9.4	2060	7.01			864.82	854.36

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MW-14SR	6/6/2002	10:55	10.33	15.1	4	0.8	15.2	683	7.70			864.82	854.49
MW-14SR	9/5/2002	14:15	14.15	15.0	0.5	0.1	17.3	820.1	7.54			864.82	850.67
MW-14SR	12/11/2002		14.80	15.1	Not enough water in well to purge & sample.							864.82	850.02
	3/20/2003		14.82	15.1	Not enough water in well to purge & sample.							864.82	850.00
MW-14SR	6/12/2003	10:30	14.45	15.1	0.5	Not enough water in well to purge & sample.						864.82	850.37
	12/18/2003	15:30	11.23	15.1	3	0.6	10.3	654	6.92			864.82	853.59
	6/21/2004	12:15	8.56	15.1	6	1.1	14.8	1050	6.79			864.82	856.26
	9/8/2004	13:15	12.01	15.1	2	0.5	15.3	623	7.22			864.82	852.81
MW-14SR	12/28/2004	9:58	13.44	15.1	1	0.3	9.6	680	7.31			864.82	851.38
	6/29/2005	12:30	13.45	15.1	1	0.3	12.3	621	6.99			864.82	851.37
	9/20/2005		14.71	15.1	Not enough water in well to purge & sample.							864.82	850.11
	12/29/2005		14.73	15.0	Not enough water in well to purge & sample.							864.82	850.09
	5/16/2006	16:45	10.43	15.1	6	0.8	16.0	385	7.58			864.82	854.39
	11/21/2006	13:10	10.19	15.1	8	0.8	13.0	764	7.63			864.82	854.63
	5/22/2007	18:30	9.86	15.1	10	0.9	10.5	290	7.34			864.82	854.96
	12/4/2007	14:50	11.52	15.1	3	0.6	13.3	520	7.23			864.82	853.30
MW-14SR	5/29/2008	12:10	9.48	15.1	8	0.9	12.6	950	7.08			864.82	855.34
	11/25/2008	11:15	11.15	15.1	4	0.6	9.2	324	7.38			864.82	853.67
	5/19/2009	14:10	9.22	15.1	4	1.0	14.3	740	7.39			864.82	855.60
	11/18/2009	13:45	10.91	15.1	4	0.7	9.4	590	7.28			864.82	853.91
	5/13/2010	13:50	9.85	15.1	3.5	0.9	12.0	380	8.58			864.82	854.97
	11/16/2010	14:05	11.34	15.1	2 (dry)	0.6	13.0	561	7.16			864.82	853.48
	5/12/2011	14:10	9.30	15.1	4.5	0.9	13.2	683	8.00			864.82	855.52
	11/9/2011	13:10	10.24	15.1	5	0.8	12.5	398	7.59			864.82	854.58
	5/10/2012	16:20	9.10	15.1	5	1.0	10.5	627	7.83			864.82	855.72
	12/12/2012	9:40	14.29	15.1	0.5	0.1	10.9	620	7.88			864.82	850.53
	6/5/2013	13:00	9.02	15.1	6	1.0	12.1	709	7.70			864.82	855.80
MW-14SR	11/12/2013	8:20	11.12	15.1	3 (dry)	0.6	11.5	558	7.84			864.82	853.70
MW-14SR	5/13/2014	11:00	9.30	15.1	5	0.9	9.1	518	7.87			864.82	855.52

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-14SR	11/7/2014	10:10	11.62	15.1	3 (dry)	0.6	13.5	595	7.43			864.82	853.20
MW-14SR	5/14/2015	10:10	10.80	15.1	3 (dry)	0.7	8.9	545	7.90			864.82	854.02
MW-14SR	11/12/2015	8:20	12.12	15.1	2 (dry)	0.5	13.0	560	7.03			864.82	852.70
	5/18/2016	10:50	9.96	15.1	12	0.8	9.9	525	7.57			864.82	854.86
MW-14SR	11/28/2016	16:00	10.53	15.1	5 (dry)	0.7	11.3	798	7.03			864.82	854.29
	5/17/2017	14:10	9.01	15.1	5	1.0	10.9	7.69	7.59			864.82	855.81
	11/15/2017	14:30	11.31	15.1	3 (dry)	0.6	14.9	733	7.14			864.82	853.51
MW-14SR	5/9/2018	11:10	9.45	15.1	7	0.9	10.1	674	7.25			864.82	855.37
	11/29/2018	10:00	9.26	15.1	7	1.0	13.5	670	7.30			864.82	855.56
	5/15/2019	11:40	8.51	15.1	7	1.1	10.6	680	7.59			864.82	856.31
	11/11/2019	16:10	9.07	15.1	10	1.0	12.7	642	7.05			864.82	855.75
	5/13/2020	11:30	8.47	15.1	8	1.1	10.9	1059	7.36			864.82	856.35
MW-14SR	11/12/2020	12:00	9.03	15.1	5 (dry)	1.0	14.6	1037	7.92			864.82	855.79
MW-14I	12/20/1996	16:20	10.20	25.0	8 (dry)	2.4	8.9	600	5.88			864.06	853.86
MW-14IR	3/18/2000	15:00	14.01	24.6	9	1.7	8.7	918	7.02			864.65	850.64
	5/17/2000	11:00	14.17	24.6	9	1.7	13.5	1296	6.80			864.65	850.48
	9/14/2000	15:40	12.23	24.6	6 (dry)	2.0	17.4	2664	6.75			864.65	852.42
	12/28/2000	10:40	12.86	24.6	5 (dry)	1.9	6.9	2566	6.90			864.65	851.79
	3/16/2001	11:25	13.30	24.6	5 (dry)	1.8	11.1	3422	6.70	5.11	347	864.65	851.35
	6/27/2001	11:55	11.65	24.6	4 (dry)	2.1	16.1	2819	6.93			864.65	853.00
	9/20/2001	11:35	12.75	24.6	7 (dry)	1.9	14.5	3760	6.96			864.65	851.90
	12/18/2001	10:45	12.53	26.5	7 (dry)	1.9	12.5	1744	6.91			864.65	852.12
	3/27/2002	13:45	11.98	26.5	7	2.4	10.5	2551	6.84			864.65	852.67
	6/6/2002	11:05	11.47	24.6	9	2.1	14.9	1792	7.29			864.65	853.18
MW-14IR	9/5/2002	14:20	14.16	24.6	5	1.7	13.5	2232	7.31	6.74	268	864.65	850.49
	12/11/2002	13:20	14.91	24.6	3 (dry)	1.6	11.5	1402	7.40			864.65	849.74
	3/20/2003	13:30	16.19	24.6	3.5 (dry)	1.4	12.6	1572	7.01			864.65	848.46
	6/12/2003	7:55	14.90	24.6	5	1.6	10.3	1275	7.05			864.65	849.75
MW-14IR	9/22/2003	16:00	15.92	24.6	5	1.4	12.7	1250	7.15			864.65	848.73

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-14IR	12/18/2003	15:20	15.34	24.6	7	1.5	12.1	732	6.92			864.65	849.31
MW-14IR	6/21/2004	12:30	10.16	24.6	8	2.4	13.3	1164	7.06			864.65	854.49
MW-14IR	9/8/2004	14:45	12.22	24.6	6	2.0	13.2	809	6.98			864.65	852.43
MW-14IR	12/28/2004	10:10	13.98	24.8	4.5	1.8	10.8	1079	7.34			864.65	850.67
	6/29/2005	12:00	13.35	24.8	4	1.9	12.0	956	7.06			864.65	851.30
	9/20/2005	13:10	14.75	25.0	3	1.7	13.9	781	7.21			864.65	849.90
MW-14IR	12/29/2005	11:10	16.39	25.0	4	1.4	9.4	843	7.85			864.65	848.26
	5/16/2006	16:00	12.41	25.0	5	2.1	10.8	815	7.84			864.65	852.24
	11/21/2006	13:20	10.94	25.0	5	2.3	12.1	696	7.53			864.65	853.71
	5/22/2007	19:00	10.76	25.0	5	2.3	11.6	340	7.35			864.65	853.89
	12/4/2007	14:20	10.45	25.0	5	2.4	14.3	330	7.32			864.65	854.20
	5/29/2008	11:50	9.81	25.0	5	2.5	13.3	590	7.34			864.65	854.84
MW-14IR	11/25/2008	12:25	10.70	25.0	10	2.3	11.5	504	7.37			864.65	853.95
	5/19/2009	13:55	9.78	25.0	5 (dry)	2.5	14.4	390	7.39			864.65	854.87
	11/18/2009	14:00	11.80	25.0	5 (dry)	2.2	10.1	662	6.81			864.65	852.85
MW-14IR	5/13/2010	14:05	10.64	25.0	4.5 (dry)	2.3	12.5	660	8.42			864.65	854.01
	11/16/2010	13:50	11.09	25.0	6 (dry)	2.3	13.4	670	7.00			864.65	853.56
	5/12/2011	14:20	10.06	25.0	5.0 (dry)	2.4	11.8	695	8.10			864.65	854.59
	11/9/2011	13:30	12.17	25.0	5.0 (dry)	2.1	11.8	683	7.35			864.65	852.48
	5/10/2012	16:40	10.70	25.0	5.0 (dry)	2.3	12.2	914	7.98			864.65	853.95
	12/12/2012	9:20	13.30	25.0	4.0 (dry)	1.9	10.6	619	7.70			864.65	851.35
	6/5/2013	13:20	9.90	25.0	6.0 (dry)	2.5	11.5	622	7.84			864.65	854.75
	11/12/2013	8:40	11.60	25.0	5.0 (dry)	2.2	10.0	658	7.93			864.65	853.05
	5/13/2014	11:20	10.43	25.0	5.0 (dry)	2.4	10.2	624	7.81			864.65	854.22
MW-14IR	11/7/2014	10:30	11.44	25.0	5.0 (dry)	2.2	12.8	588	7.51			864.65	853.21
	5/14/2015	10:30	11.76	25.0	5.0 (dry)	2.2	9.3	582	7.68			864.65	852.89
	11/12/2015	8:40	11.68	25.0	5.0 (dry)	2.2	13.6	584	7.10			864.65	852.97
	5/18/2016	11:00	10.43	25.0	5.0 (dry)	2.4	10.5	715	7.44			864.65	854.22
MW-14IR	11/28/2016	15:40	10.04	25.0	5.0 (dry)	2.4	11.2	725	7.62			864.65	854.61

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-14IR	5/17/2017	14:20	9.45	25.0	5.0 (dry)	2.5	12.1	789	7.48			864.65	855.20
	11/15/2017	14:50	11.11	25.0	5.0 (dry)	2.3	14.5	797	7.26			864.65	853.54
MW-14IR	5/9/2018	11:40	10.15	25.0	4.0 (dry)	2.4	10.1	771	7.16			864.65	854.50
MW-14IR	11/29/2018	10:20	8.60	25.0	5.0 (dry)	2.7	13.1	722	7.26			864.65	856.05
	5/15/2019	12:00	9.05	25.0	4.0 (dry)	2.6	11.3	676	7.34			864.65	855.60
	11/11/2019	16:30	8.97	25.0	5.0 (dry)	2.6	12.0	650	7.20			864.65	855.68
	5/13/2020	11:50	8.33	25.0	5.0 (dry)	2.7	10.6	740	7.04			864.65	856.32
MW-14IR	11/12/2020	11:50	7.75	25.0	4.5 (dry)	2.8	15.9	1051	7.44			864.65	856.90
MW-15D	3/10/2000	15:00	11.07	119.7	80	17.7	9.0	880	6.90			860.23	849.16
	5/16/2000	15:40	11.30	119.7	80	17.7	12.6	1048	6.94			860.23	848.93
	5/16/2000	15:50	11.30	119.7	80	17.7	12.6	1057	6.93			860.23	848.93
MW-15D	9/14/2000	15:30	9.97	119.7	80	17.7	16.0	1131	6.74			860.23	850.26
	3/15/2001	15:10	10.31	119.7	80	17.8	10.2	1078	6.93	2.77	313	860.23	849.92
	6/26/2001	8:30	9.75	119.7	80	17.9	19.3	960	7.04			860.23	850.48
	9/19/2001	15:20	10.91	119.7	54	17.7	13.1	1119	7.25			860.23	849.32
	12/18/2001	Not sampled because well was obstructed by trailer.											
MW-15D	3/28/2002	15:00	10.25	119.4	65	17.8	10.8	775				860.23	849.98
	6/6/2002	13:35	10.50	119.7	77	17.8	14.9	843	7.43			860.23	849.73
	9/5/2002	13:00	12.44	119.7	55	17.5	12.4	1151	7.19	3.03	270	860.23	847.79
	12/17/2002	15:40	13.19	119.7	75	17.4	8.0	1157	7.75			860.23	847.04
MW-15D	3/21/2003	10:30	13.42	119.7	75	17.3	6.3	1174	7.39			860.23	846.81
	9/23/2003	7:45	13.44	119.7	50	17.3	12.3	1094	7.05			860.23	846.79
	12/19/2003	10:05	13.07	119.7	50	17.4	14.0	838	7.29			860.23	847.16
	6/22/2004	13:05	9.97	119.7	60	17.9	15.5	1096	7.24			860.23	850.26
	9/8/2004	14:15	10.58	119.7	60	17.8	11.4	940	6.98			860.23	849.65
	12/28/2004	11:15	11.41	119.7	55	17.7	10.9	1129	6.97			860.23	848.82
	6/30/2005	12:20	11.39	119.7	75	17.7	12.7	1096	6.94			860.23	848.84
	9/20/2005	12:10	12.66	119.7	55	17.4	11.9	1153	6.97			860.23	847.57
MW-15D	12/29/2005	13:30	12.83	119.7	40	17.4	9.4	1147	7.05			860.23	847.40

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-15D	5/17/2006	11:50	11.12	119.7	75	17.7	12.4	1135	7.17			860.23	849.11
	11/21/2006	15:40	10.03	119.7	80	17.9	10.5	1071	7.65			860.23	850.20
	5/23/2007	12:00	10.03	119.7	80	17.9	13.6	520	6.95			860.23	850.20
MW-15D	12/5/2007	11:00	9.64	119.7	70	17.9	10.9	1070	7.13			860.23	850.59
MW-15D	5/30/2008	11:00	7.52	119.7	80	18.3	14.8	560	6.75			860.23	852.71
	11/25/2008	13:55	9.55	119.7	60	18.0	9.9	1282	7.17			860.23	850.68
	5/20/2009	14:55	8.34	119.7	70	18.2	17.1	740	7.08			860.23	851.89
	11/17/2009	16:45	10.33	119.7	71	17.8	8.7	1229	6.47			860.23	849.90
MW-15D	5/13/2010	10:05	9.61	119.7	75	17.9	11.3	1400	7.94			860.23	850.62
	11/16/2010	14:40	9.84	119.7	75	17.9	11.9	1320	7.14			860.23	850.39
	5/12/2011	14:30	8.84	119.7	80	18.1	12.6	1519	7.70			860.23	851.39
MW-15D	11/10/2011	14:15	10.52	119.7	75	17.8	13.7	1561	7.07			860.23	849.71
	5/10/2012	14:10	10.04	119.7	80	17.9	10.5	1528	7.60			860.23	850.19
	11/29/2012	12:50	12.03	119.7	80	17.6	10.3	1427	7.64			860.23	848.20
	6/4/2013	18:30	9.30	119.7	80	18.0	13.5	1475	7.54			860.23	850.93
	11/11/2013	15:05	10.48	119.7	80	17.8	9.8	1305	7.62			860.23	849.75
MW-15D	5/13/2014	8:45	10.05	119.7	80	17.9	11.6	1561	7.93			860.23	850.18
	11/6/2014	14:05	10.81	119.7	70	17.7	12.2	1555	7.30			860.23	849.42
	5/13/2015	17:15	11.04	119.7	70	17.7	12.7	1501	7.49			860.23	849.19
	11/11/2015	13:45	11.05	119.7	80	17.7	12.3	1563	6.91			860.23	849.18
MW-15D	5/17/2016	15:35	9.75	119.7	80	17.9	11.9	1668	7.13			860.23	850.48
	11/29/2016	14:50	9.45	119.7	80	18.0	13.4	1742	7.19			860.23	850.78
	5/18/2017	16:25	8.57	119.7	1	18.1	11.7	1397	7.21	1.64	44	860.23	851.66
	11/16/2017	11:30	9.89	119.7	2	17.9	11.7	1510	7.42	10.96	79	860.23	850.34
	5/9/2018	14:50	8.82	119.7	1	18.1	12.1	970	7.59	4.36	3	860.23	851.41
	11/28/2018	12:10	7.44	119.7	1	18.3	11.4	1032	7.13	3.68	86	860.23	852.79
	5/13/2019	14:35	7.75	119.7	1	18.2	12.4	948	7.69	4.67	70	860.23	852.48
	11/13/2019	12:50	7.75	119.7	1	18.2	11.1	1295	7.38	2.23	19	860.23	852.48
	5/13/2020	14:30	8.08	119.7	1	18.2	12.0	1245	7.83	2.09	-6	860.23	852.15

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-15D	11/12/2020	14:00	9.45	119.7	20	18.0	13.0	1377	6.81			860.23	850.78
MW-16D	3/7/2000	13:10	11.48	114.7	80	16.8	14.3	495	6.97			860.90	849.42
	5/16/2000	10:45	11.85	114.7	80	16.8	12.6	427.6	6.93			860.90	849.05
	9/14/2000	10:50	10.55	114.7	70	16.8	13.1	604	7.39			860.90	850.35
MW-16D	6/26/2001	13:05	10.50	114.7	80	17.0	19.4	544	7.09			860.90	850.40
MW-16D	9/19/2001	11:50	11.47	114.7	50	16.8	14.2	566	7.76			860.90	849.43
	12/18/2001	12:55	11.35	114.7	50	17.0	11.1	389.6	7.33			860.90	849.55
	3/27/2002	9:55	10.91	114.0	50	16.8	10.7	568	7.15			860.90	849.99
	6/6/2002	9:40	11.36	114.7	72	16.8	14.5	448	7.78			860.90	849.54
	9/6/2002	10:20	13.38	114.7	55	16.5	12.4	542.8	7.57	10.47	221	860.90	847.52
MW-16D	12/11/2002	10:00	13.78	114.7	71	16.4	10.1	595	8.00			860.90	847.12
	3/20/2003	11:20	13.87	114.7	75	16.4	11.9	570	7.29			860.90	847.03
	6/12/2003	8:50	13.17	114.7	50	16.5	11.6	564	7.32			860.90	847.73
	9/22/2003	11:00	13.94	114.7	50	16.4	12.0	557	6.86			860.90	846.96
	12/18/2003	10:20	13.36	114.8	50	16.5	5.1	343.4	7.39			860.90	847.54
	6/21/2004	13:40	10.46	114.8	60	17.0	13.9	579	7.33			860.90	850.44
	9/8/2004	8:45	11.12	114.8	60	16.9	11.7	503	7.09			860.90	849.78
	12/28/2004	10:20	11.87	114.7	70	16.8	11.9	549	7.18			860.90	849.03
	6/29/2005	14:40	11.99	114.7	70	16.7	13.3	550	7.33			860.90	848.91
MW-16D	9/20/2005	8:30	13.08	114.7	55	16.6	11.6	571	6.53			860.90	847.82
	12/29/2005	11:35	13.24	114.7	36	16.5	12.0	610	7.25			860.90	847.66
	5/17/2006	11:00	11.59	114.7	67	16.8	12.1	558	7.35			860.90	849.31
	11/21/2006	14:30	10.50	114.7	80	17.0	11.4	558	7.71			860.90	850.40
	5/22/2007	12:20	9.70	114.7	80	17.1	13.8	260	7.23			860.90	851.20
	5/30/2008	10:00	8.39	114.7	80	17.3	14.5	250	6.95			860.90	852.51
MW-16D	11/24/2008	15:50	10.06	114.7	60	17.1	11.7	703	7.46			860.90	850.84
	5/20/2009	13:25	8.82	114.7	100	17.3	17.8	330	7.31			860.90	852.08
	11/17/2009	12:55	11.05	114.7	100	16.9	9.0	586	7.31			860.90	849.85
MW-16D	5/12/2010	12:10	10.10	114.7	100	17.0	9.7	1160	7.94			860.90	850.80

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-16D	11/15/2010	12:00	10.30	114.7	100	17.0	12.0	596	6.98			860.90	850.60
MW-16D	5/12/2011	13:35	9.39	114.7	75	17.2	14.6	621	7.90			860.90	851.51
	11/10/2011	9:20	11.00	114.7	120	16.9	12.4	605	7.41			860.90	849.90
	5/10/2012	10:50	10.46	114.7	120	17.0	12.7	578	7.85			860.90	850.44
MW-16D	11/29/2012	9:30	12.48	114.7	70	16.7	9.1	590	7.80			860.90	848.42
MW-16D	6/4/2013	15:40	9.69	114.7	70	17.1	14.2	544	7.75			860.90	851.21
	11/11/2013	11:50	10.89	114.7	70	16.9	11.9	564	7.89			860.90	850.01
	5/12/2014	14:20	10.59	114.7	70	17.0	12.2	638	8.03			860.90	850.31
	11/6/2014	9:50	11.16	114.7	70	16.9	11.9	566	7.72			860.90	849.74
	5/13/2015	13:00	11.50	114.7	70	16.8	12.2	548	7.52			860.90	849.40
MW-16D	11/11/2015	10:30	11.54	114.7	70	16.8	12.2	553	7.13			860.90	849.36
	5/17/2016	11:30	10.17	114.7	75	17.0	12.6	605	7.41			860.90	850.73
	11/29/2016	10:00	9.95	114.7	75	17.1	12.9	604	7.55			860.90	850.95
	5/18/2017	12:15	8.90	114.7	2	17.2	11.7	554	7.23	6.44	24	860.90	852.00
	11/16/2017	8:55	10.28	114.7	1	17.0	11.4	603	7.39	11.61	70	860.90	850.62
	5/10/2018	11:40	10.39	114.7	1	17.0	11.4	483	7.76	7.07	26	860.90	850.51
	11/28/2018	9:35	7.84	114.7	1	17.4	11.0	568	6.61	5.89	80	860.90	853.06
	5/13/2019	12:30	8.23	114.7	0.5	17.4	12.6	525	7.70	7.19	-21	860.90	852.67
	11/13/2019	9:30	8.19	114.7	1	17.4	9.5	577	6.77	4.83	-24	860.90	852.71
	5/13/2020	13:30	8.37	114.7	1	17.3	12.5	576	7.44	3.64	-41	860.90	852.53
MW-16D	11/12/2020	9:50	9.78	114.7	1	17.1	11.8	593	7.26	3.76	178	860.90	851.12
MW-17D	3/7/2000	16:30	10.88	114.9	80	16.9	17.2	766	7.05			860.05	849.17
	5/16/2000	13:30	11.17	114.9	80	16.9	15.9	785	7.03			860.05	848.88
	9/14/2000	13:25	10.36	114.9	70	16.9	15.7	873	7.11			860.05	849.69
MW-17D	3/15/2001	12:40	11.52	114.9	70	16.8	9.6	795.3	7.11	4.50	370	860.05	848.53
	6/26/2001	15:30	10.05	114.9	80	17.1	18.8	737	7.33			860.05	850.00
	9/19/2001	11:01	11.01	114.9	50	16.9	14.4	822	7.50			860.05	849.04
	12/19/2001	11:30	10.65	114.9	50	17.0	14.3	664	7.24			860.05	849.40
MW-17D	3/27/2002	12:20	10.26	115.0	52	17.1	10.8	862	7.02			860.05	849.79

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-17D	6/6/2002	13:40	11.20	114.9	73	16.9	15.0	655	7.44			860.05	848.85
MW-17D	9/6/2002	12:15	14.65	114.9	55	16.3	12.1	831.8	7.59	3.77	273	860.05	845.40
(duplicate)	9/6/2002	12:20	14.65	114.9	55	16.3	11.9	832.7	7.57	3.44	275	860.05	845.40
MW-17D	12/11/2002	12:05	13.87	114.9	50	16.5	10.5	850	7.37			860.05	846.18
	3/20/2003	13:05	13.87	114.9	75	16.5	11.9	835	7.22			860.05	846.18
MW-17D	6/12/2003	10:15	12.56	114.9	55	16.7	12.1	855	6.75			860.05	847.49
MW-17D	9/22/2003	13:00	13.49	114.9	50	16.5	13.6	843	7.15			860.05	846.56
	12/18/2003	12:30	17.46	115.0	50	15.9	10.3	585	7.03			860.05	842.59
	6/22/2004	12:00	9.90	115.0	60	17.1	19.1	803	7.30			860.05	850.15
	9/8/2004	9:45	10.60	115.0	60	17.0	12.9	748	7.11			860.05	849.45
	12/28/2004	13:05	11.23	114.9	51	16.9	13.2	864	6.80			860.05	848.82
MW-17D	6/30/2005	10:50	11.42	114.9	60	16.9	15.2	866	6.98			860.05	848.63
	9/20/2005	10:30	12.37	114.9	55	16.7	13.4	852	7.10			860.05	847.68
	12/29/2005	15:40	12.54	114.9	33.5	16.7	8.6	872	7.45			860.05	847.51
	5/17/2006	14:00	10.77	114.9	70	17.0	13.1	851	7.12			860.05	849.28
	11/21/2006	17:00	9.91	114.9	40	17.1	11.1	779	7.70			860.05	850.14
	5/23/2007	10:50	9.21	114.9	40	17.2	15.4	400	7.14			860.05	850.84
	12/5/2007	13:10	9.69	114.9	40	17.1	13.5	390	7.29			860.05	850.36
MW-17D	5/30/2008	12:45	8.07	114.9	40	17.4	16.5	400	7.00			860.05	851.98
	11/24/2008	13:20	10.14	114.9	55	17.1	11.5	833	7.34			860.05	849.91
	5/19/2009	15:40	8.44	114.9	66	17.4	18.1	1040	7.19			860.05	851.61
	11/17/2009	17:00	10.37	114.9	63	17.0	9.0	858	7.08			860.05	849.68
	5/13/2010	9:50	9.45	114.9	55	17.2	11.2	1000	7.93			860.05	850.60
MW-17D	11/15/2001	16:20	9.77	114.9	69	17.1	10.8	913	6.78			860.05	850.28
	5/12/2011	13:50	8.77	114.9	65	17.3	14.8	931	7.80			860.05	851.28
	11/10/2011	12:10	10.34	114.9	70	17.0	13.6	995	7.36			860.05	849.71
	5/10/2012	13:00	9.71	114.9	70	17.1	11.8	904	7.86			860.05	850.34
	11/29/2012	11:30	11.82	114.9	60	16.8	10.8	890	7.73			860.05	848.23
MW-17D	6/4/2013	17:10	9.08	114.9	55	17.2	14.1	840	7.78			860.05	850.97

Table 3. Monitor Well Field Sampling Results, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Sample Date	Time	Depth to Water (feet btoc)	Well Depth (feet btoc)	Purge Volume (gallons)	Casing Volume (gallons)	Temp-erature (C)	Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)	Top of Casing Elev. (feet MSL)	Ground-water Elev. (feet MSL)
MW-17D	11/11/2013	13:50	10.31	114.9	55	17.0	10.2	830	7.43			860.05	849.74
	5/12/2014	16:00	9.82	114.9	55	17.1	12.6	860	7.96			860.05	850.23
	11/6/2014	12:20	10.56	114.9	55	17.0	13.1	865	7.38			860.05	849.49
	5/13/2015	15:30	10.72	114.9	50	17.0	12.3	808	7.33			860.05	849.33
	11/11/2015	12:20	10.77	114.9	50	17.0	13.3	864	7.04			860.05	849.28
MW-17D	5/17/2016	13:30	9.46	114.9	50	17.2	14.0	902	7.27			860.05	850.59
MW-17D	11/29/2016	12:30	9.25	114.9	50	17.2	12.6	953	7.56			860.05	850.80
	5/18/2017	14:10	8.28	114.9	1	17.4	11.8	847	7.21	1.44	46	860.05	851.77
	11/16/2017	10:15	11.72	114.9	1	16.8	11.7	901	7.37	7.82	79	860.05	848.33
	5/10/2018	12:55	9.90	114.9	1	17.1	11.7	702	7.75	2.87	62	860.05	850.15
	11/28/2018	10:40	7.21	114.9	1	17.6	10.7	848	7.05	2.56	77	860.05	852.84
MW-17D	5/13/2019	13:30	7.94	114.9	1	17.4	12.9	781	8.27	4.06	18	860.05	852.11
	11/13/2019	11:30	7.92	114.9	1	17.4	10.3	861	7.26	1.54	-25	860.05	852.13
	5/13/2020	16:00	8.21	114.9	1	17.4	12.4	849	8.12	1.44	6	860.05	851.84
MW-17D	11/12/2020	11:00	9.56	114.9	1	17.2	12.1	864	6.85	1.37	155	860.05	850.49
EW-1	5/16/2000	14:30	11.11									860.08	848.97

Notes: Wells MW-14S and MW-14I were abandoned during soil excavation activities, and replaced February 2000.
Groundwater remediation system (extraction well EW-1) became operational March 20, 2000.
feet btoc = feet below top of casing
feet MSL = feet above mean sea level
Started using the low-flow sampling method to sample monitoring wells MW-15D, MW-16D and MW-17D in 2017.

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-1S	5.4	854.71	14.9	845.21	12/20/1996	860.11	7.62	852.49
					3/18/2000	860.11	9.00	851.11
					5/17/2000	860.11	8.75	851.36
					9/6/2002	860.11	11.16	848.95
					6/12/2003	860.11	10.03	850.08
					6/21/2004	860.11	6.80	853.31
					9/19/2005	860.11	10.59	849.52
					5/16/2006	860.11	7.36	852.75
					5/22/2007	860.11	7.29	852.82
					5/20/2009	860.11	6.83	853.28
					5/13/2010	860.11	6.67	853.44
					11/16/2010	860.11	7.70	852.41
					5/12/2011	860.11	6.84	853.27
					5/10/2012	860.11	6.85	853.26
					6/10/2013	860.11	7.18	852.93
					5/13/2014	860.11	6.27	853.84
					5/14/2015	860.11	7.76	852.35
					5/17/2016	860.11	7.16	852.95
					5/18/2017	860.11	6.73	853.38
					5/10/2018	860.11	6.96	853.15
					5/16/2019	860.11	6.29	853.82
MW-1S					5/13/2020	860.11	6.41	853.70
MW-1I	22.6	837.55	27.6	832.55	12/18/1996	860.15	7.70	852.45
					3/18/2000	860.15	9.47	850.68
					5/17/2000	860.15	9.33	850.82
					9/6/2002	860.15	10.43	849.72
					6/12/2003	860.15	10.46	849.69
					6/21/2004	860.15	7.00	853.15
					9/19/2005	860.15	10.64	849.51
					5/16/2006	860.15	7.97	852.18
					5/22/2007	860.15	7.25	852.90
					5/20/2009	860.15	6.93	853.22
					5/13/2010	860.15	6.90	853.25
					11/16/2010	860.15	7.81	852.34
MW-1I					5/12/2011	860.15	6.92	853.23
MW-2S	4.9	854.98	14.9	844.98	12/18/1996	859.88	8.57	851.31
					3/17/2000	859.86	9.53	850.33
					5/17/2000	859.86	9.60	850.26
					9/6/2002	859.86	11.12	848.74
					6/12/2003	859.86	10.25	849.61
					6/21/2004	859.86	7.98	851.88
					9/19/2005	859.86	10.52	849.34
					5/16/2006	859.86	8.78	851.08
MW-2S					5/22/2007	859.86	8.07	851.79

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-2S					5/20/2009	859.86	7.81	852.05
MW-2S					5/13/2009	859.86	7.90	851.96
					11/15/2010	859.86	8.86	851.00
					5/12/2011	859.86	7.91	851.95
					5/10/2012	859.86	8.25	851.61
					6/10/2013	859.86	8.07	851.79
					5/13/2014	859.86	8.11	851.75
					5/14/2015	859.86	8.74	851.12
					5/17/2016	859.86	8.20	851.66
					5/18/2017	859.86	7.67	852.19
					5/10/2018	859.86	8.11	851.75
					5/16/2019	859.86	7.52	852.34
MW-2S					5/13/2020	859.86	7.73	852.13
MW-3S	4.3	854.43	14.3	844.43	12/16/1996	858.73	9.90	848.83
					9/6/2002	858.73	13.13	845.60
					6/12/2003	858.73	11.08	847.65
					6/21/2004	858.73	7.78	850.95
					9/19/2005	858.73	10.19	848.54
					5/16/2006	858.73	9.45	849.28
					5/22/2007	858.73	8.21	850.52
					5/20/2009	858.73	7.35	851.38
					5/13/2010	858.73	7.82	850.91
					11/15/2010	858.73	7.68	851.05
					5/12/2011	858.73	7.59	851.14
					5/10/2012	858.73	Dry	
					6/10/2013	858.73	7.65	851.08
					5/13/2014	858.73	7.65	851.08
					5/14/2015	858.73	7.48	851.25
					5/18/2017	858.73	6.84	851.89
					5/10/2018	858.73	7.47	851.26
					5/16/2019	858.73	6.75	851.98
MW-3S					5/13/2020	858.73	7.08	851.65
MW-4S	4.7	851.64	14.7	841.64	12/18/1996	856.34	8.08	848.26
MW-4S					5/22/2007	Unable to locate.		
MW-5S	4.7	852.70	14.7	842.70	12/20/1996	857.40	4.94	852.46
					3/11/2000	857.40	6.65	850.75
					5/17/2000	857.40	6.56	850.84
					9/6/2002	857.40	8.49	848.91
	4.7	852.70	14.7	842.70	6/12/2003	857.40	8.10	849.30
					9/19/2005	857.40	8.80	848.60
					5/16/2006	857.40	5.38	852.02
					5/22/2007	857.40	4.51	852.89
MW-5S					5/20/2009	Unable to locate.		
MW-5I	19.8	837.76	24.8	832.76	12/20/1996	857.56	5.14	852.42

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-5I					3/11/2000	857.56	6.94	850.62
					5/17/2000	857.56	6.87	850.69
					9/6/2002	857.56	8.40	849.16
MW-5I					6/12/2003	857.56	8.77	848.79
					5/16/2006	857.56	5.59	851.97
					5/22/2007	857.56	4.62	852.94
MW-5I					5/20/2009	Unable to locate.		
MW-6S	5.1	855.88	15.1	845.88	12/20/1996	860.98	9.88	851.10
					9/6/2002	860.98	11.34	849.64
MW-6S					6/12/2003	860.98	10.85	850.13
					6/21/2004	860.98	8.20	852.78
MW-6S					9/19/2005	860.98	11.31	849.67
					5/16/2006	860.98	9.65	851.33
					5/22/2007	860.98	8.29	852.69
MW-6S					5/20/2009	860.98	7.80	853.18
					5/13/2010	860.98	8.49	852.49
					11/15/2010	860.98	9.35	851.63
					5/12/2011	860.98	8.36	852.62
MW-6S					5/10/2012	Well is damaged. No cover; jagged PVC casing above ground surface.		
MW-7S	4.2	855.83	14.2	845.83	12/16/1996	860.03	6.09	853.94
					9/6/2002	860.03	8.55	851.48
MW-7S					6/12/2003	860.03	9.06	850.97
					6/21/2004	860.03	5.85	854.18
					9/19/2005	860.03	9.29	850.74
					5/16/2006	860.03	5.65	854.38
					5/22/2007	860.03	6.18	853.85
					5/13/2010	860.03	3.97	856.06
					11/15/2010	860.03	7.01	853.02
					5/12/2011	860.03	4.93	855.10
					5/10/2012	860.03	6.09	853.94
					6/10/2013	860.03	6.17	853.86
					5/13/2014	860.03	4.15	855.88
					5/14/2015	860.03	6.94	853.09
					5/17/2016	860.03	6.34	853.69
					5/18/2017	860.03	5.08	854.95
					5/16/2019	860.03	5.05	854.98
MW-7S					5/13/2020	860.03	5.81	854.22
MW-8S	3.5	849.05	13.5	839.05	12/18/1996	852.55	5.74	846.81
					9/6/2002	852.55	7.67	844.88
					6/12/2003	852.55	4.79	847.76
					6/21/2004	852.55	3.58	848.97
					5/16/2006	852.55	3.03	849.52
MW-8S					5/22/2007	852.55	3.38	849.17

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-8S					5/20/2009	Unable to locate.		
					5/10/2012	852.55	3.09	849.46
					6/10/2013	852.55	3.14	849.41
					5/13/2014	852.55	2.68	849.87
MW-8S					5/14/2015	852.55	3.59	848.96
					5/17/2016	852.55	3.07	849.48
					5/18/2017	852.55	2.61	849.94
					5/10/2018	852.55	2.71	849.84
					5/16/2019	852.55	2.70	849.85
MW-8S					5/13/2020	852.55	2.79	849.76
MW-9S	5.4	845.30	15.4	835.30	12/18/1996	850.70	2.56	848.14
MW-9S					5/22/2007	Unable to locate.		
MW-10S	3.9	856.42	13.9	846.42	12/20/1996	860.32	6.94	853.38
					3/21/2003	860.32	12.74	847.58
					6/12/2003	860.32	10.72	849.60
					9/23/2003	860.32	12.00	848.32
					12/19/2003	860.32	11.03	849.29
					6/22/2004	860.32	6.46	853.86
MW-10S	3.9	856.42	13.9	846.42	9/8/2004	860.32	8.23	852.09
					12/28/2004	860.32	9.55	850.77
					9/19/2005	860.32	10.75	849.57
					12/29/2005	860.32	11.27	849.05
					5/16/2006	860.32	8.71	851.61
					5/22/2007	860.32	6.85	853.47
					12/4/2007	860.32	7.62	852.70
					5/29/2008	860.32	5.93	854.39
					11/25/2008	860.32	7.70	852.62
					5/20/2009	860.32	5.96	854.36
MW-10S					5/13/2010	860.32	6.86	853.46
					11/15/2010	860.32	7.96	852.36
					5/12/2011	860.32	6.43	853.89
					5/10/2012	860.32	7.09	853.23
					6/10/2013	860.32	6.38	853.94
					5/13/2014	860.32	6.97	853.35
					5/14/2015	860.32	8.06	852.26
					5/17/2016	860.32	6.79	853.53
					11/28/2016	860.32	7.09	853.23
					5/17/2017	860.32	5.90	854.42
					11/15/2017	860.32	7.49	852.83
					5/9/2018	860.32	6.56	853.76
					11/28/2018	860.32	5.74	854.58
					5/15/2019	860.32	5.47	854.85
					11/11/2019	860.32	5.81	854.51
MW-10S					5/13/2020	860.32	5.69	854.63

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-10S					11/12/2020	860.32	7.05	853.27
MW-10I	21.5	838.96	26.5	833.96	12/20/1996	860.46	7.24	853.22
					3/18/2000	860.46	10.58	849.88
					6/26/2001	860.46	8.24	852.22
					9/20/2001	860.46	9.33	851.13
					12/18/2001	860.46	9.25	851.21
MW-10I					3/27/2002	860.46	8.53	851.93
MW-10I					6/6/2002	860.46	8.04	852.42
					9/5/2002	860.46	10.70	849.76
					12/11/2002	860.46	12.05	848.41
					3/20/2003	860.46	12.83	847.63
					6/12/2003	860.46	11.30	849.16
					9/23/2003	860.46	12.32	848.14
					12/19/2003	860.46	12.10	848.36
MW-10I					6/22/2004	860.46	7.26	853.20
					9/8/2004	860.46	8.66	851.80
					12/28/2004	860.46	9.97	850.49
					9/19/2005	860.46	11.10	849.36
					12/29/2005	860.46	11.51	848.95
					5/16/2006	860.46	8.90	851.56
MW-10I					5/22/2007	860.46	7.39	853.07
					12/4/2007	860.46	7.90	852.56
					5/29/2008	860.46	6.22	854.24
					11/25/2008	860.46	8.10	852.36
					5/20/2009	860.46	6.56	853.90
					5/13/2010	860.46	6.94	853.52
MW-10I					11/15/2010	860.46	8.23	852.23
					5/12/2011	860.46	6.40	854.06
					5/10/2012	860.46	6.94	853.52
					6/10/2013	860.46	6.76	853.70
					5/13/2014	860.46	6.91	853.55
					5/14/2015	860.46	8.23	852.23
					5/17/2016	860.46	6.96	853.50
					11/28/2016	860.46	7.08	853.38
					5/17/2017	860.46	6.10	854.36
					11/15/2017	860.46	7.74	852.72
					5/9/2018	860.46	6.73	853.73
					11/28/2018	860.46	6.00	854.46
					5/15/2019	860.46	5.78	854.68
					11/11/2019	860.46	6.02	854.44
					5/13/2020	860.46	6.02	854.44
MW-10I					11/12/2020	860.46	7.40	853.06
MW-11S	4.9	856.36	14.9	846.36	12/16/1996	861.26	7.38	853.88
MW-11S					9/6/2002	861.26	9.22	852.04

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-11S					6/12/2003	861.26	10.45	850.81
MW-11S					6/21/2004	861.26	5.60	855.66
MW-11S					9/19/2005	861.26	10.25	851.01
					5/16/2006	861.26	7.88	853.38
					5/22/2007	861.26	5.32	855.94
MW-11S					5/13/2010	861.26	5.85	855.41
					11/15/2010	861.26	7.56	853.70
					5/12/2011	861.26	5.22	856.04
					5/10/2012	861.26	6.24	855.02
MW-11S					6/10/2013	861.26	5.59	855.67
					5/13/2014	861.26	5.79	855.47
					5/14/2015	861.26	7.66	853.60
					5/17/2016	861.26	6.46	854.80
					5/18/2017	861.26	5.38	855.88
					5/10/2018	861.26	5.63	855.63
					5/15/2019	861.26	5.04	856.22
MW-11S					5/13/2020	861.26	5.30	855.96
MW-12S	12.7	857.92	22.7	847.92	12/16/1996	870.62	17.12	853.50
					6/12/2003	870.62	21.43	849.19
MW-12S					6/22/2004	870.62	16.40	854.22
					9/19/2005	870.62	20.67	849.95
					5/16/2006	870.62	18.62	852.00
					5/22/2007	870.62	16.67	853.95
					5/20/2009	870.62	15.76	854.86
					5/13/2010	870.62	16.74	853.88
					11/15/2010	870.62	17.73	852.89
					5/12/2011	870.62	16.01	854.61
MW-12S					5/10/2012	870.62	16.63	853.99
					6/10/2013	870.62	15.97	854.65
					5/13/2014	870.62	16.52	854.10
					5/14/2015	870.62	17.81	852.81
					5/17/2016	870.62	16.48	854.14
					5/18/2017	870.62	15.30	855.32
					5/10/2018	870.62	16.24	854.38
					5/15/2019	870.62	15.05	855.57
MW-12S					5/13/2020	870.62	15.12	855.50
MW-13S	2.8	861.30	12.8	851.30	5/17/2000	864.10	10.13	853.97
					5/17/2000	864.10	10.93	853.17
					9/14/2000	864.10	8.95	855.15
					9/6/2002	864.10	11.89	852.21
MW-13S					6/21/2004	864.10	7.94	856.16
					9/19/2005	864.10	11.79	852.31
MW-13S					5/16/2006	864.10	11.72	852.38

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-13S					5/22/2007	864.10	9.31	854.79
MW-13S					5/20/2009	864.10	8.52	855.58
MW-13S					5/13/2010	864.10	9.11	854.99
					11/15/2010	864.10	10.45	853.65
					5/12/2011	864.10	8.54	855.56
					5/10/2012	864.10	9.29	854.81
					6/10/2013	864.10	8.47	855.63
					5/13/2014	864.10	9.36	854.74
					5/14/2015	864.10	10.81	853.29
					5/17/2016	864.10	9.35	854.75
MW-13S					5/18/2017	864.10	8.29	855.81
MW-13S					5/10/2018	864.10	8.88	855.22
					5/15/2019	864.10	7.94	856.16
MW-13S					5/13/2020	864.10	8.09	856.01
MW-14S	4.7	859.36	14.7	849.36	12/20/1996	864.06	10.44	853.62
MW-14SR	5.1	859.72	15.1	849.72	3/18/2000	864.82	14.05	850.77
					5/17/2000	864.82	13.77	851.05
					9/14/2000	864.82	11.33	852.73
					6/26/2001	864.82	10.46	854.36
					12/18/2001	864.82	12.07	852.75
					3/27/2002	864.82	10.46	854.36
					6/6/2002	864.82	10.33	854.49
					9/5/2002	864.82	14.15	850.67
					12/11/2002	864.82	14.80	850.02
MW-14SR					3/20/2003	864.82	14.82	850.00
					6/12/2003	864.82	14.45	850.37
					9/22/2003	864.82	Dry	
					12/18/2003	864.82	11.23	853.59
					6/21/2004	864.82	8.56	856.26
					9/8/2004	864.82	12.01	852.81
					12/28/2004	864.82	13.44	851.38
					9/19/2005	864.82	14.71	850.11
					12/29/2005	864.82	14.73	850.09
					5/16/2006	864.82	10.43	854.39
					5/22/2007	864.82	9.86	854.96
MW-14SR					12/4/2007	864.82	11.52	853.30
					5/29/2008	864.82	9.48	855.34
					11/25/2008	864.82	11.15	853.67
					5/20/2009	864.82	9.26	855.56
					5/13/2010	864.82	9.85	854.97
					11/15/2010	864.82	11.34	853.48
					5/12/2011	864.82	9.30	855.52
					5/10/2012	864.82	9.10	855.72
MW-14SR					6/10/2013	864.82	9.27	855.55

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-14SR					5/13/2014	864.82	9.30	855.52
MW-14SR					5/14/2015	864.82	10.80	854.02
MW-14SR					5/17/2016	864.82	9.96	854.86
					11/28/2016	864.82	10.53	854.29
					5/17/2017	864.82	9.01	855.81
					11/15/2017	864.82	11.31	853.51
					5/9/2018	864.82	9.45	855.37
					11/29/2018	864.82	9.26	855.56
					5/15/2019	864.82	8.51	856.31
					11/11/2019	864.82	9.07	855.75
					5/13/2020	864.82	8.47	856.35
MW-14SR					11/12/2020	864.82	9.03	855.79
MW-14I	20.0	844.44	25.0	839.44	12/20/1996	864.44	10.20	854.24
MW-14IR	19.6	845.05	24.6	840.05	3/18/2000	864.65	14.01	850.64
MW-14IR					5/17/2000	864.65	14.17	850.48
					9/14/2000	864.65	12.23	852.42
					6/27/2001	864.65	11.65	853.00
					12/18/2001	864.65	12.53	852.12
					3/27/2002	864.65	11.98	852.67
					6/6/2002	864.65	11.47	853.18
					9/5/2002	864.65	14.16	850.49
					12/11/2002	864.65	14.91	849.74
					3/20/2003	864.65	16.19	848.46
					6/12/2003	864.65	14.90	849.75
MW-14IR					9/22/2003	864.65	15.92	848.73
					12/18/2003	864.65	15.34	849.31
					6/21/2004	864.65	10.16	854.49
					9/8/2004	864.65	12.22	852.43
MW-14IR					12/28/2004	864.65	13.98	850.67
					9/19/2005	864.65	14.75	849.90
					12/29/2005	864.65	16.39	848.26
MW-14IR					5/16/2006	864.65	12.41	852.24
					5/22/2007	864.65	10.76	853.89
					12/4/2007	864.65	10.45	854.20
					5/29/2008	864.65	9.81	854.84
					11/25/2008	864.65	10.70	853.95
MW-14IR					5/20/2009	864.65	10.00	854.65
					5/13/2010	864.65	10.64	854.01
					11/15/2010	864.65	11.09	853.56
					5/12/2011	864.65	10.06	854.59
					5/10/2012	864.65	10.70	853.95
MW-14IR					6/10/2013	864.65	10.11	854.54
					5/13/2014	864.65	10.43	854.22
MW-14IR					5/14/2015	864.65	11.76	852.89

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-14IR					5/17/2016	864.65	10.43	854.22
					11/28/2016	864.65	10.04	854.61
MW-14IR					5/17/2017	864.65	9.45	855.20
MW-14IR					11/15/2017	864.65	11.11	853.54
					5/9/2018	864.65	10.15	854.50
					11/29/2018	864.65	8.60	856.05
					5/15/2019	864.65	9.05	855.60
					11/11/2019	864.65	8.97	855.68
					5/13/2020	864.65	8.33	856.32
MW-14IR					11/12/2020	864.65	7.75	856.90
MW-15D	109.7	750.53	119.7	740.53	3/10/2000	860.23	11.07	849.16
					5/16/2000	860.23	11.30	848.93
					5/16/2000	860.23	11.30	848.93
					9/14/2000	860.23	9.97	850.26
					6/26/2001	860.23	9.75	850.48
					3/28/2002	860.23	10.25	849.98
MW-15D					6/6/2002	860.23	10.50	849.73
					9/5/2002	860.23	12.44	847.79
					12/17/2002	860.23	13.19	847.04
					3/21/2003	860.23	13.42	846.81
					6/12/2003	860.23	12.72	847.51
					9/23/2003	860.23	13.44	846.79
MW-15D					12/19/2003	860.23	13.07	847.16
					6/22/2004	860.23	9.97	850.26
					9/8/2004	860.23	10.58	849.65
					12/28/2004	860.23	11.41	848.82
					9/20/2005	860.23	12.66	847.57
					12/29/2005	860.23	12.83	847.40
					5/16/2006	860.23	11.12	849.11
					5/22/2007	860.23	9.20	851.03
					12/5/2007	860.23	9.64	850.59
					5/30/2008	860.23	7.52	852.71
MW-15D					11/25/2008	860.23	9.55	850.68
					5/20/2009	860.23	8.34	851.89
					11/17/2009	860.23	10.33	849.90
					5/13/2010	860.23	9.28	850.95
MW-15D					11/15/2010	860.23	9.84	850.39
					5/12/2011	860.23	8.84	851.39
					5/10/2012	860.23	10.04	850.19
					6/10/2013	860.23	9.46	850.77
					5/13/2014	860.23	10.11	850.12
					5/13/2015	860.23	11.04	849.19
					5/17/2016	860.23	9.75	850.48
MW-15D					11/29/2016	860.23	9.45	850.78

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-15D					5/18/2017	860.23	8.57	851.66
					11/16/2017	860.23	9.89	850.34
					5/9/2018	860.23	9.82	850.41
MW-15D					11/28/2018	860.23	7.44	852.79
MW-15D					5/13/2019	860.23	7.75	852.48
					11/13/2019	860.23	7.94	852.29
					5/13/2020	860.23	8.08	852.15
MW-15D					11/12/2020	860.23	9.45	850.78
MW-16D	104.7	756.20	114.7	746.20	3/7/2000	860.90	11.48	849.42
					5/16/2000	860.90	11.85	849.05
					9/14/2000	860.90	10.55	850.35
					6/26/2001	860.90	10.50	850.40
					12/18/2001	860.90	11.35	849.55
					3/27/2002	860.90	10.91	849.99
MW-16D					6/6/2002	860.90	11.36	849.54
					9/6/2002	860.90	13.38	847.52
					12/11/2002	860.90	13.78	847.12
					3/20/2003	860.90	13.87	847.03
MW-16D					6/12/2003	860.90	13.17	847.73
					9/22/2003	860.90	13.94	846.96
					12/18/2003	860.90	13.36	847.54
					6/21/2004	860.90	10.46	850.44
MW-16D					9/8/2004	860.90	11.12	849.78
					12/28/2004	860.90	11.87	849.03
					9/19/2005	860.90	13.08	847.82
					12/29/2005	860.90	13.24	847.66
MW-16D					5/16/2006	860.90	11.59	849.31
					5/22/2007	860.90	9.70	851.20
					5/30/2008	860.90	8.39	852.51
					11/24/2008	860.90	10.06	850.84
					5/20/2009	860.90	8.82	852.08
MW-16D					11/17/2009	860.90	11.05	849.85
					5/13/2010	860.90	9.71	851.19
					11/15/2010	860.90	10.30	850.60
					5/12/2011	860.90	9.39	851.51
					5/10/2012	860.90	10.46	850.44
MW-16D					6/10/2013	860.90	9.80	851.10
					5/13/2014	860.90	10.49	850.41
					5/13/2015	860.90	11.50	849.40
					5/17/2016	860.90	10.17	850.73
					11/29/2016	860.90	9.95	850.95
MW-16D					5/18/2017	860.90	8.90	852.00
					11/16/2017	860.90	10.43	850.47
MW-16D					5/10/2018	860.90	10.39	850.51

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-16D					11/28/2018	860.90	7.84	853.06
					5/13/2019	860.90	8.23	852.67
					11/13/2019	860.90	8.19	852.71
					5/13/2020	860.90	8.37	852.53
MW-16D					11/12/2020	860.90	9.78	851.12
MW-17D	104.9	755.15	114.9	745.15	3/7/2000	860.05	10.88	849.17
MW-17D					5/16/2000	860.05	11.17	848.88
					9/14/2000	860.05	10.36	849.69
					6/26/2001	860.05	10.05	850.00
					12/19/2001	860.05	10.65	849.40
MW-17D					3/27/2002	860.05	10.26	849.79
					6/6/2002	860.05	11.20	848.85
					9/6/2002	860.05	14.65	845.40
					12/11/2002	860.05	13.87	846.18
					3/20/2003	860.05	13.87	846.18
MW-17D					6/12/2003	860.05	12.56	847.49
					9/22/2003	860.05	13.49	846.56
					12/18/2003	860.05	17.46	842.59
					6/21/2004	860.05	9.90	850.15
MW-17D					9/8/2004	860.05	10.60	849.45
					12/28/2004	860.05	11.23	848.82
					9/19/2005	860.05	12.37	847.68
					12/29/2005	860.05	12.54	847.51
MW-17D					5/16/2006	860.05	10.77	849.28
					5/22/2007	860.05	9.21	850.84
					12/5/2007	860.05	9.69	850.36
					5/30/2008	860.05	8.07	851.98
					11/24/2008	860.05	10.14	849.91
					5/20/2009	860.05	8.44	851.61
					11/17/2009	860.05	10.37	849.68
					5/13/2010	860.05	9.03	851.02
					11/15/2010	860.05	9.77	850.28
					5/12/2011	860.05	8.77	851.28
MW-17D					5/10/2012	860.05	9.71	850.34
					6/10/2013	860.05	9.14	850.91
					5/13/2014	860.05	9.66	850.39
					5/13/2015	860.05	10.72	849.33
					5/17/2016	860.05	9.46	850.59
					11/29/2016	860.05	9.25	850.80
					5/18/2017	860.05	8.29	851.76
MW-17D					11/16/2017	860.05	11.77	848.28
					5/10/2018	860.05	9.62	850.43
					11/28/2018	860.05	7.21	852.84
MW-17D					5/16/2019	860.05	7.94	852.11

Table 4. Groundwater Elevation Summary Table, Former Sta-Rite Facility, Deerfield, Wisconsin

WELL ID	Top of Well Screen (feet btoc)	Top of Well Screen (feet MSL)	Bottom of Well Screen (feet btoc)	Bottom of Well Screen (feet MSL)	Sample Date	Top of Casing Elevation (feet MSL)	Depth to Water (ft. btoc)	Groundwater Elevation (feet MSL)
MW-17D					11/13/2019	860.05	7.92	852.13
					5/13/2020	860.05	8.21	851.84
MW-17D					11/12/2020	860.05	9.56	850.49
EW-1	14.7	845.38	114.7	745.38	5/16/2000	860.08	11.11	848.97

Notes: feet btoc = feet below top of casing feet MSL = feet above mean sea level

Wells MW-14S and MW-14I were abandoned during soil excavation activities, and replaced in February 2000 by MW-14SR and MW-14IR.

Groundwater remediation system (extraction well EW-1) became operational March 20, 2000.

SYSTEM OPERATIONAL DATA

FORMER STA-RITE DEERFIELD FACILITY GROUNDWATER REMEDIATION SYSTEM DATA SHEET

Project Number: 117-7469001

Location: 38 West Nelson Street, Deerfield, WI

Date	Time	Water Meter Readings (gallons)	Pumping Rate (gpm)	Volume of AquaMag in Yellow Tank (gallons)	Pressure Gauge Readings (psi)					Air Stripper Air-Flow Reading (scfm)	Comments
					Left Bag Filter		Right Bag Filter		Center Gauge		
					Upper Gauge	Lower Gauge	Upper Gauge	Lower Gauge			
5-5-20	13:30	4,715,262	0	70	0	0	0	0	0	0	14:00 RESTART SYSTEM
5-5-20	14:30	4,715,741	16.2	55	8	8	10	10	12	154	FILLED AQUA-MAG TANK
5-14-20	08:50	4,923,183	16.4	20	12	8	10	10	13	154	TURN OFF RECOVERY WELL
5-14-20	09:15	4,923,183	0	20	0	0	0	0	0	0	RESTART RECOVERY WELL
5-19-20	13:30	5,045,686	16.4	35	16	8	11	10	12	154	FILLED AQUA-MAG TANK

Note: gpm = gallons per minute psi = pounds per square inch scfm = standard cubic feet per minute

TETRA TECH

FORMER STA-RITE DEERFIELD FACILITY GROUNDWATER REMEDIATION SYSTEM DATA SHEET

Project Number: 117-7469005

Location: 38 West Nelson Street, Deerfield, WI

Date	Time	Water Meter Readings (gallons)	Pumping Rate (gpm)	Volume of AquaMag in Yellow Tank (gallons)	Pressure Gauge Readings (psi): Left Bag Filter Upper Gauge	Left Bag Filter Lower Gauge	Right Bag Filter Upper Gauge	Right Bag Filter Lower Gauge	Center Gauge	Air Stripper Air-Flow Reading (scfm)	Comments
7-7-20	16:55	6,097,151	16.2	27	16	8	10	10	14	147	CHECK SYSTEM:
7-14-20	11:03	6,257,539	16.33	19	9	8	10	9	13	148	
7-21-20	17:20	6,428,636	16.4	25	12	9	11	10	14	147	SHUT DOWN SYSTEM FOR BLDG MOVE:
9-15-20	11:20	6,428,888	16.6	25	0	8	10	10	12	148	RESTART PUMP IN HAND POSITION. FILLED AQUA-MAG TANK
9-22-20	15:05	6,578,397	15.8	35	8	8	10	10	12	147	COLLECT SYSTEM SAMPLE TROUBLE SHOOT PANEL PUMP IN AUTO:
9-23-20	10:35	6,615,519	17	35	6	8	12	10	14	147	CHECK SYSTEM AUTO POSITION
9-29-20	12:20	6,762,037	16.6	28	8	8	12	10	14	148	FILL AQUA-MAG TANK
10-7-20	14:30	6,954,351	16.4	35	18	8	11	10	14	147	PHONE LINE INSTALLED FILL AQUA-MAG TANK.
10-20-20	14:15	7,259,223	16.2	35	12	8	11	10	13	151	FILL AQUA-MAG TANK. PHONE LINE NOT CONNECTED
11-3-20	15:15	7,583,518	16.2	35	20	8	12	10	14	153	COLLECT INFLUENT & EFFLUENT SAMPLE:
11-11-20	15:55	7,771,405	16.3	29	10	8	12	10	14	153	SYSTEM SHUT DOWN WHEN FITTINGS WAS TIGHTENED. PUMP PURGE WATER
11-12-20	Between 13:45 & 14:10	7,792,855	0	29	0	0	0	0	0	0	
11-12-20	14:35	RESTART SYSTEM:									SEMI-ANNUAL MONITORING:
11-12-20	15:25	7,793,665	16.2	29	10	8	12	10	14	154	FILL TANK. SLIGHTLY CHANGE SETTINGS.
11-17-20	14:35	7,911,418	AVG 16.5	35	12	8	12	10	14	154	SLIGHTLY DECREASE SETTING
11-24-20	14:20	8,077,778	16.2	26	16	8	12	10	14	154	SYSTEM CHECK. BAG DRY
12-1-20	14:30	8,243,853	AVG 16.5	35	12	8	12	10	14	154	FILL TANK. SLIGHTLY DECREASE SETTINGS

Note: gpm = gallons per minute psi = pounds per square inch scfm = standard cubic feet per minute

TETRA TECH

FORMER STA-RITE DEERFIELD FACILITY GROUNDWATER REMEDIATION SYSTEM DATA SHEET

Project Number: 117-7469005

Location: 38 West Nelson Street, Deerfield, WI

Date	Time	Water Meter Readings (gallons)	Pumping Rate (gpm)	Volume of AquaMag in Yellow Tank (gallons)	Pressure Gauge Readings (psi)					Air Stripper Air-Flow Reading (scfm)	Comments
					Left Bag Filter		Right Bag Filter		Center Gauge		
					Upper Gauge	Lower Gauge	Upper Gauge	Lower Gauge			
12-1-20	14:30	8,243,853	Avg 16.5	35	12	8	12	10	14	154	FILL TANK. SLIGHTLY DIRTY SCREENS.
12-15-20	15:00	8,574,649	Avg 16.3	35	8	8	12	10	14	154	FILL AM MAG TANK.
12-29-20	12:45	8,901,495	16.3	35	5	8	11	10	14	155	Fill A.M. tank

Note: gpm = gallons per minute psi = pounds per square inch scfm = standard cubic feet per minute

TETRA TECH

LMI AA171-150SH Chemical Metering Pump Data Sheet
Sta-Rite Deerfield Remediation System

Install Date: May 18, 2006
Pump Model Number: AA171-150SH Pump Serial Number: 06042162397-1
Desired Pumping Rate of AquaMag and Water Mixture = 1 gallon per day

Water and AquaMag Mixture Ratio for Yellow 35-Gallon Polyethylene Holding Tank for a Total Pumping Rate of 1 gallon/day: 27 gallons Water; 8 gallons AquaMag.

Initial Calibrated Pump Settings to deliver 1 gallon per day: Stroke = 30; Speed = 20

To Prime Pump: While pump is running, set speed knob at 80 and stroke knob at 100. ¼ turn open the relief valve (black knob). A small amount of solution should discharge out of the return line of multi-function valve. Once this happens, ¼ turn or release the black knob on the valve. The pump is now primed.

Pumping Rate Checks and Pump Stroke and Speed Settings

Date	Volume of Water + AquaMag in Tank (gallons)	Calculated Pumping Rate (gal/day)	Stroke	Speed
11-13-19	15 GALS IN TANK. ADD 4.5 GALS AM + 15.5 GALS H2O	1.3	60	12
11-19-19	27 gal in tank. Add 1.8 gal A.M. and 6.2 gal H_2O	1.3	60	12
12-3-19	17 gal in tank! Add 4 gal AM and 14 gal H_2O	1.3	60	12
12-10-19	27 gal. in tank. Add 1.8 gal A.M. + 6.2 gal H_2O	1.1	60	12
12-31-19	9 gal. in tank. Add 6 gal. AM + 20 gal H_2O	1.2	60	12
1-14-20	19 GALS IN TANK. ADD 3.5 GALS AM + 12.5 GALS H2O	1.1	60	12
1-28-20	17 GALS IN TANK. ADD 4 GALS AM + 14 GALS H2O	1.2	60	12
2-11-20	17 GALS IN TANK. ADD 4 GALS AQUA-MAG + 14 GALS H2O	1.3	60	12
2-25-20	18 GALS IN TANK. ADD 3.5 AQUA-MAG + 13.5 GALS H2O	1.2	60	12
3-10-20	19 GALS IN TANK. ADD 3.5 GALS AQUA-MAG + 12.5 GALS H2O	1.1	60	12
3-24-20	19 GALS IN TANK. ADD 3.5 GALS AQUA-MAG + 12.5 GALS H2O	1.1	60	12
4-7-20	20 Gal. in Tank Add 3½ gal. AM + 11½ gal H_2O	1.07	60	12
4-21-20	20 GALS IN TANK. ADD 3.5 GALS AQUA-MAG + 11.5 GALS H2O	1.07	60	12
5-5-20	26 GALS IN TANK. ADD 2.5 GALS AQUA-MAG + 6.5 GALS H2O DOWN UPON ARRIVAL	NA: SYSTEM	60	12
5-19-20	20 GALS IN TANK. ADD 3.5 GALS AQUA-MAG + 11.5 GALS H2O.	1.07	60	12

LMI AA171-150SH Chemical Metering Pump Data Sheet
Sta-Rite Deerfield Remediation System

Install Date: May 18, 2006
Pump Model Number: AA171-150SH Pump Serial Number: 06042162397-1
Desired Pumping Rate of AquaMag and Water Mixture = 1 gallon per day

Water and AquaMag Mixture Ratio for Yellow 35-Gallon Polyethylene Holding Tank for a Total Pumping Rate of 1 gallon/day: 27 gallons Water; 8 gallons AquaMag.

Initial Calibrated Pump Settings to deliver 1 gallon per day: Stroke = 30; Speed = 20

To Prime Pump: While pump is running, set speed knob at 80 and stroke knob at 100. ¼ turn open the relief valve (black knob). A small amount of solution should discharge out of the return line of multi-function valve. Once this happens, ¼ turn or release the black knob on the valve. The pump is now primed.

Pumping Rate Checks and Pump Stroke and Speed Settings

Date	Volume of Water + AquaMag in Tank (gallons)	Calculated Pumping Rate (gal/day)	Stroke	Speed
5-19-20	20 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 11.5 GALS H2O.	1.07	60	12
6-2-20	19 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 12.5 GALS H2O.	1.1	60	12
6-16-20	19 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 12.5 GALS H2O	1.1	60	12
6-30-20	24 GALS IN TANK. ADD 2.5 GALS AQUA-MAG & 8.5 GALS H2O	SYSTEM DOWN UPON ARRIVAL	60	12
7-14-20	19 gal in tank. Add 3.5 gal AM & 12.5 gal H_2O	1.1	60	12
9-22-20	15 GALS IN TANK. ADD 4.5 GALS AQUA-MAG AND 15.5 GALS H2O	NA	60	12
10-7-20	19 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 12.5 GALS H2O.	1.1	60	12
10-20-20	20 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 11.5 GALS H2O.	1.2	60	10
11-3-20	23 GALS IN TANK. ADD 2.5 GALS AQUA-MAG & 9.5 GALS H2O	0.9	60	12
11-17-20	25 GALS IN TANK. ADD 2.5 GALS AM & 7.5 GALS H2O.	0.7	SLIGHTLY INCREASE SETTINGS 60	12
12-1-20	17 GALS IN TANK. ADD 4 GALS AQUA-MAG & 14 GALS H2O.	1.3	SLIGHTLY DECREASE SETTINGS 60	12
12-15-20	20 GALS IN TANK. ADD 3.5 GALS AQUA-MAG & 11.5 GALS H2O	1.1	60	12
12-29-20	20 gal in tank. Add 3.5 gal A.M. & 11.5 gal H_2O	1.1	60	12

SEMI-ANNUAL GROUNDWATER MONITORING
FIELD FORMS AND ANALYTICAL REPORTS

TETRA TECH

TETRA TECH REMEDIATION SYSTEM FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite Deerfield Remedial Action	Temp. & pH	Hanna
PROJECT NO.	117-7469005.01	Conductivity	Hanna
LOCATION	Deerfield, Wisconsin	ORP	NA
PERSONNEL	Todd Thomson	DO	NA

SAMPLE ID		Influent	Effluent		
WATER TYPE		Groundwater	Groundwater		
DATE (month/day/year)		3-10-20	3-10-20		
CLOCK TIME (Military)		12:30	12:40		
EXTRACTION WELL DEPTH (feet below top of well casing)		115	115		
FLOW METER READING (gallons)		3546125	3546292		
FLOW RATE (gpm)		16.8	16.8		
SAMPLING DEVICE		Sample tap before particulate filters.	Sample tap after air stripper.		
FIELD TEMPERATURE (°C)		14.1	12.8		
pH		7.25	8.17		
ELEC. COND. (uS/cm)	Measured	NA	NA		
	at 25° C	955	952		
COLOR		CLEAR	CLEAR		
ODOR		NONE	NONE		
CLARITY		CLEAR	CLEAR		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)			
TCE, 1,1,1-TCA, 1,1,2-TCA vinyl chloride & BETX (EPA Method SW 8260B)	3-40 ml; G; HCL-L; No	3-40 ml; G; HCL-L; No		

Note: TCE = Trichloroethene TCA = Trichloroethane
BETX = Benzene, Ethylbenzene, Toluene and Xylenes

NAME OF LABORATORY	TestAmerica	TestAmerica		
DATE SENT TO LAB	3-11-20	3-11-20		
SAMPLER'S NAME	Todd Thomson	Todd Thomson		

TETRA TECH GEO FIELD WATER LEVEL DATA SHEET

Project Number: 117-7469005.01
Location: Deerfield, WI
Personnel: Todd M Thomson

Project Name: Sta-Rite, Deerfield Remedial Action
Instrument: _____

Monitor Well Identification	Date	Time	Depth to Groundwater (feet below top of casing)	Comments
MW-1S	5-13-20	17:05	6.41	
MW-1I	NA	NA	NA	Abandoned?
MW-2S	5-13-20	16:05	7.73	
MW-3S	5-13-20	16:45	7.08	
MW-4S	NA	NA	NA	Unable to locate
MW-5S	NA	NA	NA	Area covered by dumpster.
MW-5I	NA	NA	NA	Area covered by dumpster
MW-6S	NA	NA	NA	Damaged
MW-7S	5-13-20	16:40	5.81	
MW-8S	5-13-20	16:55	2.79	
MW-9S	NA	NA	NA	Unable to locate
MW-10S	5-13-20	09:20	5.69	
MW-10I	5-13-20	09:25	6.02	
MW-11S	5-13-20	16:20	5.30	PVC Jagged, Highest Point
MW-12S	5-13-20	16:30	15.12	
MW-13S	5-13-20	16:25	8.09	
MW-14SR	5-13-20	10:30	8.47	
MW-14IR	5-13-20	10:35	8.33	
MW-15D	5-13-20	09:15	8.08	
MW-16D	5-13-20	12:45	8.37	
MW-17D	5-13-20	15:15	8.21	

TETRA TECH

TETRA TECH LOW-FLOW METHOD FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM FOR SAMPLEPRO AND PERISTALTIC PUMPS

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Pentair Deerfield	Temp., pH,	QED MP20 Flow Cell Meter
PROJECT NO.	117-7469005.01	Conductivity	QED MP20 Flow Cell Meter
LOCATION	Deerfield, Wi..	ORP	QED MP20 Flow Cell Meter
PERSONNEL	Todd M Thomson	DO	QED MP20 Flow Cell Meter

MONITOR WELL ID	MW-15D	MW-16D	MW-17D
WATER TYPE	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	5-13-20	5-13-20	5-13-20
STATIC WATER LEVEL (ft)*/TIME	8.08	8.37	8.21
WELL DEPTH (feet)*	119.20	113.90	114.70
PUMP INLET DEPTH (feet)*	114.20	108.90	109.70
ENDING WATER LEVEL (ft)*/TIME	8.13	8.51	8.91
START PURGE TIME (Military)	14:00	12:55	15:25
END PURGE TIME (Military)	14:15	13:10	15:40
PURGE VOLUME (gallons)	1	1	1
SAMPLE TIME (Military)	14:30 & 14:35	13:30	16:00

INDICATOR PARAMETERS	MW-15D 1st	MW-15D 2nd	MW-15D 3rd	MW-16D 1st	MW-16D 2nd	MW-16D 3rd	MW-17D 1st	MW-17D 2nd	MW-17D 3rd
TIME (minutes)	1:00	2:00	3:00	1:00	2:00	3:00	1:00	2:00	3:00
TEMPERATURE (° C)	12.26	12.14	12.01	12.62	12.53	12.46	13.04	12.68	12.35
ELEC. COND. (uS/cm)	0.993	1.114	1.245	0.571	0.574	0.576	0.852	0.850	0.849
DISSOLVED OXYGEN (ppm)	2.49	2.28	2.09	3.79	3.71	3.64	2.01	1.66	1.44
pH	7.90	7.85	7.83	7.25	7.34	7.44	8.14	8.12	8.12
ORP (mV)	-5	-5	-6	-44	-43	-41	8	7	6
DISSOLVED OXYGEN (% Sat.)	23.3	21.3	19.5	35.8	34.9	34.2	19.1	15.7	13.5
COLOR	Clear			Clear			Clear		
ODOR	None			None			None		
CLARITY	Clear			Clear			Clear		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs 8260B	3-40 mL; G; HCL-L; No	3-40 mL; G; HCL-L; No	3-40 mL; G; HCL-L; No
	Duplicate		
NAME OF LABORATORY	Test America	Test America	Test America
DATE SENT TO LAB	**5-18-20**	**5-18-20**	**5-18-20**
SAMPLER=S NAME	Todd M Thomson	Todd M Thomson	Todd M Thomson

*Measured from top of well casing.

TETRA TECH

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite, Deerfield	TEMPERATURE	Hanna
PROJECT NO.	117-7469005.01	CONDUCTIVITY	Hanna
LOCATION	Deerfield, WI	pH METER	Hanna
PERSONNEL	Todd M Thomson	OTHER	WLP: HERON

SAMPLE POINT		MW-10S	MW-10I	MW-14S(R)	MW-14I(R)	
WATER TYPE		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)		5-13-20	5-13-20	5-13-20	5-13-20	
CLOCK TIME (Military)		12:10	12:30	11:30	11:50	
DEPTH TO WATER (ft)*		5.69	6.02	8.47	8.33	
MEASURED WELL DEPTH (ft)*		13.75	26.27	13.94	22.44	
PURGE/CASING VOL. (gal)		6 Dry	15	8	5 Dry	
DEPTH SAMPLE TAKEN (ft)*		10	20	10	20	
SAMPLING DEVICE		Bailer	Bailer	Bailer	Bailer	
FIELD TEMPERATURE (°C)		11.1	10.8	10.9	10.6	
ELEC. COND. (umhos/cm)	MEASURED	Not Measured	Not Measured	Not Measured	Not Measured	
	AT 25 °C	1684	1008	1059	740	
pH		6.72	7.05	7.36	7.04	
COLOR		Clear	Clear	Clear	Clear	
ODOR		None	None	None	None	
CLARITY		Clear	Clear	Clear	Clear	

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS, G = GLASS, P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)				
VOCs (EPA Method SW 8260B)	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	
NAME OF LABORATORY	Test America	Test America	Test America	Test America	
DATE SENT TO LABORATORY	5-18-20	5-18-20	5-18-20	5-18-20	
SAMPLER'S NAME	Todd M Thomson	Todd M Thomson	Todd M Thomson	Todd M Thomson	

* Measured from top of well casing.

TETRA TECH REMEDIATION SYSTEM FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite Deerfield Remedial Action	Temp. & pH	Hanna
PROJECT NO.	117-7469005.01	Conductivity	Hanna
LOCATION	Deerfield, Wisconsin	ORP	NA
PERSONNEL	Todd Thomson	DO	NA

SAMPLE ID		Influent	Effluent		
WATER TYPE		Groundwater	Groundwater		
DATE (month/day/year)		5-14-20	5-14-20		
CLOCK TIME (Military)		08:30	08:40		
EXTRACTION WELL DEPTH (feet below top of well casing)		115	115		
FLOW METER READING (gallons)		4,922,855	4,923,019		
FLOW RATE (gpm)		16.4	16.4		
SAMPLING DEVICE		Sample tap before particulate filters.	Sample tap after air stripper.		
FIELD TEMPERATURE (°C)		13.2	13.1		
pH		6.90	7.85		
ELEC. COND. (uS/cm)	Measured	NA	NA		
	at 25° C	974	965		
COLOR		CLEAR	CLEAR		
ODOR		NONE	NONE		
CLARITY		CLEAR	CLEAR		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)			
TCE, 1,1,1-TCA, 1,1,2-TCA vinyl chloride & BETX (EPA Method SW 8260B)	3-40 ml; G; HCL-L; No	3-40 ml; G; HCL-L; No		

Note: TCE = Trichloroethene TCA = Trichloroethane
BETX = Benzene, Ethylbenzene, Toluene and Xylenes

NAME OF LABORATORY	TestAmerica	TestAmerica		
DATE SENT TO LAB	5-18-20	5-18-20		
SAMPLER'S NAME	Todd Thomson	Todd Thomson		

TETRA TECH

TETRA TECH REMEDIATION SYSTEM FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite Deerfield Remedial Action	Temp. & pH	Hanna
PROJECT NO.	117-7469005.01	Conductivity	Hanna
LOCATION	Deerfield, Wisconsin	ORP	NA
PERSONNEL	Todd Thomson	DO	NA

SAMPLE ID		Influent	Effluent		
WATER TYPE		Groundwater	Groundwater		
DATE (month/day/year)		9-22-20	9-22-20		
CLOCK TIME (Military)		13:30	14:35		
EXTRACTION WELL DEPTH (feet below top of well casing)		115	115		
FLOW METER READING (gallons)		6596877	6597950		
FLOW RATE (gpm)		16.5	16.6		
SAMPLING DEVICE		Sample tap before particulate filters.	Sample tap after air stripper.		
FIELD TEMPERATURE (°C)		14.4	15.6		
pH		6.67	7.71		
ELEC. COND. (uS/cm)	Measured	NA	NA		
	at 25° C	985	963		
COLOR		CLEAR	CLEAR		
ODOR		NONE	NONE		
CLARITY		CLEAR	CLEAR		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)			
TCE, 1,1,1-TCA, 1,1,2-TCA vinyl chloride & BETX (EPA Method SW 8260B)	3-40 ml; G; HCL-L; No	3-40 ml; G; HCL-L; No		

Note: TCE = Trichloroethene TCA = Trichloroethane
BETX = Benzene, Ethylbenzene, Toluene and Xylenes

NAME OF LABORATORY	TestAmerica	TestAmerica		
DATE SENT TO LAB	9-24-20	9-24-20		
SAMPLER'S NAME	Todd Thomson	Todd Thomson		

TETRA TECH

TETRA TECH REMEDIATION SYSTEM FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite Deerfield Remedial Action	Temp. & pH	Hanna
PROJECT NO.	117-7469005.01	Conductivity	Hanna
LOCATION	Deerfield, Wisconsin	ORP	NA
PERSONNEL	Todd Thomson	DO	NA

SAMPLE ID		Influent	Effluent		
WATER TYPE		Groundwater	Groundwater		
DATE (month/day/year)		11-11-20	11-11-20		
CLOCK TIME (Military)		15:30	15:45		
EXTRACTION WELL DEPTH (feet below top of well casing)		115	115		
FLOW METER READING (gallons)		7,770,997	7,771,242		
FLOW RATE (gpm)		16.3	16.3		
SAMPLING DEVICE		Sample tap before particulate filters.	Sample tap after air stripper.		
FIELD TEMPERATURE (°C)		12.9	12.9		
pH		6.96	7.75		
ELEC. COND. (uS/cm)	Measured	NA	NA		
	at 25° C	995	980		
COLOR		CLEAR	CLEAR		
ODOR		NONE	NONE		
CLARITY		CLEAR	CLEAR		

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A = AMBER GLASS; G = GLASS; P = PLASTIC); PRESERVATIVE TYPE (L = LAB ADDED; F = FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)			
TCE, 1,1,1-TCA, 1,1,2-TCA vinyl chloride & BETX (EPA Method SW 8260B)	3-40 ml; G; HCL-L; No	3-40 ml; G; HCL-L; No		

Note: TCE = Trichloroethene TCA = Trichloroethane
BETX = Benzene, Ethylbenzene, Toluene and Xylenes

NAME OF LABORATORY	TestAmerica	TestAmerica		
DATE SENT TO LAB	11-13-20	11-13-20		
SAMPLER'S NAME	Todd Thomson	Todd Thomson		

TETRA TECH

TETRA TECH LOW-FLOW METHOD FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM FOR SAMPLEPRO AND PERISTALTIC PUMPS

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Pentair Deerfield	Temp., pH,	QED MP20 Flow Cell Meter
PROJECT NO.	117-7469005.01	Conductivity	QED MP20 Flow Cell Meter
LOCATION	Deerfield, Wi..	ORP	QED MP20 Flow Cell Meter
PERSONNEL	Todd M Thomson	DO	QED MP20 Flow Cell Meter

MONITOR WELL ID	MW-15D	MW-16D	MW-17D
WATER TYPE	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	11-12-20	11-12-20	11-12-20
STATIC WATER LEVEL (ft)*/TIME	9.45 / OILY	9.78	9.56
WELL DEPTH (feet)*	119.20	113.90	114.70
PUMP INLET DEPTH (feet)*	114.20	108.90	109.70
ENDING WATER LEVEL (ft)*/TIME	NA / No OIL	9.90	9.60
START PURGE TIME (Military)	NA	09:20	10:35
END PURGE TIME (Military)	BAILED	09:35	10:50
PURGE VOLUME (gallons)	20	1	1
SAMPLE TIME (Military)	14:00	09:50	11:00

INDICATOR PARAMETERS	MW-15D 1st	MW-15D 2nd	MW-15D 3rd	MW-16D 1st	MW-16D 2nd	MW-16D 3rd	MW-17D 1st	MW-17D 2nd	MW-17D 3rd
TIME (minutes)	GRAB	NA :00	NA :00	00 :00	2 :00	4 :00	2 :00	4 :00	6 :00
TEMPERATURE (° C)	13.0			11.73	11.77	11.75	11.94	12.04	12.12
ELEC. COND. (uS/cm)	1377			0.590	0.589	0.593	0.867	0.867	0.864
DISSOLVED OXYGEN (ppm)	NA			4.17	3.95	3.76	2.27	1.74	1.37
pH	6.81			7.20	7.26	7.32	6.86	6.86	6.85
ORP (mV)	NA			179	179	178	165	160	155
DISSOLVED OXYGEN (% Sat.)	NA	V	V	38.5	36.5	34.8	21.4	16.3	12.8

	MW-15D	MW-16D	MW-17D
COLOR	CLEAR	CLEAR	CLEAR
ODOR	NONE	NONE	NONE
CLARITY	CLEAR	CLEAR	CLEAR

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME; CONTAINER TYPE (A=AMBER; G=GLASS; P=PLASTIC); PRESERVATIVE TYPE (L=LAB ADDED; F=FIELD ADDED) OR NEUTRAL; FILTERED (YES or NO)		
VOCs 8260B	3-40 mL; G; HCL-L; No	3-40 mL; G; HCL-L; No	3-40 mL; G; HCL-L; No
	INITIAL WATER HAD A SHEEN. WIPE OFF BAILER DURING INITIAL SHALLOW BAILING.		

	MW-15D	MW-16D	MW-17D
NAME OF LABORATORY	Test America	Test America	Test America
DATE SENT TO LAB	11-13-20		
SAMPLER=S NAME	Todd M Thomson	Todd M Thomson	Todd M Thomson

*Measured from top of well casing.

TETRA TECH GEO FIELD WATER QUALITY SAMPLING AND ANALYSIS FORM

PROJECT INFORMATION		INSTRUMENTS	
PROJECT	Sta-Rite, Deerfield	TEMPERATURE	Hanna
PROJECT NO.	117-7469003.01	CONDUCTIVITY	Hanna
LOCATION	Deerfield, WI	pH METER	Hanna
PERSONNEL	Todd M Thomson	OTHER	WLP: HERON

SAMPLE POINT	MW-10S	MW-10I/DUP	MW-14S(R)	MW-14I(R)	
WATER TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE (month/day/year)	11/12/20	11/12/20	11/12/20	11/12/20	
CLOCK TIME (Military)	12:35	12:20/12:25	12:00	11:50	
DEPTH TO WATER (ft)*	7.05	7.40	9.03	7.75	
MEASURED WELL DEPTH (ft)*	13.75 13.19	26.27 26.40	15.04 12.74	24.76 21.95	
PURGE/CASING VOL. (gal)	4 dry	15	5 dry	4.5 dry	
DEPTH SAMPLE TAKEN (ft)*	10	20	10	20	
SAMPLING DEVICE	Bailer	Bailer	Bailer	Bailer	
FIELD TEMPERATURE (°C)	14.8	14.2	14.6	15.9	
ELEC. COND. (umhos/cm) MEASURED	Not Measured	Not Measured	Not Measured	Not Measured	
ELEC. COND. (umhos/cm) AT 25 °C	2125	1169	1037	1051	
pH	7.35	7.63	7.92	7.44	
COLOR	Clear	Clear	Clear	Clear	
ODOR	None	None	None	None	
CLARITY	Clear	Clear	Clear	Clear	

SAMPLING PARAMETERS	# OF CONTAINERS & VOLUME, CONTAINER TYPE (A = AMBER GLASS, G = GLASS, P = PLASTIC), PRESERVATIVE TYPE (L = LAB ADDED, F = FIELD ADDED) OR NEUTRAL, FILTERED (YES or NO)				
VOCs (EPA Method SW 8260B)	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	3 - 40 ml; G; HCL - L; No	
		Dup.			
NAME OF LABORATORY	Test America	Test America	Test America	Test America	
DATE SENT TO LABORATORY	11-13-20	→	→	→	
SAMPLER-S NAME	Todd M Thomson	Todd M Thomson	Todd M Thomson	Todd M Thomson	

* Measured from top of well casing

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-179172-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
3/24/2020 7:49:24 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-179172-1

Job ID: 500-179172-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-179172-1

Comments
No additional comments.

Receipt
The samples were received on 3/12/2020 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

GC/MS VOA
Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (500-179172-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-179172-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent — Lab Sample ID: 500-179172-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.6		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene - DL	200		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 500-179172-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.4		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-179172-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-179172-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-179172-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-179172-1	Influent	Water	03/10/20 12:30	03/12/20 09:15	
500-179172-2	Effluent	Water	03/10/20 12:40	03/12/20 09:15	
500-179172-3	Trip Blank	Water	03/10/20 00:00	03/12/20 09:15	

Client Sample ID: Influent
Lab Sample ID: 500-179172-1
Date Collected: 03/10/20 12:30
Matrix: Water
Date Received: 03/12/20 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/20/20 18:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/20/20 18:28	1
Toluene	<0.15		0.50	0.15	ug/L			03/20/20 18:28	1
1,1,1-Trichloroethane	**4.6**		1.0	0.38	ug/L			03/20/20 18:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/20/20 18:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/20/20 18:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/20/20 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*03/20/20 18:28*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*03/20/20 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*03/20/20 18:28*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/20/20 18:28*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**200**		5.0	1.6	ug/L			03/20/20 18:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*03/20/20 18:52*	*10*
Dibromofluoromethane	*112*		*75 - 120*		*03/20/20 18:52*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*03/20/20 18:52*	*10*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/20/20 18:52*	*10*

Client Sample ID: Effluent
Lab Sample ID: 500-179172-2
Date Collected: 03/10/20 12:40
Matrix: Water
Date Received: 03/12/20 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/20/20 19:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/20/20 19:16	1
Toluene	<0.15		0.50	0.15	ug/L			03/20/20 19:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/20/20 19:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/20/20 19:16	1
Trichloroethene	**1.4**		0.50	0.16	ug/L			03/20/20 19:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/20/20 19:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/20/20 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*03/20/20 19:16*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*03/20/20 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*03/20/20 19:16*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/20/20 19:16*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-179172-1

Client Sample ID: Trip Blank

Date Collected: 03/10/20 00:00
Date Received: 03/12/20 09:15

Lab Sample ID: 500-179172-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/20/20 19:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/20/20 19:40	1
Toluene	<0.15		0.50	0.15	ug/L			03/20/20 19:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/20/20 19:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/20/20 19:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/20/20 19:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/20/20 19:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/20/20 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*03/20/20 19:40*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*03/20/20 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*03/20/20 19:40*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/20/20 19:40*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-179172-1
Project/Site: Pentair Deerfield - 117-7469005.01

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Job ID: 500-179172-1
Project/Site: Pentair Deerfield - 117-7469005.01

GC/MS VOA

Analysis Batch: 534686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-179172-1	Influent	Total/NA	Water	8260B	
500-179172-1 - DL	Influent	Total/NA	Water	8260B	
500-179172-2	Effluent	Total/NA	Water	8260B	
500-179172-3	Trip Blank	Total/NA	Water	8260B	
MB 500-534686/6	Method Blank	Total/NA	Water	8260B	
LCS 500-534686/4	Lab Control Sample	Total/NA	Water	8260B	
500-179172-2 MS	Effluent	Total/NA	Water	8260B	
500-179172-2 MSD	Effluent	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-179172-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-179172-1	Influent	89	109	100	100
500-179172-1 - DL	Influent	88	112	105	99
500-179172-2	Effluent	87	113	102	99
500-179172-2 MS	Effluent	92	113	103	98
500-179172-2 MSD	Effluent	90	112	103	99
500-179172-3	Trip Blank	91	113	102	98
LCS 500-534686/4	Lab Control Sample	91	106	95	104
MB 500-534686/6	Method Blank	91	110	102	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-534686/6
Matrix: Water
Analysis Batch: 534686

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/20/20 12:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/20/20 12:04	1
Toluene	<0.15		0.50	0.15	ug/L			03/20/20 12:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/20/20 12:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/20/20 12:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/20/20 12:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/20/20 12:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/20/20 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*03/20/20 12:04*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*03/20/20 12:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*03/20/20 12:04*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/20/20 12:04*	*1*

Lab Sample ID: LCS 500-534686/4
Matrix: Water
Analysis Batch: 534686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.5		ug/L		103	70 - 120
Ethylbenzene	50.0	54.5		ug/L		109	70 - 123
m&p-Xylene	50.0	50.4		ug/L		101	70 - 125
o-Xylene	50.0	51.2		ug/L		102	70 - 120
Toluene	50.0	51.9		ug/L		104	70 - 125
1,1,1-Trichloroethane	50.0	54.9		ug/L		110	70 - 125
1,1,2-Trichloroethane	50.0	49.2		ug/L		98	71 - 130
Trichloroethene	50.0	57.4		ug/L		115	70 - 125
Vinyl chloride	50.0	51.5		ug/L		103	64 - 126
Xylenes, Total	100	102		ug/L		102	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*106*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: 500-179172-2 MS
Matrix: Water
Analysis Batch: 534686

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	55.7		ug/L		111	70 - 120
Ethylbenzene	<0.18		50.0	54.8		ug/L		110	70 - 123
m&p-Xylene	<0.18		50.0	50.4		ug/L		101	70 - 125
o-Xylene	<0.22		50.0	53.2		ug/L		106	70 - 120
Toluene	<0.15		50.0	52.2		ug/L		104	70 - 125
1,1,1-Trichloroethane	<0.38		50.0	53.8		ug/L		108	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-179172-2 MS
Matrix: Water
Analysis Batch: 534686

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	<0.35		50.0	54.3		ug/L		109	71 - 130
Trichloroethene	1.4		50.0	59.1		ug/L		115	70 - 125
Vinyl chloride	<0.20		50.0	46.3		ug/L		93	64 - 126
Xylenes, Total	<0.22		100	104		ug/L		104	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*113*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: 500-179172-2 MSD
Matrix: Water
Analysis Batch: 534686

Client Sample ID: Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	58.9		ug/L		118	70 - 120	6	20
Ethylbenzene	<0.18		50.0	58.1		ug/L		116	70 - 123	6	20
m&p-Xylene	<0.18		50.0	53.5		ug/L		107	70 - 125	6	20
o-Xylene	<0.22		50.0	55.6		ug/L		111	70 - 120	4	20
Toluene	<0.15		50.0	55.0		ug/L		110	70 - 125	5	20
1,1,1-Trichloroethane	<0.38		50.0	58.7		ug/L		117	70 - 125	9	20
1,1,2-Trichloroethane	<0.35		50.0	56.8		ug/L		114	71 - 130	4	20
Trichloroethene	1.4		50.0	63.6		ug/L		124	70 - 125	7	20
Vinyl chloride	<0.20		50.0	46.8		ug/L		94	64 - 126	1	20
Xylenes, Total	<0.22		100	109		ug/L		109	70 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*112*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-179172-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-179172-1
Date Collected: 03/10/20 12:30
Matrix: Water
Date Received: 03/12/20 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	534686	03/20/20 18:28	JLC	TAL CHI
Total/NA	Analysis	8260B	DL	10	534686	03/20/20 18:52	JLC	TAL CHI

Client Sample ID: Effluent
Lab Sample ID: 500-179172-2
Date Collected: 03/10/20 12:40
Matrix: Water
Date Received: 03/12/20 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	534686	03/20/20 19:16	JLC	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-179172-3
Date Collected: 03/10/20 00:00
Matrix: Water
Date Received: 03/12/20 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	534686	03/20/20 19:40	JLC	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-179172-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	999580010	08-31-20

TestAmerica
ANALYTICAL TESTING CORPORATION

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring 500-179172

500-179172 COC

Client Name: TETRA TECH
Client #:
Address: 175 N. CORPORATE DR. SUITE 100
City/State/Zip Code: BROOKFIELD, WI. 53045
Project Manager: MARK MATTHEY
Telephone Number: (262) 792-1282
Fax:
Sampler Name: (Print Name) TODD M THOMSON
Sampler Signature:

Project Name: PENTAIR DEERFIELD
Project #: 117-7429005.01
Site/Location ID: DEERFIELD
State: WI
Report To: MARK MATTHEY
Invoice To:
Quote #:
PO#:

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: STANDARD
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other:

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, S - Soil/Solid, GW - Groundwater, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: TCE	1,1-TCA	1,2-TCA	CHLORIDE	TDS	BY 8260B	REMARKS
1	INFLUENT	3-10	12:30	G	N	GW		3						✓	✓	✓	✓	✓		
2	EFFLUENT	3-10	12:40	G	N	GW		3						✓	✓	✓	✓	✓		
3	TRIP BLANK	—	—	G	N	DI		2						✓	✓	✓	✓	✓		LAB PREPARED

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 5.4
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: TETRA TECH DROP OFF

	Date	Time		Date	Time
Relinquished By:	3-11-20	0900	Received By:	3-11-20	0900
Relinquished By:	3-11-20	17:00	Received By:	3/12/20	0915
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-179172-1

Login Number: 179172
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-182208-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
5/27/2020 5:31:47 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Job ID: 500-182208-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-182208-1

Comments
No additional comments.

Receipt
The samples were received on 5/19/2020 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-14SR (500-182208-3), MW-14IR (500-182208-4), MW-15D (500-182208-6), MW-15D Dup (500-182208-7) and MW-17D (500-182208-8). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 543961 were outside control limits for Chloromethane, Dibromomethane and Dichlorodifluoromethane Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was biased low for Chloromethane and the rest of the analytes were within acceptance limits.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 543967 were outside control limits for cis-1,2-Dichloroethene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: The method blank for analytical batch 543961 contained Naphthalene above the Method dectection limit (MDL) but below reporting limit (RL). Naphthalene was non-dectect in the samples: therefore, no re-analysis was done and the data has been reported.

Method 8260B: The laboratory control sample (LCS) for 543961 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The MS/ MSD (matrix spike and matrix spike duplicate) in batch 543961 were analyzed 21 and 45 minutes outside the method specified 12 hour tune time. (500-182208-A-5 MS) and (500-182208-A-5 MSD)

Method 8260B: The MS/ MSD (matrix spike and matrix spike duplicate) in batch 543967 were analyzed 32 and 60 minutes outside the method specified 12 hour tune time. (500-182208-A-7 MS) and (500-182208-A-7 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-182208-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-10S — Lab Sample ID: 500-182208-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.2		1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10I — Lab Sample ID: 500-182208-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	5.2		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.6		1.0	0.39	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.92	J	1.0	0.37	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	36		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	29		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-14SR — Lab Sample ID: 500-182208-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.8		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene - DL	270		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-14IR — Lab Sample ID: 500-182208-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.8		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.95	J	1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene - DL	320		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-16D — Lab Sample ID: 500-182208-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.45	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-15D — Lab Sample ID: 500-182208-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.9		1.0	0.39	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	5.1		1.0	0.35	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	730		10	4.1	ug/L	10		8260B	Total/NA
Trichloroethene - DL	160		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-15D Dup — Lab Sample ID: 500-182208-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	J	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		1.0	0.39	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.0		1.0	0.35	ug/L	1		8260B	Total/NA
Vinyl chloride	0.23	J	1.0	0.20	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	750		10	4.1	ug/L	10		8260B	Total/NA
Trichloroethene - DL	170		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-17D — Lab Sample ID: 500-182208-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	16		2.0	0.82	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	93		2.0	0.78	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	3.8		2.0	0.70	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-182208-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-17D (Continued)
Lab Sample ID: 500-182208-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	120		2.0	0.76	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene - DL	510		20	8.2	ug/L	20		8260B	Total/NA
Trichloroethene - DL	880		10	3.3	ug/L	20		8260B	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 500-182208-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-182208-1	MW-10S	Ground Water	05/13/20 12:10	05/19/20 11:00	
500-182208-2	MW-10I	Ground Water	05/13/20 12:30	05/19/20 11:00	
500-182208-3	MW-14SR	Ground Water	05/13/20 11:30	05/19/20 11:00	
500-182208-4	MW-14IR	Ground Water	05/13/20 11:50	05/19/20 11:00	
500-182208-5	MW-16D	Ground Water	05/13/20 13:30	05/19/20 11:00	
500-182208-6	MW-15D	Ground Water	05/13/20 14:30	05/19/20 11:00	
500-182208-7	MW-15D Dup	Ground Water	05/13/20 14:35	05/19/20 11:00	
500-182208-8	MW-17D	Ground Water	05/13/20 16:00	05/19/20 11:00	
500-182208-9	Trip Blank	Water	05/13/20 00:00	05/19/20 11:00	

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-10S
Date Collected: 05/13/20 12:10
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 17:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 17:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 17:22	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 17:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 17:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 17:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 17:22	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 17:22	1
Chloromethane	<0.32	*	1.0	0.32	ug/L			05/22/20 17:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 17:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 17:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 17:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 17:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 17:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 17:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 17:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 17:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 17:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 17:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 17:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 17:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 17:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 17:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 17:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 17:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 17:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 17:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 17:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:22	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 17:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 17:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 17:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 17:22	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 17:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 17:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-10S
Date Collected: 05/13/20 12:10
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 17:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 17:22	1
1,1,1-Trichloroethane	**3.2**		1.0	0.38	ug/L			05/22/20 17:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 17:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/22/20 17:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 17:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 17:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 17:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 17:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/22/20 17:22*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*05/22/20 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/22/20 17:22*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/22/20 17:22*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-10I

Date Collected: 05/13/20 12:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 17:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 17:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 17:46	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 17:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 17:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 17:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 17:46	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 17:46	1
Chloromethane	<0.32	*	1.0	0.32	ug/L			05/22/20 17:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 17:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 17:46	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.41	ug/L			05/22/20 17:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 17:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 17:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 17:46	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 17:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 17:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 17:46	1
1,1-Dichloroethane	**5.2**		1.0	0.41	ug/L			05/22/20 17:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
1,1-Dichloroethene	**1.6**		1.0	0.39	ug/L			05/22/20 17:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 17:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 17:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 17:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 17:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 17:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 17:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 17:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 17:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 17:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:46	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 17:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 17:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 17:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 17:46	1
Tetrachloroethene	**0.92**	**J**	1.0	0.37	ug/L			05/22/20 17:46	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 17:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 17:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-10I
Date Collected: 05/13/20 12:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-2
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 17:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 17:46	1
1,1,1-Trichloroethane	**36**		1.0	0.38	ug/L			05/22/20 17:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 17:46	1
Trichloroethene	**29**		0.50	0.16	ug/L			05/22/20 17:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 17:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 17:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 17:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 17:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 17:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/22/20 17:46*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*05/22/20 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*05/22/20 17:46*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/22/20 17:46*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-14SR
Date Collected: 05/13/20 11:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 18:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 18:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 18:09	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 18:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 18:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 18:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 18:09	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 18:09	1
Chloromethane	<0.32	*	1.0	0.32	ug/L			05/22/20 18:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 18:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 18:09	1
cis-1,2-Dichloroethene	**2.8**		1.0	0.41	ug/L			05/22/20 18:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 18:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 18:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 18:09	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 18:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 18:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 18:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 18:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 18:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 18:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 18:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 18:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 18:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 18:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 18:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 18:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 18:09	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:09	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 18:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 18:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 18:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 18:09	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 18:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 18:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-14SR

Date Collected: 05/13/20 11:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-3

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 18:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 18:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 18:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 18:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 18:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 18:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 18:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 18:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*05/22/20 18:09*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*05/22/20 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/22/20 18:09*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/22/20 18:09*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**270**		5.0	1.6	ug/L			05/22/20 18:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*05/22/20 18:33*	*10*
Dibromofluoromethane	*109*		*75 - 120*		*05/22/20 18:33*	*10*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*05/22/20 18:33*	*10*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/22/20 18:33*	*10*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-14IR
Date Collected: 05/13/20 11:50
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 18:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 18:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 18:57	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 18:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 18:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 18:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 18:57	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 18:57	1
Chloromethane	<0.32	*	1.0	0.32	ug/L			05/22/20 18:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 18:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 18:57	1
cis-1,2-Dichloroethene	**6.8**		1.0	0.41	ug/L			05/22/20 18:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 18:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 18:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 18:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 18:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 18:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 18:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 18:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 18:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 18:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 18:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 18:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 18:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 18:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 18:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 18:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 18:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:57	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 18:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 18:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 18:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 18:57	1
Tetrachloroethene	**0.95**	**J**	1.0	0.37	ug/L			05/22/20 18:57	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 18:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 18:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-14IR

Date Collected: 05/13/20 11:50
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-4

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 18:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 18:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 18:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 18:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 18:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 18:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 18:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 18:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 18:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*05/22/20 18:57*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*05/22/20 18:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/22/20 18:57*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*05/22/20 18:57*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**320**		5.0	1.6	ug/L			05/22/20 19:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/22/20 19:21*	*10*
Dibromofluoromethane	*113*		*75 - 120*		*05/22/20 19:21*	*10*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/22/20 19:21*	*10*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/22/20 19:21*	*10*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-16D
Date Collected: 05/13/20 13:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 19:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 19:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 19:45	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 19:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 19:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 19:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 19:45	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 19:45	1
Chloromethane	<0.32	F1 *	1.0	0.32	ug/L			05/22/20 19:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 19:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 19:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 19:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 19:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 19:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 19:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
Dibromomethane	<0.27	F1	1.0	0.27	ug/L			05/22/20 19:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 19:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1
Dichlorodifluoromethane	<0.67	F1	3.0	0.67	ug/L			05/22/20 19:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 19:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 19:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 19:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 19:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 19:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 19:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 19:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 19:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 19:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 19:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:45	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 19:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 19:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 19:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 19:45	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 19:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 19:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-16D
Date Collected: 05/13/20 13:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 19:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 19:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 19:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 19:45	1
Trichloroethene	**0.45**	**J**	0.50	0.16	ug/L			05/22/20 19:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 19:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 19:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 19:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 19:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/22/20 19:45*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*05/22/20 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*05/22/20 19:45*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/22/20 19:45*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-15D

Date Collected: 05/13/20 14:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-6

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/25/20 14:16	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/25/20 14:16	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/25/20 14:16	1
Bromoform	<0.48		1.0	0.48	ug/L			05/25/20 14:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/25/20 14:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/25/20 14:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/25/20 14:16	1
Chloroform	<0.37		2.0	0.37	ug/L			05/25/20 14:16	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/25/20 14:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/25/20 14:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/25/20 14:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/25/20 14:16	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/25/20 14:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/25/20 14:16	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/25/20 14:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/25/20 14:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/25/20 14:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/25/20 14:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/25/20 14:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
1,1-Dichloroethene	**1.9**		1.0	0.39	ug/L			05/25/20 14:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/25/20 14:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/25/20 14:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/25/20 14:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/25/20 14:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/25/20 14:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/25/20 14:16	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/25/20 14:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/25/20 14:16	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/25/20 14:16	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/25/20 14:16	1
Styrene	<0.39		1.0	0.39	ug/L			05/25/20 14:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/25/20 14:16	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/25/20 14:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/25/20 14:16	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/25/20 14:16	1
Toluene	<0.15		0.50	0.15	ug/L			05/25/20 14:16	1
trans-1,2-Dichloroethene	**5.1**		1.0	0.35	ug/L			05/25/20 14:16	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/25/20 14:16	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-15D

Date Collected: 05/13/20 14:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-6

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/25/20 14:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/25/20 14:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/25/20 14:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/25/20 14:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/25/20 14:16	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/25/20 14:16	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/25/20 14:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/25/20 14:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/25/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/25/20 14:16*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/25/20 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/25/20 14:16*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/25/20 14:16*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**730**		10	4.1	ug/L			05/22/20 18:59	10
Trichloroethene	**160**		5.0	1.6	ug/L			05/22/20 18:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/22/20 18:59*	*10*
Dibromofluoromethane	*101*		*75 - 120*		*05/22/20 18:59*	*10*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/22/20 18:59*	*10*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/22/20 18:59*	*10*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-15D Dup
Date Collected: 05/13/20 14:35
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 19:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 19:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 19:27	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 19:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 19:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 19:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 19:27	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 19:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/22/20 19:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 19:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 19:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 19:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 19:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 19:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 19:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 19:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 19:27	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.41	ug/L			05/22/20 19:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
1,1-Dichloroethene	**2.0**		1.0	0.39	ug/L			05/22/20 19:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 19:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 19:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 19:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 19:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 19:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 19:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 19:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 19:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 19:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:27	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 19:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 19:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 19:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 19:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 19:27	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 19:27	1
trans-1,2-Dichloroethene	**3.0**		1.0	0.35	ug/L			05/22/20 19:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 19:27	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-15D Dup

Date Collected: 05/13/20 14:35
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-7

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 19:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 19:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 19:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 19:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 19:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 19:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 19:27	1
Vinyl chloride	**0.23**	**J**	1.0	0.20	ug/L			05/22/20 19:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/22/20 19:27*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/22/20 19:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/22/20 19:27*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*05/22/20 19:27*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**750**		10	4.1	ug/L			05/25/20 16:31	10
Trichloroethene	**170**		5.0	1.6	ug/L			05/25/20 16:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/25/20 16:31*	*10*
Dibromofluoromethane	*98*		*75 - 120*		*05/25/20 16:31*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/25/20 16:31*	*10*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/25/20 16:31*	*10*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-17D

Date Collected: 05/13/20 16:00
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.29		1.0	0.29	ug/L			05/22/20 13:44	2
Bromobenzene	<0.71		2.0	0.71	ug/L			05/22/20 13:44	2
Bromochloromethane	<0.86		2.0	0.86	ug/L			05/22/20 13:44	2
Bromodichloromethane	<0.74		2.0	0.74	ug/L			05/22/20 13:44	2
Bromoform	<0.97		2.0	0.97	ug/L			05/22/20 13:44	2
Bromomethane	<1.6		6.0	1.6	ug/L			05/22/20 13:44	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			05/22/20 13:44	2
Chlorobenzene	<0.77		2.0	0.77	ug/L			05/22/20 13:44	2
Chloroethane	<1.0		2.0	1.0	ug/L			05/22/20 13:44	2
Chloroform	<0.74		4.0	0.74	ug/L			05/22/20 13:44	2
Chloromethane	<0.64		2.0	0.64	ug/L			05/22/20 13:44	2
2-Chlorotoluene	<0.63		2.0	0.63	ug/L			05/22/20 13:44	2
4-Chlorotoluene	<0.70		2.0	0.70	ug/L			05/22/20 13:44	2
cis-1,3-Dichloropropene	<0.83		2.0	0.83	ug/L			05/22/20 13:44	2
Dibromochloromethane	<0.98		2.0	0.98	ug/L			05/22/20 13:44	2
1,2-Dibromo-3-Chloropropane	<4.0		10	4.0	ug/L			05/22/20 13:44	2
1,2-Dibromoethane	<0.77		2.0	0.77	ug/L			05/22/20 13:44	2
Dibromomethane	<0.54		2.0	0.54	ug/L			05/22/20 13:44	2
1,2-Dichlorobenzene	<0.67		2.0	0.67	ug/L			05/22/20 13:44	2
1,3-Dichlorobenzene	<0.80		2.0	0.80	ug/L			05/22/20 13:44	2
1,4-Dichlorobenzene	<0.73		2.0	0.73	ug/L			05/22/20 13:44	2
Dichlorodifluoromethane	<1.3		6.0	1.3	ug/L			05/22/20 13:44	2
1,1-Dichloroethane	**16**		2.0	0.82	ug/L			05/22/20 13:44	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			05/22/20 13:44	2
1,1-Dichloroethene	**93**		2.0	0.78	ug/L			05/22/20 13:44	2
1,2-Dichloropropane	<0.86		2.0	0.86	ug/L			05/22/20 13:44	2
1,3-Dichloropropane	<0.72		2.0	0.72	ug/L			05/22/20 13:44	2
2,2-Dichloropropane	<0.89		2.0	0.89	ug/L			05/22/20 13:44	2
1,1-Dichloropropene	<0.59		2.0	0.59	ug/L			05/22/20 13:44	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			05/22/20 13:44	2
Hexachlorobutadiene	<0.89		2.0	0.89	ug/L			05/22/20 13:44	2
Isopropylbenzene	<0.77		2.0	0.77	ug/L			05/22/20 13:44	2
Isopropyl ether	<0.55		2.0	0.55	ug/L			05/22/20 13:44	2
Methylene Chloride	<3.3		10	3.3	ug/L			05/22/20 13:44	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			05/22/20 13:44	2
Naphthalene	<0.67		2.0	0.67	ug/L			05/22/20 13:44	2
n-Butylbenzene	<0.78		2.0	0.78	ug/L			05/22/20 13:44	2
N-Propylbenzene	<0.83		2.0	0.83	ug/L			05/22/20 13:44	2
p-Isopropyltoluene	<0.72		2.0	0.72	ug/L			05/22/20 13:44	2
sec-Butylbenzene	<0.80		2.0	0.80	ug/L			05/22/20 13:44	2
Styrene	<0.77		2.0	0.77	ug/L			05/22/20 13:44	2
tert-Butylbenzene	<0.80		2.0	0.80	ug/L			05/22/20 13:44	2
1,1,1,2-Tetrachloroethane	<0.92		2.0	0.92	ug/L			05/22/20 13:44	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			05/22/20 13:44	2
Tetrachloroethene	<0.74		2.0	0.74	ug/L			05/22/20 13:44	2
Toluene	<0.30		1.0	0.30	ug/L			05/22/20 13:44	2
trans-1,2-Dichloroethene	**3.8**		2.0	0.70	ug/L			05/22/20 13:44	2
trans-1,3-Dichloropropene	<0.72		2.0	0.72	ug/L			05/22/20 13:44	2
1,2,3-Trichlorobenzene	<0.92		2.0	0.92	ug/L			05/22/20 13:44	2

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-17D

Date Collected: 05/13/20 16:00
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-8

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.68		2.0	0.68	ug/L			05/22/20 13:44	2
1,1,1-Trichloroethane	**120**		2.0	0.76	ug/L			05/22/20 13:44	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			05/22/20 13:44	2
Trichlorofluoromethane	<0.85		2.0	0.85	ug/L			05/22/20 13:44	2
1,2,3-Trichloropropane	<0.83		4.0	0.83	ug/L			05/22/20 13:44	2
1,2,4-Trimethylbenzene	<0.72		2.0	0.72	ug/L			05/22/20 13:44	2
1,3,5-Trimethylbenzene	<0.51		2.0	0.51	ug/L			05/22/20 13:44	2
Vinyl chloride	<0.41		2.0	0.41	ug/L			05/22/20 13:44	2
Xylenes, Total	<0.44		2.0	0.44	ug/L			05/22/20 13:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*05/22/20 13:44*	*2*
Dibromofluoromethane	*97*		*75 - 120*		*05/22/20 13:44*	*2*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/22/20 13:44*	*2*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/22/20 13:44*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**510**		20	8.2	ug/L			05/22/20 14:10	20
Trichloroethene	**880**		10	3.3	ug/L			05/22/20 14:10	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*05/22/20 14:10*	*20*
Dibromofluoromethane	*95*		*75 - 120*		*05/22/20 14:10*	*20*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/22/20 14:10*	*20*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/22/20 14:10*	*20*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: Trip Blank

Date Collected: 05/13/20 00:00
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 13:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 13:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 13:17	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 13:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 13:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 13:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 13:17	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 13:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/22/20 13:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 13:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 13:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 13:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 13:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 13:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 13:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 13:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 13:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 13:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 13:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 13:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 13:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 13:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 13:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 13:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 13:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 13:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 13:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 13:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 13:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 13:17	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 13:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 13:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 13:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 13:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 13:17	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 13:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 13:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: Trip Blank

Date Collected: 05/13/20 00:00
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 13:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 13:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 13:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 13:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/22/20 13:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 13:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 13:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 13:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 13:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 13:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*05/22/20 13:17*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/22/20 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/22/20 13:17*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/22/20 13:17*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-182208-1
Project/Site: Pentair Deerfield - 117-7469005.01

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

GC/MS VOA

Analysis Batch: 543961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-182208-1	MW-10S	Total/NA	Ground Water	8260B	
500-182208-2	MW-10I	Total/NA	Ground Water	8260B	
500-182208-3	MW-14SR	Total/NA	Ground Water	8260B	
500-182208-3 - DL	MW-14SR	Total/NA	Ground Water	8260B	
500-182208-4	MW-14IR	Total/NA	Ground Water	8260B	
500-182208-4 - DL	MW-14IR	Total/NA	Ground Water	8260B	
500-182208-5	MW-16D	Total/NA	Ground Water	8260B	
MB 500-543961/6	Method Blank	Total/NA	Water	8260B	
LCS 500-543961/4	Lab Control Sample	Total/NA	Water	8260B	
500-182208-5 MS	MW-16D	Total/NA	Ground Water	8260B	
500-182208-5 MSD	MW-16D	Total/NA	Ground Water	8260B	

Analysis Batch: 543967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-182208-6 - DL	MW-15D	Total/NA	Ground Water	8260B	
500-182208-7	MW-15D Dup	Total/NA	Ground Water	8260B	
MB 500-543967/6	Method Blank	Total/NA	Water	8260B	
LCS 500-543967/4	Lab Control Sample	Total/NA	Water	8260B	
500-182208-7 MS	MW-15D Dup	Total/NA	Ground Water	8260B	
500-182208-7 MSD	MW-15D Dup	Total/NA	Ground Water	8260B	

Analysis Batch: 543970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-182208-8	MW-17D	Total/NA	Ground Water	8260B	
500-182208-8 - DL	MW-17D	Total/NA	Ground Water	8260B	
500-182208-9	Trip Blank	Total/NA	Water	8260B	
MB 500-543970/7	Method Blank	Total/NA	Water	8260B	
LCS 500-543970/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 544189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-182208-6	MW-15D	Total/NA	Ground Water	8260B	
500-182208-7 - DL	MW-15D Dup	Total/NA	Ground Water	8260B	
MB 500-544189/7	Method Blank	Total/NA	Water	8260B	
LCS 500-544189/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-182208-1	MW-10S	90	106	105	102
500-182208-2	MW-10I	90	111	112	99
500-182208-3	MW-14SR	87	107	106	100
500-182208-3 - DL	MW-14SR	90	109	109	102
500-182208-4	MW-14IR	89	109	111	101
500-182208-4 - DL	MW-14IR	91	113	110	100
500-182208-5	MW-16D	91	112	109	98
500-182208-5 MS	MW-16D	93	110	107	101
500-182208-5 MSD	MW-16D	91	110	113	102
500-182208-6 - DL	MW-15D	104	101	94	93
500-182208-6	MW-15D	99	97	104	99
500-182208-7	MW-15D Dup	104	103	98	92
500-182208-7 - DL	MW-15D Dup	101	98	104	99
500-182208-7 MS	MW-15D Dup	90	97	90	93
500-182208-7 MSD	MW-15D Dup	93	95	90	94
500-182208-8	MW-17D	82	97	91	94
500-182208-8 - DL	MW-17D	85	95	91	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-182208-9	Trip Blank	85	96	92	95
LCS 500-543961/4	Lab Control Sample	91	104	103	104
LCS 500-543967/4	Lab Control Sample	95	94	88	93
LCS 500-543970/5	Lab Control Sample	84	98	91	96
LCS 500-544189/5	Lab Control Sample	97	97	100	99
MB 500-543961/6	Method Blank	88	102	106	102
MB 500-543967/6	Method Blank	104	100	98	93
MB 500-543970/7	Method Blank	84	99	94	94
MB 500-544189/7	Method Blank	100	96	103	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-543961/6
Matrix: Water
Analysis Batch: 543961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 10:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 10:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 10:10	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 10:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 10:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 10:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 10:10	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 10:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/22/20 10:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 10:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 10:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 10:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 10:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 10:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 10:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 10:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 10:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 10:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 10:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 10:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 10:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 10:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 10:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 10:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 10:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 10:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
Naphthalene	0.361	J	1.0	0.34	ug/L			05/22/20 10:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 10:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:10	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 10:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 10:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 10:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 10:10	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 10:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 10:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-543961/6
Matrix: Water
Analysis Batch: 543961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 10:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 10:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 10:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 10:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/22/20 10:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 10:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 10:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 10:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 10:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 10:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*05/22/20 10:10*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/22/20 10:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/22/20 10:10*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/22/20 10:10*	*1*

Lab Sample ID: LCS 500-543961/4
Matrix: Water
Analysis Batch: 543961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.3		ug/L		101	70 - 120
Bromobenzene	50.0	45.7		ug/L		91	70 - 122
Bromochloromethane	50.0	50.0		ug/L		100	65 - 122
Bromodichloromethane	50.0	47.4		ug/L		95	69 - 120
Bromoform	50.0	50.1		ug/L		100	56 - 132
Bromomethane	50.0	72.5		ug/L		145	40 - 152
Carbon tetrachloride	50.0	47.3		ug/L		95	59 - 133
Chlorobenzene	50.0	50.3		ug/L		101	70 - 120
Chloroethane	50.0	49.7		ug/L		99	48 - 136
Chloroform	50.0	48.7		ug/L		97	70 - 120
Chloromethane	50.0	27.2	*	ug/L		54	56 - 152
2-Chlorotoluene	50.0	46.2		ug/L		92	70 - 125
4-Chlorotoluene	50.0	45.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 125
cis-1,3-Dichloropropene	50.0	48.0		ug/L		96	64 - 127
Dibromochloromethane	50.0	48.4		ug/L		97	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.5		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	51.6		ug/L		103	70 - 125
Dibromomethane	50.0	52.8		ug/L		106	70 - 120
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 125
1,3-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 125
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 120
Dichlorodifluoromethane	50.0	27.0		ug/L		54	40 - 159
1,1-Dichloroethane	50.0	47.2		ug/L		94	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-543961/4
Matrix: Water
Analysis Batch: 543961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	49.9		ug/L		100	68 - 127
1,1-Dichloroethene	50.0	52.3		ug/L		105	67 - 122
1,2-Dichloropropane	50.0	45.0		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	45.8		ug/L		92	58 - 139
1,1-Dichloropropene	50.0	49.5		ug/L		99	70 - 121
Ethylbenzene	50.0	51.8		ug/L		104	70 - 123
Hexachlorobutadiene	50.0	48.4		ug/L		97	51 - 150
Isopropylbenzene	50.0	46.4		ug/L		93	70 - 126
Methylene Chloride	50.0	50.8		ug/L		102	69 - 125
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	47.1		ug/L		94	53 - 144
n-Butylbenzene	50.0	49.3		ug/L		99	68 - 125
N-Propylbenzene	50.0	47.5		ug/L		95	69 - 127
p-Isopropyltoluene	50.0	46.4		ug/L		93	70 - 125
sec-Butylbenzene	50.0	48.0		ug/L		96	70 - 123
Styrene	50.0	50.0		ug/L		100	70 - 120
tert-Butylbenzene	50.0	45.8		ug/L		92	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	62 - 140
Tetrachloroethene	50.0	52.8		ug/L		106	70 - 128
Toluene	50.0	50.5		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 125
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	62 - 128
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	51 - 145
1,2,4-Trichlorobenzene	50.0	48.7		ug/L		97	57 - 137
1,1,1-Trichloroethane	50.0	49.8		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	71 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	50 - 133
1,2,4-Trimethylbenzene	50.0	46.5		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
Vinyl chloride	50.0	38.1		ug/L		76	64 - 126
Xylenes, Total	100	101		ug/L		101	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*104*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: 500-182208-5 MS
Matrix: Ground Water
Analysis Batch: 543961

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	54.6		ug/L		109	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-5 MS
Matrix: Ground Water
Analysis Batch: 543961

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	<0.36		50.0	51.4		ug/L		103	70 - 122
Bromochloromethane	<0.43		50.0	55.4		ug/L		111	65 - 122
Bromodichloromethane	<0.37		50.0	55.6		ug/L		111	69 - 120
Bromoform	<0.48		50.0	57.2		ug/L		114	56 - 132
Bromomethane	<0.80		50.0	62.6		ug/L		125	40 - 152
Carbon tetrachloride	<0.38		50.0	50.8		ug/L		102	59 - 133
Chlorobenzene	<0.39		50.0	54.3		ug/L		109	70 - 120
Chloroethane	<0.51		50.0	46.2		ug/L		92	48 - 136
Chloroform	<0.37		50.0	54.5		ug/L		109	70 - 120
Chloromethane	<0.32	F1 *	50.0	27.0	F1	ug/L		54	56 - 152
2-Chlorotoluene	<0.31		50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	<0.35		50.0	49.8		ug/L		100	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	56.5		ug/L		113	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	51.0		ug/L		102	64 - 127
Dibromochloromethane	<0.49		50.0	56.0		ug/L		112	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	50.8		ug/L		102	56 - 123
1,2-Dibromoethane	<0.39		50.0	57.1		ug/L		114	70 - 125
Dibromomethane	<0.27	F1	50.0	59.7		ug/L		119	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	54.9		ug/L		110	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	51.6		ug/L		103	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	51.2		ug/L		102	70 - 120
Dichlorodifluoromethane	<0.67	F1	50.0	16.7	F1	ug/L		33	40 - 159
1,1-Dichloroethane	<0.41		50.0	51.1		ug/L		102	70 - 125
1,2-Dichloroethane	<0.39		50.0	56.6		ug/L		113	68 - 127
1,1-Dichloroethene	<0.39		50.0	53.1		ug/L		106	67 - 122
1,2-Dichloropropane	<0.43		50.0	50.2		ug/L		100	67 - 130
1,3-Dichloropropane	<0.36		50.0	54.1		ug/L		108	62 - 136
2,2-Dichloropropane	<0.44		50.0	45.5		ug/L		91	58 - 139
1,1-Dichloropropene	<0.30		50.0	50.1		ug/L		100	70 - 121
Ethylbenzene	<0.18		50.0	52.7		ug/L		105	70 - 123
Hexachlorobutadiene	<0.45		50.0	51.6		ug/L		103	51 - 150
Isopropylbenzene	<0.39		50.0	49.3		ug/L		99	70 - 126
Methylene Chloride	<1.6		50.0	57.9		ug/L		116	69 - 125
Methyl tert-butyl ether	<0.39		50.0	54.9		ug/L		110	55 - 123
Naphthalene	<0.34		50.0	51.6		ug/L		103	53 - 144
n-Butylbenzene	<0.39		50.0	49.6		ug/L		99	68 - 125
N-Propylbenzene	<0.41		50.0	49.6		ug/L		99	69 - 127
p-Isopropyltoluene	<0.36		50.0	48.1		ug/L		96	70 - 125
sec-Butylbenzene	<0.40		50.0	49.8		ug/L		100	70 - 123
Styrene	<0.39		50.0	53.2		ug/L		106	70 - 120
tert-Butylbenzene	<0.40		50.0	48.6		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.8		ug/L		110	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	54.4		ug/L		109	62 - 140
Tetrachloroethene	<0.37		50.0	53.8		ug/L		108	70 - 128
Toluene	<0.15		50.0	53.4		ug/L		107	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	55.3		ug/L		111	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	49.6		ug/L		99	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	53.4		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	49.9		ug/L		100	57 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-5 MS
Matrix: Ground Water
Analysis Batch: 543961

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	52.3		ug/L		105	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	55.7		ug/L		111	71 - 130
Trichloroethene	0.45	J	50.0	52.6		ug/L		104	70 - 125
Trichlorofluoromethane	<0.43		50.0	47.8		ug/L		96	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	51.5		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	50.0		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	49.8		ug/L		100	70 - 123
Vinyl chloride	<0.20		50.0	35.9		ug/L		72	64 - 126
Xylenes, Total	<0.22		100	106		ug/L		106	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: 500-182208-5 MSD
Matrix: Ground Water
Analysis Batch: 543961

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	55.0		ug/L		110	70 - 120	1	20
Bromobenzene	<0.36		50.0	51.2		ug/L		102	70 - 122	0	20
Bromochloromethane	<0.43		50.0	56.5		ug/L		113	65 - 122	2	20
Bromodichloromethane	<0.37		50.0	56.6		ug/L		113	69 - 120	2	20
Bromoform	<0.48		50.0	61.4		ug/L		123	56 - 132	7	20
Bromomethane	<0.80		50.0	64.3		ug/L		129	40 - 152	3	20
Carbon tetrachloride	<0.38		50.0	50.3		ug/L		101	59 - 133	1	20
Chlorobenzene	<0.39		50.0	53.9		ug/L		108	70 - 120	1	20
Chloroethane	<0.51		50.0	49.6		ug/L		99	48 - 136	7	20
Chloroform	<0.37		50.0	54.7		ug/L		109	70 - 120	0	20
Chloromethane	<0.32	F1 *	50.0	26.4	F1	ug/L		53	56 - 152	2	20
2-Chlorotoluene	<0.31		50.0	48.8		ug/L		98	70 - 125	3	20
4-Chlorotoluene	<0.35		50.0	48.8		ug/L		98	68 - 124	2	20
cis-1,2-Dichloroethene	<0.41		50.0	56.4		ug/L		113	70 - 125	0	20
cis-1,3-Dichloropropene	<0.42		50.0	52.9		ug/L		106	64 - 127	4	20
Dibromochloromethane	<0.49		50.0	56.1		ug/L		112	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	50.7		ug/L		101	56 - 123	0	20
1,2-Dibromoethane	<0.39		50.0	56.2		ug/L		112	70 - 125	2	20
Dibromomethane	<0.27	F1	50.0	60.9	F1	ug/L		122	70 - 120	2	20
1,2-Dichlorobenzene	<0.33		50.0	53.7		ug/L		107	70 - 125	2	20
1,3-Dichlorobenzene	<0.40		50.0	50.7		ug/L		101	70 - 125	2	20
1,4-Dichlorobenzene	<0.36		50.0	50.0		ug/L		100	70 - 120	2	20
Dichlorodifluoromethane	<0.67	F1	50.0	18.1	F1	ug/L		36	40 - 159	8	20
1,1-Dichloroethane	<0.41		50.0	50.9		ug/L		102	70 - 125	0	20
1,2-Dichloroethane	<0.39		50.0	57.5		ug/L		115	68 - 127	2	20
1,1-Dichloroethene	<0.39		50.0	52.3		ug/L		105	67 - 122	1	20
1,2-Dichloropropane	<0.43		50.0	51.9		ug/L		104	67 - 130	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-5 MSD
Matrix: Ground Water
Analysis Batch: 543961

Client Sample ID: MW-16D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichloropropane	<0.36		50.0	55.0		ug/L		110	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	45.6		ug/L		91	58 - 139	0	20
1,1-Dichloropropene	<0.30		50.0	49.4		ug/L		99	70 - 121	1	20
Ethylbenzene	<0.18		50.0	52.2		ug/L		104	70 - 123	1	20
Hexachlorobutadiene	<0.45		50.0	49.2		ug/L		98	51 - 150	5	20
Isopropylbenzene	<0.39		50.0	47.9		ug/L		96	70 - 126	3	20
Methylene Chloride	<1.6		50.0	57.6		ug/L		115	69 - 125	0	20
Methyl tert-butyl ether	<0.39		50.0	57.1		ug/L		114	55 - 123	4	20
Naphthalene	<0.34		50.0	54.2		ug/L		108	53 - 144	5	20
n-Butylbenzene	<0.39		50.0	47.2		ug/L		94	68 - 125	5	20
N-Propylbenzene	<0.41		50.0	48.3		ug/L		97	69 - 127	3	20
p-Isopropyltoluene	<0.36		50.0	46.0		ug/L		92	70 - 125	5	20
sec-Butylbenzene	<0.40		50.0	48.2		ug/L		96	70 - 123	3	20
Styrene	<0.39		50.0	53.9		ug/L		108	70 - 120	1	20
tert-Butylbenzene	<0.40		50.0	47.2		ug/L		94	70 - 121	3	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	57.0		ug/L		114	70 - 125	4	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	54.7		ug/L		109	62 - 140	1	20
Tetrachloroethene	<0.37		50.0	52.9		ug/L		106	70 - 128	2	20
Toluene	<0.15		50.0	53.1		ug/L		106	70 - 125	1	20
trans-1,2-Dichloroethene	<0.35		50.0	54.0		ug/L		108	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	51.9		ug/L		104	62 - 128	5	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.6		ug/L		107	51 - 145	0	20
1,2,4-Trichlorobenzene	<0.34		50.0	49.0		ug/L		98	57 - 137	2	20
1,1,1-Trichloroethane	<0.38		50.0	51.1		ug/L		102	70 - 125	2	20
1,1,2-Trichloroethane	<0.35		50.0	55.8		ug/L		112	71 - 130	0	20
Trichloroethene	0.45	J	50.0	52.2		ug/L		104	70 - 125	1	20
Trichlorofluoromethane	<0.43		50.0	47.3		ug/L		95	55 - 128	1	20
1,2,3-Trichloropropane	<0.41		50.0	53.2		ug/L		106	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	48.6		ug/L		97	70 - 123	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	48.2		ug/L		96	70 - 123	3	20
Vinyl chloride	<0.20		50.0	37.7		ug/L		75	64 - 126	5	20
Xylenes, Total	<0.22		100	107		ug/L		107	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-543967/6
Matrix: Water
Analysis Batch: 543967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 10:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 10:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 10:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-543967/6
Matrix: Water
Analysis Batch: 543967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 10:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 10:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 10:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 10:28	1
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 10:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/22/20 10:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 10:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 10:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 10:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 10:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 10:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 10:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 10:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 10:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 10:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 10:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 10:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 10:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 10:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 10:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 10:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 10:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 10:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 10:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 10:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:28	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 10:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 10:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 10:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 10:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 10:28	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 10:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 10:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 10:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 10:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 10:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 10:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-543967/6
Matrix: Water
Analysis Batch: 543967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.16		0.50	0.16	ug/L			05/22/20 10:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 10:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 10:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 10:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 10:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 10:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/22/20 10:28*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/22/20 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/22/20 10:28*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/22/20 10:28*	*1*

Lab Sample ID: LCS 500-543967/4
Matrix: Water
Analysis Batch: 543967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.8		ug/L		98	70 - 120
Bromobenzene	50.0	50.3		ug/L		101	70 - 122
Bromochloromethane	50.0	46.8		ug/L		94	65 - 122
Bromodichloromethane	50.0	46.9		ug/L		94	69 - 120
Bromoform	50.0	41.9		ug/L		84	56 - 132
Bromomethane	50.0	39.0		ug/L		78	40 - 152
Carbon tetrachloride	50.0	48.1		ug/L		96	59 - 133
Chlorobenzene	50.0	47.9		ug/L		96	70 - 120
Chloroethane	50.0	35.6		ug/L		71	48 - 136
Chloroform	50.0	45.6		ug/L		91	70 - 120
Chloromethane	50.0	58.5		ug/L		117	56 - 152
2-Chlorotoluene	50.0	49.8		ug/L		100	70 - 125
4-Chlorotoluene	50.0	50.6		ug/L		101	68 - 124
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	64 - 127
Dibromochloromethane	50.0	48.0		ug/L		96	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	45.3		ug/L		91	70 - 125
Dibromomethane	50.0	45.2		ug/L		90	70 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 125
1,3-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 125
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 120
Dichlorodifluoromethane	50.0	55.0		ug/L		110	40 - 159
1,1-Dichloroethane	50.0	46.0		ug/L		92	70 - 125
1,2-Dichloroethane	50.0	43.6		ug/L		87	68 - 127
1,1-Dichloroethene	50.0	44.8		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	49.8		ug/L		100	67 - 130
1,3-Dichloropropane	50.0	48.6		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	42.2		ug/L		84	58 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-543967/4
Matrix: Water
Analysis Batch: 543967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	50.7		ug/L		101	70 - 121
Ethylbenzene	50.0	49.9		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	57.8		ug/L		116	51 - 150
Isopropylbenzene	50.0	53.4		ug/L		107	70 - 126
Methylene Chloride	50.0	44.4		ug/L		89	69 - 125
Methyl tert-butyl ether	50.0	43.6		ug/L		87	55 - 123
Naphthalene	50.0	47.7		ug/L		95	53 - 144
n-Butylbenzene	50.0	56.3		ug/L		113	68 - 125
N-Propylbenzene	50.0	54.5		ug/L		109	69 - 127
p-Isopropyltoluene	50.0	52.4		ug/L		105	70 - 125
sec-Butylbenzene	50.0	53.4		ug/L		107	70 - 123
Styrene	50.0	42.8		ug/L		86	70 - 120
tert-Butylbenzene	50.0	52.0		ug/L		104	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.4		ug/L		97	62 - 140
Tetrachloroethene	50.0	49.6		ug/L		99	70 - 128
Toluene	50.0	50.4		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	42.1		ug/L		84	62 - 128
1,2,3-Trichlorobenzene	50.0	51.9		ug/L		104	51 - 145
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	57 - 137
1,1,1-Trichloroethane	50.0	46.0		ug/L		92	70 - 125
1,1,2-Trichloroethane	50.0	45.9		ug/L		92	71 - 130
Trichloroethene	50.0	48.6		ug/L		97	70 - 125
Trichlorofluoromethane	50.0	38.0		ug/L		76	55 - 128
1,2,3-Trichloropropane	50.0	48.1		ug/L		96	50 - 133
1,2,4-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 123
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
Vinyl chloride	50.0	58.3		ug/L		117	64 - 126
Xylenes, Total	100	100		ug/L		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: 500-182208-7 MS
Matrix: Ground Water
Analysis Batch: 543967

Client Sample ID: MW-15D Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	52.2		ug/L		104	70 - 120
Bromobenzene	<0.36		50.0	52.3		ug/L		105	70 - 122
Bromochloromethane	<0.43		50.0	50.9		ug/L		102	65 - 122
Bromodichloromethane	<0.37		50.0	50.8		ug/L		102	69 - 120
Bromoform	<0.48		50.0	45.7		ug/L		91	56 - 132
Bromomethane	<0.80		50.0	38.1		ug/L		76	40 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-7 MS
Matrix: Ground Water
Analysis Batch: 543967

Client Sample ID: MW-15D Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	<0.38		50.0	51.1		ug/L		102	59 - 133
Chlorobenzene	<0.39		50.0	50.9		ug/L		102	70 - 120
Chloroethane	<0.51		50.0	39.9		ug/L		80	48 - 136
Chloroform	<0.37		50.0	49.6		ug/L		99	70 - 120
Chloromethane	<0.32		50.0	57.9		ug/L		116	56 - 152
2-Chlorotoluene	<0.31		50.0	50.9		ug/L		102	70 - 125
4-Chlorotoluene	<0.35		50.0	52.1		ug/L		104	68 - 124
cis-1,2-Dichloroethene	1200	E	50.0	1140	E 4	ug/L		-103	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	51.7		ug/L		103	64 - 127
Dibromochloromethane	<0.49		50.0	51.9		ug/L		104	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	45.7		ug/L		91	56 - 123
1,2-Dibromoethane	<0.39		50.0	48.8		ug/L		98	70 - 125
Dibromomethane	<0.27		50.0	49.0		ug/L		98	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	53.0		ug/L		106	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	50.9		ug/L		102	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	51.4		ug/L		103	70 - 120
Dichlorodifluoromethane	<0.67		50.0	53.4		ug/L		107	40 - 159
1,1-Dichloroethane	0.51	J	50.0	49.8		ug/L		99	70 - 125
1,2-Dichloroethane	<0.39		50.0	47.3		ug/L		95	68 - 127
1,1-Dichloroethene	2.0		50.0	48.6		ug/L		93	67 - 122
1,2-Dichloropropane	<0.43		50.0	54.3		ug/L		109	67 - 130
1,3-Dichloropropane	<0.36		50.0	52.1		ug/L		104	62 - 136
2,2-Dichloropropane	<0.44		50.0	54.3		ug/L		109	58 - 139
1,1-Dichloropropene	<0.30		50.0	53.8		ug/L		108	70 - 121
Ethylbenzene	<0.18		50.0	52.1		ug/L		104	70 - 123
Hexachlorobutadiene	<0.45		50.0	57.5		ug/L		115	51 - 150
Isopropylbenzene	<0.39		50.0	54.0		ug/L		108	70 - 126
Methylene Chloride	<1.6		50.0	47.3		ug/L		95	69 - 125
Methyl tert-butyl ether	<0.39		50.0	46.8		ug/L		94	55 - 123
Naphthalene	<0.34		50.0	48.6		ug/L		97	53 - 144
n-Butylbenzene	<0.39		50.0	55.2		ug/L		110	68 - 125
N-Propylbenzene	<0.41		50.0	54.9		ug/L		110	69 - 127
p-Isopropyltoluene	<0.36		50.0	53.1		ug/L		106	70 - 125
sec-Butylbenzene	<0.40		50.0	54.5		ug/L		109	70 - 123
Styrene	<0.39		50.0	45.2		ug/L		90	70 - 120
tert-Butylbenzene	<0.40		50.0	53.3		ug/L		107	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.8		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	51.8		ug/L		104	62 - 140
Tetrachloroethene	<0.37		50.0	50.9		ug/L		102	70 - 128
Toluene	<0.15		50.0	53.1		ug/L		106	70 - 125
trans-1,2-Dichloroethene	3.0		50.0	53.2		ug/L		100	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	44.7		ug/L		89	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	51.1		ug/L		102	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	50.8		ug/L		102	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	48.8		ug/L		98	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	50.1		ug/L		100	71 - 130
Trichloroethene	210	E	50.0	260	E 4	ug/L		94	70 - 125
Trichlorofluoromethane	<0.43		50.0	42.3		ug/L		85	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	47.6		ug/L		95	50 - 133

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-7 MS
Matrix: Ground Water
Analysis Batch: 543967

Client Sample ID: MW-15D Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	<0.36		50.0	51.9		ug/L		104	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	53.5		ug/L		107	70 - 123
Vinyl chloride	0.23	J	50.0	62.2		ug/L		124	64 - 126
Xylenes, Total	<0.22		100	104		ug/L		104	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: 500-182208-7 MSD
Matrix: Ground Water
Analysis Batch: 543967

Client Sample ID: MW-15D Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	49.9		ug/L		100	70 - 120	4	20
Bromobenzene	<0.36		50.0	50.5		ug/L		101	70 - 122	3	20
Bromochloromethane	<0.43		50.0	47.3		ug/L		95	65 - 122	7	20
Bromodichloromethane	<0.37		50.0	48.3		ug/L		97	69 - 120	5	20
Bromoform	<0.48		50.0	43.1		ug/L		86	56 - 132	6	20
Bromomethane	<0.80		50.0	39.4		ug/L		79	40 - 152	3	20
Carbon tetrachloride	<0.38		50.0	48.5		ug/L		97	59 - 133	5	20
Chlorobenzene	<0.39		50.0	48.9		ug/L		98	70 - 120	4	20
Chloroethane	<0.51		50.0	38.7		ug/L		77	48 - 136	3	20
Chloroform	<0.37		50.0	47.4		ug/L		95	70 - 120	5	20
Chloromethane	<0.32		50.0	58.4		ug/L		117	56 - 152	1	20
2-Chlorotoluene	<0.31		50.0	49.1		ug/L		98	70 - 125	4	20
4-Chlorotoluene	<0.35		50.0	50.3		ug/L		101	68 - 124	3	20
cis-1,2-Dichloroethene	1200	E	50.0	1140	E 4	ug/L		-104	70 - 125	0	20
cis-1,3-Dichloropropene	<0.42		50.0	49.4		ug/L		99	64 - 127	5	20
Dibromochloromethane	<0.49		50.0	49.4		ug/L		99	68 - 125	5	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	44.4		ug/L		89	56 - 123	3	20
1,2-Dibromoethane	<0.39		50.0	46.3		ug/L		93	70 - 125	5	20
Dibromomethane	<0.27		50.0	45.6		ug/L		91	70 - 120	7	20
1,2-Dichlorobenzene	<0.33		50.0	51.7		ug/L		103	70 - 125	3	20
1,3-Dichlorobenzene	<0.40		50.0	49.8		ug/L		100	70 - 125	2	20
1,4-Dichlorobenzene	<0.36		50.0	49.8		ug/L		100	70 - 120	3	20
Dichlorodifluoromethane	<0.67		50.0	52.8		ug/L		106	40 - 159	1	20
1,1-Dichloroethane	0.51	J	50.0	47.9		ug/L		95	70 - 125	4	20
1,2-Dichloroethane	<0.39		50.0	45.5		ug/L		91	68 - 127	4	20
1,1-Dichloroethene	2.0		50.0	47.4		ug/L		91	67 - 122	3	20
1,2-Dichloropropane	<0.43		50.0	51.1		ug/L		102	67 - 130	6	20
1,3-Dichloropropane	<0.36		50.0	49.7		ug/L		99	62 - 136	5	20
2,2-Dichloropropane	<0.44		50.0	53.3		ug/L		107	58 - 139	2	20
1,1-Dichloropropene	<0.30		50.0	50.5		ug/L		101	70 - 121	6	20
Ethylbenzene	<0.18		50.0	49.9		ug/L		100	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	56.5		ug/L		113	51 - 150	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-182208-7 MSD
Matrix: Ground Water
Analysis Batch: 543967

Client Sample ID: MW-15D Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	<0.39		50.0	53.1		ug/L		106	70 - 126	2	20
Methylene Chloride	<1.6		50.0	45.6		ug/L		91	69 - 125	4	20
Methyl tert-butyl ether	<0.39		50.0	44.0		ug/L		88	55 - 123	6	20
Naphthalene	<0.34		50.0	48.9		ug/L		98	53 - 144	1	20
n-Butylbenzene	<0.39		50.0	54.1		ug/L		108	68 - 125	2	20
N-Propylbenzene	<0.41		50.0	53.5		ug/L		107	69 - 127	3	20
p-Isopropyltoluene	<0.36		50.0	52.1		ug/L		104	70 - 125	2	20
sec-Butylbenzene	<0.40		50.0	53.3		ug/L		107	70 - 123	2	20
Styrene	<0.39		50.0	43.8		ug/L		88	70 - 120	3	20
tert-Butylbenzene	<0.40		50.0	52.3		ug/L		105	70 - 121	2	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.1		ug/L		102	70 - 125	5	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	50.2		ug/L		100	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	48.9		ug/L		98	70 - 128	4	20
Toluene	<0.15		50.0	50.9		ug/L		102	70 - 125	4	20
trans-1,2-Dichloroethene	3.0		50.0	50.5		ug/L		95	70 - 125	5	20
trans-1,3-Dichloropropene	<0.36		50.0	43.0		ug/L		86	62 - 128	4	20
1,2,3-Trichlorobenzene	<0.46		50.0	52.4		ug/L		105	51 - 145	2	20
1,2,4-Trichlorobenzene	<0.34		50.0	50.7		ug/L		101	57 - 137	0	20
1,1,1-Trichloroethane	<0.38		50.0	46.7		ug/L		93	70 - 125	4	20
1,1,2-Trichloroethane	<0.35		50.0	48.2		ug/L		96	71 - 130	4	20
Trichloroethene	210	E	50.0	255	E 4	ug/L		85	70 - 125	2	20
Trichlorofluoromethane	<0.43		50.0	41.3		ug/L		83	55 - 128	3	20
1,2,3-Trichloropropane	<0.41		50.0	48.2		ug/L		96	50 - 133	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	51.0		ug/L		102	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	51.7		ug/L		103	70 - 123	3	20
Vinyl chloride	0.23	J	50.0	60.7		ug/L		121	64 - 126	2	20
Xylenes, Total	<0.22		100	99.5		ug/L		100	70 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-543970/7
Matrix: Water
Analysis Batch: 543970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/22/20 12:50	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/22/20 12:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/22/20 12:50	1
Bromoform	<0.48		1.0	0.48	ug/L			05/22/20 12:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/22/20 12:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/22/20 12:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/22/20 12:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-543970/7
Matrix: Water
Analysis Batch: 543970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.37		2.0	0.37	ug/L			05/22/20 12:50	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/22/20 12:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/22/20 12:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/22/20 12:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/22/20 12:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/22/20 12:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/22/20 12:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/22/20 12:50	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/22/20 12:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/22/20 12:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/22/20 12:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/22/20 12:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/22/20 12:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/22/20 12:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/22/20 12:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/22/20 12:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/22/20 12:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/22/20 12:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/22/20 12:50	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/22/20 12:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/22/20 12:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/22/20 12:50	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 12:50	1
Styrene	<0.39		1.0	0.39	ug/L			05/22/20 12:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/22/20 12:50	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/22/20 12:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/22/20 12:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/22/20 12:50	1
Toluene	<0.15		0.50	0.15	ug/L			05/22/20 12:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/22/20 12:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/22/20 12:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/22/20 12:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/22/20 12:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/22/20 12:50	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/22/20 12:50	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/22/20 12:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/22/20 12:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/22/20 12:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/22/20 12:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-543970/7
Matrix: Water
Analysis Batch: 543970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/22/20 12:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/22/20 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*05/22/20 12:50*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/22/20 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/22/20 12:50*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/22/20 12:50*	*1*

Lab Sample ID: LCS 500-543970/5
Matrix: Water
Analysis Batch: 543970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.3		ug/L		93	70 - 120
Bromobenzene	50.0	47.9		ug/L		96	70 - 122
Bromochloromethane	50.0	50.2		ug/L		100	65 - 122
Bromodichloromethane	50.0	44.9		ug/L		90	69 - 120
Bromoform	50.0	52.6		ug/L		105	56 - 132
Bromomethane	50.0	44.4		ug/L		89	40 - 152
Carbon tetrachloride	50.0	47.2		ug/L		94	59 - 133
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	35.0		ug/L		70	48 - 136
Chloroform	50.0	44.5		ug/L		89	70 - 120
Chloromethane	50.0	37.4		ug/L		75	56 - 152
2-Chlorotoluene	50.0	42.1		ug/L		84	70 - 125
4-Chlorotoluene	50.0	42.0		ug/L		84	68 - 124
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	45.2		ug/L		90	64 - 127
Dibromochloromethane	50.0	47.5		ug/L		95	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.3		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	50.3		ug/L		101	70 - 125
Dibromomethane	50.0	48.8		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,3-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 125
1,4-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	24.6		ug/L		49	40 - 159
1,1-Dichloroethane	50.0	50.0		ug/L		100	70 - 125
1,2-Dichloroethane	50.0	45.1		ug/L		90	68 - 127
1,1-Dichloroethene	50.0	50.3		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	53.1		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	48.4		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	42.4		ug/L		85	58 - 139
1,1-Dichloropropene	50.0	46.3		ug/L		93	70 - 121
Ethylbenzene	50.0	44.2		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	49.8		ug/L		100	51 - 150
Isopropylbenzene	50.0	43.8		ug/L		88	70 - 126
Methylene Chloride	50.0	46.9		ug/L		94	69 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-543970/5
Matrix: Water
Analysis Batch: 543970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	37.2		ug/L		74	55 - 123
Naphthalene	50.0	46.7		ug/L		93	53 - 144
n-Butylbenzene	50.0	42.9		ug/L		86	68 - 125
N-Propylbenzene	50.0	44.0		ug/L		88	69 - 127
p-Isopropyltoluene	50.0	45.0		ug/L		90	70 - 125
sec-Butylbenzene	50.0	44.5		ug/L		89	70 - 123
Styrene	50.0	45.8		ug/L		92	70 - 120
tert-Butylbenzene	50.0	45.4		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.2		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.5		ug/L		97	62 - 140
Tetrachloroethene	50.0	50.0		ug/L		100	70 - 128
Toluene	50.0	45.0		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	62 - 128
1,2,3-Trichlorobenzene	50.0	49.1		ug/L		98	51 - 145
1,2,4-Trichlorobenzene	50.0	46.4		ug/L		93	57 - 137
1,1,1-Trichloroethane	50.0	44.7		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	71 - 130
Trichloroethene	50.0	49.2		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	45.0		ug/L		90	55 - 128
1,2,3-Trichloropropane	50.0	53.4		ug/L		107	50 - 133
1,2,4-Trimethylbenzene	50.0	42.9		ug/L		86	70 - 123
1,3,5-Trimethylbenzene	50.0	43.2		ug/L		86	70 - 123
Vinyl chloride	50.0	44.7		ug/L		89	64 - 126
Xylenes, Total	100	84.3		ug/L		84	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: MB 500-544189/7
Matrix: Water
Analysis Batch: 544189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/25/20 11:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/25/20 11:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/25/20 11:09	1
Bromoform	<0.48		1.0	0.48	ug/L			05/25/20 11:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/25/20 11:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/25/20 11:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/25/20 11:09	1
Chloroform	<0.37		2.0	0.37	ug/L			05/25/20 11:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/25/20 11:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-544189/7
Matrix: Water
Analysis Batch: 544189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/25/20 11:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/25/20 11:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/25/20 11:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/25/20 11:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/25/20 11:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/25/20 11:09	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/25/20 11:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/25/20 11:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/25/20 11:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/25/20 11:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/25/20 11:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/25/20 11:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/25/20 11:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/25/20 11:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/25/20 11:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/25/20 11:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/25/20 11:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/25/20 11:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/25/20 11:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/25/20 11:09	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/25/20 11:09	1
Styrene	<0.39		1.0	0.39	ug/L			05/25/20 11:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/25/20 11:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/25/20 11:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/25/20 11:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/25/20 11:09	1
Toluene	<0.15		0.50	0.15	ug/L			05/25/20 11:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/25/20 11:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/25/20 11:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/25/20 11:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/25/20 11:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/25/20 11:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/25/20 11:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/25/20 11:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/25/20 11:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/25/20 11:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/25/20 11:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/25/20 11:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/25/20 11:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124		05/25/20 11:09	1
Dibromofluoromethane	96		75 - 120		05/25/20 11:09	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		05/25/20 11:09	1
Toluene-d8 (Surr)	100		75 - 120		05/25/20 11:09	1

Lab Sample ID: LCS 500-544189/5
Matrix: Water
Analysis Batch: 544189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.6		ug/L		97	70 - 120
Bromobenzene	50.0	51.1		ug/L		102	70 - 122
Bromochloromethane	50.0	51.0		ug/L		102	65 - 122
Bromodichloromethane	50.0	51.4		ug/L		103	69 - 120
Bromoform	50.0	52.2		ug/L		104	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	51.2		ug/L		102	59 - 133
Chlorobenzene	50.0	48.5		ug/L		97	70 - 120
Chloroethane	50.0	51.5		ug/L		103	48 - 136
Chloroform	50.0	47.2		ug/L		94	70 - 120
Chloromethane	50.0	54.0		ug/L		108	56 - 152
2-Chlorotoluene	50.0	48.0		ug/L		96	70 - 125
4-Chlorotoluene	50.0	48.2		ug/L		96	68 - 124
cis-1,2-Dichloroethene	50.0	49.1		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	50.2		ug/L		100	64 - 127
Dibromochloromethane	50.0	51.3		ug/L		103	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.2		ug/L		94	56 - 123
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 125
Dibromomethane	50.0	50.6		ug/L		101	70 - 120
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	70 - 125
1,3-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 125
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 120
Dichlorodifluoromethane	50.0	52.7		ug/L		105	40 - 159
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	49.4		ug/L		99	68 - 127
1,1-Dichloroethene	50.0	48.6		ug/L		97	67 - 122
1,2-Dichloropropane	50.0	49.7		ug/L		99	67 - 130
1,3-Dichloropropane	50.0	49.7		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	52.7		ug/L		105	58 - 139
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 121
Ethylbenzene	50.0	49.7		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	46.3		ug/L		93	51 - 150
Isopropylbenzene	50.0	49.8		ug/L		100	70 - 126
Methylene Chloride	50.0	49.0		ug/L		98	69 - 125
Methyl tert-butyl ether	50.0	46.9		ug/L		94	55 - 123
Naphthalene	50.0	51.0		ug/L		102	53 - 144
n-Butylbenzene	50.0	47.4		ug/L		95	68 - 125
N-Propylbenzene	50.0	48.6		ug/L		97	69 - 127
p-Isopropyltoluene	50.0	49.0		ug/L		98	70 - 125
sec-Butylbenzene	50.0	47.8		ug/L		96	70 - 123
Styrene	50.0	49.6		ug/L		99	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-544189/5
Matrix: Water
Analysis Batch: 544189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	50.0	48.6		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.0		ug/L		106	62 - 140
Tetrachloroethene	50.0	51.0		ug/L		102	70 - 128
Toluene	50.0	49.4		ug/L		99	70 - 125
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	51.1		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	53.3		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	50.0	51.6		ug/L		103	57 - 137
1,1,1-Trichloroethane	50.0	50.9		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	52.3		ug/L		105	71 - 130
Trichloroethene	50.0	51.3		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	52.0		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	55.8		ug/L		112	50 - 133
1,2,4-Trimethylbenzene	50.0	48.2		ug/L		96	70 - 123
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 123
Vinyl chloride	50.0	50.5		ug/L		101	64 - 126
Xylenes, Total	100	95.1		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182208-1

Client Sample ID: MW-10S
Date Collected: 05/13/20 12:10
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543961	05/22/20 17:22	JDD	TAL CHI

Client Sample ID: MW-10I
Date Collected: 05/13/20 12:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543961	05/22/20 17:46	JDD	TAL CHI

Client Sample ID: MW-14SR
Date Collected: 05/13/20 11:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543961	05/22/20 18:09	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	543961	05/22/20 18:33	JDD	TAL CHI

Client Sample ID: MW-14IR
Date Collected: 05/13/20 11:50
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543961	05/22/20 18:57	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	543961	05/22/20 19:21	JDD	TAL CHI

Client Sample ID: MW-16D
Date Collected: 05/13/20 13:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543961	05/22/20 19:45	JDD	TAL CHI

Client Sample ID: MW-15D
Date Collected: 05/13/20 14:30
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	544189	05/25/20 14:16	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	543967	05/22/20 18:59	JDD	TAL CHI

Client Sample ID: MW-15D Dup
Date Collected: 05/13/20 14:35
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182208-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	544189	05/25/20 16:31	JDD	TAL CHI

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-182208-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-15D Dup
Lab Sample ID: 500-182208-7
Date Collected: 05/13/20 14:35
Matrix: Ground Water
Date Received: 05/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543967	05/22/20 19:27	JDD	TAL CHI

Client Sample ID: MW-17D
Lab Sample ID: 500-182208-8
Date Collected: 05/13/20 16:00
Matrix: Ground Water
Date Received: 05/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	543970	05/22/20 13:44	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	20	543970	05/22/20 14:10	JDD	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-182208-9
Date Collected: 05/13/20 00:00
Matrix: Water
Date Received: 05/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	543970	05/22/20 13:17	JDD	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-182208-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-20

Chain of Custody Record

267930

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: MARK MANTHEY	Site Contact:	Date:	COC No:
Company Name: TETRA TECH	Tel/Fax:	Lab Contact: SANDIE FREDRICK	Carrier: TEST AMERICA	1 of 1 COCs
Address: 175 N. CORPORATE DR. SUITE 100	Analysis Turnaround Time			Sampler: TOM THOMSON
City/State/Zip: BROOKFIELD, WI. 53045	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (262) 792-1282	TAT if different from Below: STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: PENTAIR DEERFIELD	☐ 1 week			
Site: 117-746005.01	☐ 2 days			Job / SDG No.: 500-182208
P O #	☐ 1 day			

	Sample Identification	2020 Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs 8260	Sample Specific Notes:
1	MW-10S	5-13	12:10	GRAB	GW	3	N		3	
2	MW-10I	5-13	12:30						3	
3	MW-14SR	5-13	11:30						3	
4	MW-14IR	5-13	11:50						3	
5	MW-16D	5-13	13:30						3	
6	MW-15D	5-13	14:30						3	
7	MW-15D DUP	5-13	14:35						3	
8	MW-17D	5-13	16:00		V	V			3	
9	TRIP BLANK	—	—	V	DI	1	V		1	LAB PREPARED
									2	

500-182208 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.9 Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	5-15-20 0800	Received by:	TA	5-18-20 1200
Relinquished by:	TA	5-18-20 1700	Received by:		
Relinquished by:			Received in Laboratory by:	TA-CHT	5/19/20 1100

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-182208-1

Login Number: 182208
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-182209-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
5/28/2020 9:40:38 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

Job ID: 500-182209-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-182209-1

Comments
No additional comments.

Receipt
The samples were received on 5/19/2020 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-182209-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40	J	0.50	0.15	ug/L	1		8260B	Total/NA
Toluene	0.27	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	4.4		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	190		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Effluent
Lab Sample ID: 500-182209-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-182209-1	Influent	Ground Water	05/14/20 08:30	05/19/20 11:00	
500-182209-2	Effluent	Ground Water	05/14/20 08:40	05/19/20 11:00	

Client Sample Results

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-182209-1
Date Collected: 05/14/20 08:30
Matrix: Ground Water
Date Received: 05/19/20 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.40**	**J**	0.50	0.15	ug/L			05/26/20 14:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/20 14:40	1
Toluene	**0.27**	**J**	0.50	0.15	ug/L			05/26/20 14:40	1
1,1,1-Trichloroethane	**4.4**		1.0	0.38	ug/L			05/26/20 14:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/20 14:40	1
Trichloroethene	**190**		0.50	0.16	ug/L			05/26/20 14:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/20 14:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/20 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*05/26/20 14:40*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*05/26/20 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/26/20 14:40*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/26/20 14:40*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

Client Sample ID: Effluent

Date Collected: 05/14/20 08:40
Date Received: 05/19/20 11:00

Lab Sample ID: 500-182209-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/26/20 15:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/20 15:36	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/20 15:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/20 15:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/20 15:36	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			05/26/20 15:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/20 15:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/20 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*05/26/20 15:36*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*05/26/20 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/26/20 15:36*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/26/20 15:36*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

GC/MS VOA

Analysis Batch: 544225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-182209-1	Influent	Total/NA	Ground Water	8260B	
500-182209-2	Effluent	Total/NA	Ground Water	8260B	
MB 500-544225/6	Method Blank	Total/NA	Water	8260B	
LCS 500-544225/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-182209-1	Influent	97	90	104	98
500-182209-2	Effluent	98	89	104	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
LCS 500-544225/4	Lab Control Sample	94	88	99	100
MB 500-544225/6	Method Blank	97	89	103	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-182209-1

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

Lab Sample ID: MB 500-544225/6
Matrix: Water
Analysis Batch: 544225

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			05/26/20 10:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/20 10:28	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/20 10:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/20 10:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/20 10:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/20 10:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/20 10:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/20 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*05/26/20 10:28*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*05/26/20 10:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*05/26/20 10:28*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*05/26/20 10:28*	*1*

Lab Sample ID: LCS 500-544225/4
Matrix: Water
Analysis Batch: 544225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.2		ug/L		96	70 - 120
Ethylbenzene	50.0	52.6		ug/L		105	70 - 123
m&p-Xylene	50.0	55.0		ug/L		110	70 - 125
o-Xylene	50.0	54.1		ug/L		108	70 - 120
Toluene	50.0	51.7		ug/L		103	70 - 125
1,1,1-Trichloroethane	50.0	50.6		ug/L		101	70 - 125
1,1,2-Trichloroethane	50.0	47.0		ug/L		94	71 - 130
Trichloroethene	50.0	49.3		ug/L		99	70 - 125
Vinyl chloride	50.0	50.1		ug/L		100	64 - 126
Xylenes, Total	100	109		ug/L		109	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*88*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-182209-1
Date Collected: 05/14/20 08:30
Matrix: Ground Water
Date Received: 05/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	544225	05/26/20 14:40	JDD	TAL CHI

Client Sample ID: Effluent
Lab Sample ID: 500-182209-2
Date Collected: 05/14/20 08:40
Matrix: Ground Water
Date Received: 05/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	544225	05/26/20 15:36	JDD	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-182209-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-20

Chain of Custody Record

267931

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: MARK MONTHEY	Site Contact:	Date:	COC No:
Company Name: TETRA TECH	Tel/Fax:	Lab Contact: SANDIE FREDRICK	Carrier: TEST AMERICA	___ of ___ COCs
Address: 175 N. CORPORATE DR. SUITE 100	Analysis Turnaround Time			Sampler: TODD M. THOMSEN
City/State/Zip: BROOKFIELD, WI 53045	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (262) 792-1282	TAT if different from Below: STANDARD			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: KENTAIR DEERFIELD				Job / SDG No.: 500-182209
Site: 117-746006.01				
PO #				

Sample Identification	2020 Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCE	1,1,1-TCA	1,1,2-TCA	VINYL CHLORIDE	BETX	BY METHOD 8260B	Sample Specific Notes:
1 INFLUENT	5-14	08:30	G	GW	3	N		3	→	→	→	→	→	SEPARATE REPORT REQUIRED.
2 EFFLUENT	5-14	08:40	G	GW	3	N		3	→	→	→	→	→	
								2						

500-182209 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.9 Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TETRA TECH	5-15-20 0800		TA	5-18-20 17:00
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA 5-18-20	1700			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA-EBT	5/19/20 1100

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-182209-1

Login Number: 182209
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-188397-1
Client Project/Site: Pentair -Deerfield

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
10/2/2020 3:08:29 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Job ID: 500-188397-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-188397-1

Comments
No additional comments.

Receipt
The samples were received on 9/25/2020 9:35 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.7° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Client Sample ID: Influent — Lab Sample ID: 500-188397-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.8		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	150		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Effluent — Lab Sample ID: 500-188397-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.85		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-188397-1	Influent	Water	09/22/20 13:30	09/25/20 09:35	
500-188397-2	Effluent	Water	09/22/20 14:35	09/25/20 09:35	

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Client Sample ID: Influent

Date Collected: 09/22/20 13:30
Date Received: 09/25/20 09:35

Lab Sample ID: 500-188397-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/30/20 17:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/30/20 17:55	1
Toluene	<0.15		0.50	0.15	ug/L			09/30/20 17:55	1
1,1,1-Trichloroethane	**4.8**		1.0	0.38	ug/L			09/30/20 17:55	1
Trichloroethene	**150**		0.50	0.16	ug/L			09/30/20 17:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/30/20 17:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/30/20 17:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/30/20 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*09/30/20 17:55*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/30/20 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*09/30/20 17:55*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*09/30/20 17:55*	*1*

Client Sample Results

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Client Sample ID: Effluent

Date Collected: 09/22/20 14:35
Date Received: 09/25/20 09:35

Lab Sample ID: 500-188397-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/30/20 17:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/30/20 17:30	1
Toluene	<0.15		0.50	0.15	ug/L			09/30/20 17:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/30/20 17:30	1
Trichloroethene	**0.85**		0.50	0.16	ug/L			09/30/20 17:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/30/20 17:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/30/20 17:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/30/20 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*09/30/20 17:30*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*09/30/20 17:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/30/20 17:30*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*09/30/20 17:30*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

GC/MS VOA

Analysis Batch: 564105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-188397-1	Influent	Total/NA	Water	8260B	
500-188397-2	Effluent	Total/NA	Water	8260B	
MB 500-564105/7	Method Blank	Total/NA	Water	8260B	
LCS 500-564105/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-188397-1	Influent	113	94	95	100
500-188397-2	Effluent	113	95	96	98
LCS 500-564105/5	Lab Control Sample	95	93	88	103
MB 500-564105/7	Method Blank	113	92	92	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-564105/7
Matrix: Water
Analysis Batch: 564105

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			09/30/20 11:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/30/20 11:42	1
Toluene	<0.15		0.50	0.15	ug/L			09/30/20 11:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/30/20 11:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/30/20 11:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/30/20 11:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/30/20 11:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/30/20 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*09/30/20 11:42*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*09/30/20 11:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*09/30/20 11:42*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*09/30/20 11:42*	*1*

Lab Sample ID: LCS 500-564105/5
Matrix: Water
Analysis Batch: 564105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.1		ug/L		94	70 - 120
Ethylbenzene	50.0	50.9		ug/L		102	70 - 123
Toluene	50.0	48.8		ug/L		98	70 - 125
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	70 - 125
Trichloroethene	50.0	46.2		ug/L		92	70 - 125
Vinyl chloride	50.0	52.2		ug/L		104	64 - 126
Xylenes, Total	100	97.7		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	45.1		ug/L		90	71 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Client Sample ID: Influent
Date Collected: 09/22/20 13:30
Date Received: 09/25/20 09:35

Lab Sample ID: 500-188397-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	564105	09/30/20 17:55	PMF	TAL CHI

Client Sample ID: Effluent
Date Collected: 09/22/20 14:35
Date Received: 09/25/20 09:35

Lab Sample ID: 500-188397-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	564105	09/30/20 17:30	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Project/Site: Pentair -Deerfield

Job ID: 500-188397-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

500-188397

TestAmerica INCORPORATED

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: TETRA TECH
Client #:
Address: 136 N. Corporate Dr. Suite 100
City/State/Zip Code: Brookfield, WI 53045
Project Manager: MARK MATTHEY
Telephone Number: (262) 792-1292
Fax:
Sampler Name: (Print Name) Todd M. Thomsen
Sampler Signature:

500-188397 COC

Project Name: PENTAIR DEERFIELD
Project #: 117-7469005.01
Site/Location ID: DEERFIELD
State: WI
Report To: MARK MATTHEY
Invoice To:
Quote #:
PO#:

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: STANDARD
Fax Results: Y N

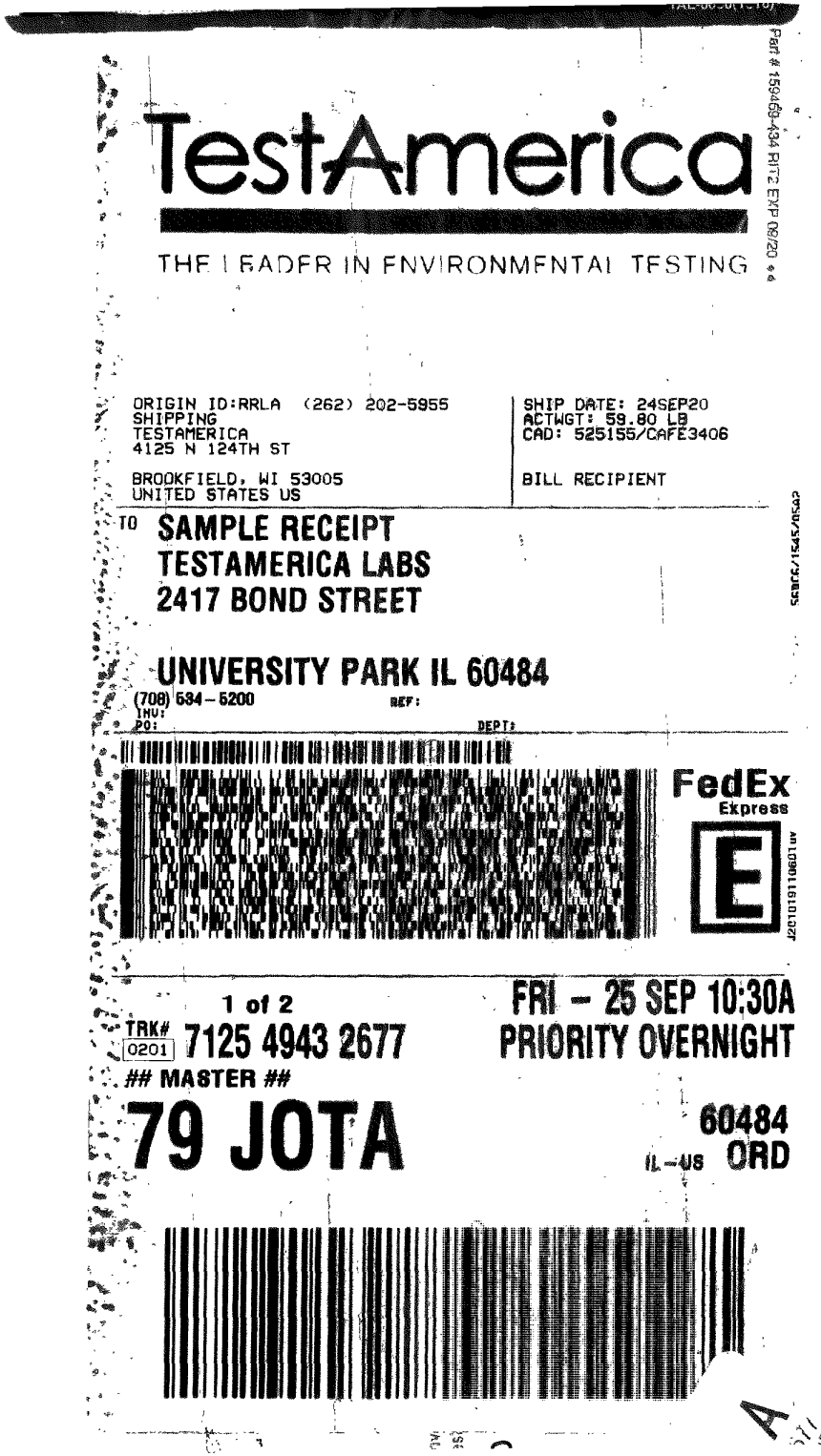
SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: TCL	1,1,1-TCA	1,1,2-TCA	VINYL CHLORIDE	1,2-DCE	BY 8260B	QC Deliverables	REMARKS
1 INFLUENT	9-22-20	13:30	G	N	GW		3						✓	✓	✓	✓	✓			
2 EFFLUENT	9-22-20	14:35	G	N	GW		3						✓	✓	✓	✓	✓			

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: ____

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

	Date:	Time:		Date:	Time:
Relinquished By:	9-24-20	800	Received By:	9-24-20	8:00
Relinquished By:	9-24-20	1700	Received By: Paula Buckley	9/25/20	0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 159459-494 REV EXP 09/20

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 24SEP20
ACTWGT: 59.80 LB
CAD: 525155/CAFE3406

BILL RECIPIENT

TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-5200 REF:
INV:
PO: DEPT:

FedEx Express

1 of 2

TRK# 0201 7125 4943 2677

FRI - 25 SEP 10:30A
PRIORITY OVERNIGHT

MASTER

79 JOTA

60484
IL-US ORD

500-188397 Wayt

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-188397-1

Login Number: 188397
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191129-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Authorized for release by:
11/25/2020 9:08:05 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

Table of Contents

Case Narrative

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Job ID: 500-191129-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-191129-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-191129-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.9		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	130		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Effluent
Lab Sample ID: 500-191129-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.53		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191129-1	Influent	Ground Water	11/11/20 15:30	11/16/20 10:00	
500-191129-2	Effluent	Ground Water	11/11/20 15:45	11/16/20 10:00	

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: Influent
Lab Sample ID: 500-191129-1
Date Collected: 11/11/20 15:30
Matrix: Ground Water
Date Received: 11/16/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 06:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 06:13	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 06:13	1
1,1,1-Trichloroethane	**3.9**		1.0	0.38	ug/L			11/24/20 06:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 06:13	1
Trichloroethene	**130**		0.50	0.16	ug/L			11/24/20 06:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 06:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*11/24/20 06:13*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*11/24/20 06:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*11/24/20 06:13*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*11/24/20 06:13*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Client Sample ID: Effluent

Date Collected: 11/11/20 15:45
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 06:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 06:38	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 06:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 06:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 06:38	1
Trichloroethene	**0.53**		0.50	0.16	ug/L			11/24/20 06:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 06:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*11/24/20 06:38*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*11/24/20 06:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*11/24/20 06:38*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*11/24/20 06:38*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

GC/MS VOA

Analysis Batch: 573683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191129-1	Influent	Total/NA	Ground Water	8260B	
500-191129-2	Effluent	Total/NA	Ground Water	8260B	
MB 500-573683/6	Method Blank	Total/NA	Water	8260B	
LCS 500-573683/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-191129-1	Influent	121	91	102	103
500-191129-2	Effluent	121	93	106	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
LCS 500-573683/4	Lab Control Sample	113	95	102	101
MB 500-573683/6	Method Blank	119	94	104	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-573683/6
Matrix: Water
Analysis Batch: 573683

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 00:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 00:25	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 00:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 00:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 00:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 00:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 00:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*11/24/20 00:25*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*11/24/20 00:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*11/24/20 00:25*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*11/24/20 00:25*	*1*

Lab Sample ID: LCS 500-573683/4
Matrix: Water
Analysis Batch: 573683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	53.2		ug/L		106	70 - 120
Ethylbenzene	50.0	55.5		ug/L		111	70 - 123
m&p-Xylene	50.0	51.6		ug/L		103	70 - 125
o-Xylene	50.0	52.2		ug/L		104	70 - 120
Toluene	50.0	53.1		ug/L		106	70 - 125
1,1,1-Trichloroethane	50.0	52.8		ug/L		106	70 - 125
1,1,2-Trichloroethane	50.0	51.4		ug/L		103	71 - 130
Trichloroethene	50.0	49.5		ug/L		99	70 - 125
Vinyl chloride	50.0	55.2		ug/L		110	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191129-1

Client Sample ID: Influent
Date Collected: 11/11/20 15:30
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573683	11/24/20 06:13	PMF	TAL CHI

Client Sample ID: Effluent
Date Collected: 11/11/20 15:45
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191129-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573683	11/24/20 06:38	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-191129-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Chain of Custody Record

387033 eurofins | Environment Testi TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: MARK MATTHEY	Site Contact:	Date:	COC No: 500-8696.3-24
Company Name: TETRA TECH	Tel/Email:	Lab Contact: SANDIE FREDRICK	Carrier: EUROFINS	1 of 1 COCs
Address: 175 N. CORPORATE DR. SUITE 100	Analysis Turnaround Time			Sampler: TODD M. THORSEN
City/State/Zip: BROOKFIELD WI. 53045	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (262) 792-1282	TAT if different from Below: STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: PENTAIR DEERFIELD	☐ 1 week			
Site: 117-7469005.01	☐ 2 days			Job / SDG No.: 500-191129
P O #	☐ 1 day			

	Sample Identification	2020 Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCE	1,1-TCA	1,2-TCA	VINYL CHLORIDE	BETX	BY METHOD 8260B	500-191129 COC	Sample Specific Notes:
1	INFLUENT	11-11	15:30	G	GW	3	N		3	→	→	→	→	→		SEPARATE REPORT REQUIRED:
2	EFFLUENT	11-11	15:45	G	GW	3	N		3	→	→	→	→	→		
									2							

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 0.1 Corr'd: 0.0 | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	11-13-20 0800	Received by:	TA	11-13-20 8:00
Relinquished by:	TA	11-13-20 1700	Received by:		
Relinquished by:			Received in Laboratory by:	FTA-CHT	

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 13NOV20
ACTWGT: 64.20 LB
CAD: 525155/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECEIPT**
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-6200 REF:
INV:
PO: DEPT:

500-191129 Wayb

FedEx Express

2 of 3
MPS# 0263 7125 4943 6786
Mstr# 7125 4943 6775

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO JOTA

60484
IL-US **ORD**

48 qt.

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-191129-1

Login Number: 191129
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191131-1
Client Project/Site: Pentair Deerfield - 117-7469005.01

For:
Tetra Tech GEO
175 N Corporate Drive
Suite 100
Brookfield, Wisconsin 53045

Attn: Mr. Mark Manthey

Sandie Fredrick

Authorized for release by:
11/29/2020 5:07:30 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

Table of Contents

Job ID: 500-191131-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-191131-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-14SR (500-191131-1), MW-14IR (500-191131-2), MW-17D (500-191131-7) and MW-15D (500-191131-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-14SR — Lab Sample ID: 500-191131-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene - DL	330		5.0	1.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-14IR — Lab Sample ID: 500-191131-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.6		2.0	0.82	ug/L	2		8260B	Total/NA
Tetrachloroethene	1.2	J	2.0	0.74	ug/L	2		8260B	Total/NA
Trichloroethene - DL	420		10	3.3	ug/L	20		8260B	Total/NA

Client Sample ID: MW-10S — Lab Sample ID: 500-191131-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.3		1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10I — Lab Sample ID: 500-191131-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.56	J	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	8.0		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.5		1.0	0.39	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.84	J	1.0	0.37	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	29		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	20		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10I Dup — Lab Sample ID: 500-191131-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.53	J	1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	7.8		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.3		1.0	0.39	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.72	J	1.0	0.37	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	28		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	19		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-16D — Lab Sample ID: 500-191131-6

No Detections.

Client Sample ID: MW-17D — Lab Sample ID: 500-191131-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		2.0	0.82	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	45		2.0	0.78	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	2.1		2.0	0.70	ug/L	2		8260B	Total/NA
1,1,1-Trichloroethane	67		2.0	0.76	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene - DL	430		20	8.2	ug/L	20		8260B	Total/NA
Trichloroethene - DL	580		10	3.3	ug/L	20		8260B	Total/NA

Client Sample ID: MW-15D — Lab Sample ID: 500-191131-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.8		2.0	0.78	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	1.7	J	2.0	0.70	ug/L	2		8260B	Total/NA
Trichloroethene	270		1.0	0.33	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-15D (Continued) — Lab Sample ID: 500-191131-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene - DL	760		20	8.2	ug/L	20		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-191131-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191131-1	MW-14SR	Ground Water	11/12/20 12:00	11/16/20 10:00	
500-191131-2	MW-14IR	Ground Water	11/12/20 11:50	11/16/20 10:00	
500-191131-3	MW-10S	Ground Water	11/12/20 12:35	11/16/20 10:00	
500-191131-4	MW-10I	Ground Water	11/12/20 12:20	11/16/20 10:00	
500-191131-5	MW-10I Dup	Ground Water	11/12/20 12:25	11/16/20 10:00	
500-191131-6	MW-16D	Ground Water	11/12/20 09:50	11/16/20 10:00	
500-191131-7	MW-17D	Ground Water	11/12/20 11:00	11/16/20 10:00	
500-191131-8	MW-15D	Ground Water	11/12/20 14:00	11/16/20 10:00	
500-191131-9	Trip Blank	Water	11/12/20 00:00	11/16/20 10:00	

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-14SR

Date Collected: 11/12/20 12:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 14:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 14:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 14:42	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 14:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 14:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 14:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 14:42	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 14:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 14:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 14:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 14:42	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.41	ug/L			11/24/20 14:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 14:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 14:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 14:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 14:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 14:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 14:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/24/20 14:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 14:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 14:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 14:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 14:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 14:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 14:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 14:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 14:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 14:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:42	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 14:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 14:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 14:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/24/20 14:42	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 14:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 14:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1

Client Sample ID: MW-14SR
Lab Sample ID: 500-191131-1
Date Collected: 11/12/20 12:00
Matrix: Ground Water
Date Received: 11/16/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 14:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 14:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 14:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 14:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 14:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 14:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 14:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 14:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/24/20 14:42*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*11/24/20 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/24/20 14:42*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 14:42*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**330**		5.0	1.6	ug/L			11/25/20 11:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*11/25/20 11:02*	*10*
Dibromofluoromethane	*101*		*75 - 120*		*11/25/20 11:02*	*10*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/25/20 11:02*	*10*
Toluene-d8 (Surr)	*94*		*75 - 120*		*11/25/20 11:02*	*10*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-14IR
Date Collected: 11/12/20 11:50
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.29		1.0	0.29	ug/L			11/24/20 15:09	2
Bromobenzene	<0.71		2.0	0.71	ug/L			11/24/20 15:09	2
Bromochloromethane	<0.86		2.0	0.86	ug/L			11/24/20 15:09	2
Bromodichloromethane	<0.74		2.0	0.74	ug/L			11/24/20 15:09	2
Bromoform	<0.97		2.0	0.97	ug/L			11/24/20 15:09	2
Bromomethane	<1.6		6.0	1.6	ug/L			11/24/20 15:09	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			11/24/20 15:09	2
Chlorobenzene	<0.77		2.0	0.77	ug/L			11/24/20 15:09	2
Chloroethane	<1.0		2.0	1.0	ug/L			11/24/20 15:09	2
Chloroform	<0.74		4.0	0.74	ug/L			11/24/20 15:09	2
Chloromethane	<0.64		2.0	0.64	ug/L			11/24/20 15:09	2
2-Chlorotoluene	<0.63		2.0	0.63	ug/L			11/24/20 15:09	2
4-Chlorotoluene	<0.70		2.0	0.70	ug/L			11/24/20 15:09	2
cis-1,2-Dichloroethene	**5.6**		2.0	0.82	ug/L			11/24/20 15:09	2
cis-1,3-Dichloropropene	<0.83		2.0	0.83	ug/L			11/24/20 15:09	2
Dibromochloromethane	<0.98		2.0	0.98	ug/L			11/24/20 15:09	2
1,2-Dibromo-3-Chloropropane	<4.0		10	4.0	ug/L			11/24/20 15:09	2
1,2-Dibromoethane	<0.77		2.0	0.77	ug/L			11/24/20 15:09	2
Dibromomethane	<0.54		2.0	0.54	ug/L			11/24/20 15:09	2
1,2-Dichlorobenzene	<0.67		2.0	0.67	ug/L			11/24/20 15:09	2
1,3-Dichlorobenzene	<0.80		2.0	0.80	ug/L			11/24/20 15:09	2
1,4-Dichlorobenzene	<0.73		2.0	0.73	ug/L			11/24/20 15:09	2
Dichlorodifluoromethane	<1.3		6.0	1.3	ug/L			11/24/20 15:09	2
1,1-Dichloroethane	<0.82		2.0	0.82	ug/L			11/24/20 15:09	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			11/24/20 15:09	2
1,1-Dichloroethene	<0.78		2.0	0.78	ug/L			11/24/20 15:09	2
1,2-Dichloropropane	<0.86		2.0	0.86	ug/L			11/24/20 15:09	2
1,3-Dichloropropane	<0.72		2.0	0.72	ug/L			11/24/20 15:09	2
2,2-Dichloropropane	<0.89		2.0	0.89	ug/L			11/24/20 15:09	2
1,1-Dichloropropene	<0.59		2.0	0.59	ug/L			11/24/20 15:09	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			11/24/20 15:09	2
Hexachlorobutadiene	<0.89		2.0	0.89	ug/L			11/24/20 15:09	2
Isopropylbenzene	<0.77		2.0	0.77	ug/L			11/24/20 15:09	2
Isopropyl ether	<0.55		2.0	0.55	ug/L			11/24/20 15:09	2
Methylene Chloride	<3.3		10	3.3	ug/L			11/24/20 15:09	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			11/24/20 15:09	2
Naphthalene	<0.67		2.0	0.67	ug/L			11/24/20 15:09	2
n-Butylbenzene	<0.78		2.0	0.78	ug/L			11/24/20 15:09	2
N-Propylbenzene	<0.83		2.0	0.83	ug/L			11/24/20 15:09	2
p-Isopropyltoluene	<0.72		2.0	0.72	ug/L			11/24/20 15:09	2
sec-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 15:09	2
Styrene	<0.77		2.0	0.77	ug/L			11/24/20 15:09	2
tert-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 15:09	2
1,1,1,2-Tetrachloroethane	<0.92		2.0	0.92	ug/L			11/24/20 15:09	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			11/24/20 15:09	2
Tetrachloroethene	**1.2**	**J**	2.0	0.74	ug/L			11/24/20 15:09	2
Toluene	<0.30		1.0	0.30	ug/L			11/24/20 15:09	2
trans-1,2-Dichloroethene	<0.70		2.0	0.70	ug/L			11/24/20 15:09	2
trans-1,3-Dichloropropene	<0.72		2.0	0.72	ug/L			11/24/20 15:09	2

Client Sample ID: MW-14IR
Lab Sample ID: 500-191131-2
Date Collected: 11/12/20 11:50
Matrix: Ground Water
Date Received: 11/16/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.92		2.0	0.92	ug/L			11/24/20 15:09	2
1,2,4-Trichlorobenzene	<0.68		2.0	0.68	ug/L			11/24/20 15:09	2
1,1,1-Trichloroethane	<0.76		2.0	0.76	ug/L			11/24/20 15:09	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			11/24/20 15:09	2
Trichlorofluoromethane	<0.85		2.0	0.85	ug/L			11/24/20 15:09	2
1,2,3-Trichloropropane	<0.83		4.0	0.83	ug/L			11/24/20 15:09	2
1,2,4-Trimethylbenzene	<0.72		2.0	0.72	ug/L			11/24/20 15:09	2
1,3,5-Trimethylbenzene	<0.51		2.0	0.51	ug/L			11/24/20 15:09	2
Vinyl chloride	<0.41		2.0	0.41	ug/L			11/24/20 15:09	2
Xylenes, Total	<0.44		2.0	0.44	ug/L			11/24/20 15:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/24/20 15:09*	*2*
Dibromofluoromethane	*100*		*75 - 120*		*11/24/20 15:09*	*2*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/24/20 15:09*	*2*
Toluene-d8 (Surr)	*93*		*75 - 120*		*11/24/20 15:09*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**420**		10	3.3	ug/L			11/24/20 15:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*11/24/20 15:36*	*20*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 15:36*	*20*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/24/20 15:36*	*20*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 15:36*	*20*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-10S
Date Collected: 11/12/20 12:35
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-3
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 16:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 16:03	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 16:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 16:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 16:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 16:03	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 16:03	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 16:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 16:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 16:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/24/20 16:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 16:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 16:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 16:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 16:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 16:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 16:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/24/20 16:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 16:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 16:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 16:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 16:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 16:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 16:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 16:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 16:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 16:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:03	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 16:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 16:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 16:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/24/20 16:03	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 16:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 16:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-10S
Lab Sample ID: 500-191131-3
Date Collected: 11/12/20 12:35
Matrix: Ground Water
Date Received: 11/16/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 16:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 16:03	1
1,1,1-Trichloroethane	**3.3**		1.0	0.38	ug/L			11/24/20 16:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 16:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 16:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 16:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 16:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 16:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/24/20 16:03*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*11/24/20 16:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/24/20 16:03*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 16:03*	*1*

Client Sample ID: MW-10I
Lab Sample ID: 500-191131-4
Date Collected: 11/12/20 12:20
Matrix: Ground Water
Date Received: 11/16/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 16:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 16:30	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 16:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 16:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 16:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 16:30	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 16:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 16:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 16:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 16:30	1
cis-1,2-Dichloroethene	**0.56**	**J**	1.0	0.41	ug/L			11/24/20 16:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 16:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 16:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 16:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 16:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 16:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 16:30	1
1,1-Dichloroethane	**8.0**		1.0	0.41	ug/L			11/24/20 16:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
1,1-Dichloroethene	**1.5**		1.0	0.39	ug/L			11/24/20 16:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 16:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 16:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 16:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 16:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 16:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 16:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 16:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 16:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 16:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:30	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 16:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 16:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 16:30	1
Tetrachloroethene	**0.84**	**J**	1.0	0.37	ug/L			11/24/20 16:30	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 16:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 16:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-10I
Date Collected: 11/12/20 12:20
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-4
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 16:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 16:30	1
1,1,1-Trichloroethane	**29**		1.0	0.38	ug/L			11/24/20 16:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 16:30	1
Trichloroethene	**20**		0.50	0.16	ug/L			11/24/20 16:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 16:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 16:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 16:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/24/20 16:30*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*11/24/20 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/24/20 16:30*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*11/24/20 16:30*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-10I Dup

Date Collected: 11/12/20 12:25
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-5

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 16:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 16:57	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 16:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 16:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 16:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 16:57	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 16:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 16:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 16:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 16:57	1
cis-1,2-Dichloroethene	**0.53**	**J**	1.0	0.41	ug/L			11/24/20 16:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 16:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 16:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 16:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 16:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 16:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 16:57	1
1,1-Dichloroethane	**7.8**		1.0	0.41	ug/L			11/24/20 16:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
1,1-Dichloroethene	**1.3**		1.0	0.39	ug/L			11/24/20 16:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 16:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 16:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 16:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 16:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 16:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 16:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 16:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 16:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 16:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:57	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 16:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 16:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 16:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 16:57	1
Tetrachloroethene	**0.72**	**J**	1.0	0.37	ug/L			11/24/20 16:57	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 16:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 16:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-10I Dup

Date Collected: 11/12/20 12:25
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-5

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 16:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 16:57	1
1,1,1-Trichloroethane	**28**		1.0	0.38	ug/L			11/24/20 16:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 16:57	1
Trichloroethene	**19**		0.50	0.16	ug/L			11/24/20 16:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 16:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 16:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 16:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 16:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 16:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/24/20 16:57*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*11/24/20 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/24/20 16:57*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 16:57*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-16D
Date Collected: 11/12/20 09:50
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 17:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 17:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 17:24	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 17:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 17:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 17:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 17:24	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 17:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 17:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 17:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 17:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/24/20 17:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 17:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 17:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 17:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 17:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 17:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 17:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 17:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/24/20 17:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 17:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 17:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 17:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 17:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 17:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 17:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 17:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 17:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 17:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 17:24	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 17:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 17:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 17:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 17:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/24/20 17:24	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 17:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 17:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-16D
Date Collected: 11/12/20 09:50
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-6
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 17:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 17:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 17:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 17:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 17:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 17:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 17:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 17:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 17:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 17:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/24/20 17:24*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/24/20 17:24*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*11/24/20 17:24*	*1*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-17D

Date Collected: 11/12/20 11:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-7

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.29		1.0	0.29	ug/L			11/24/20 17:50	2
Bromobenzene	<0.71		2.0	0.71	ug/L			11/24/20 17:50	2
Bromochloromethane	<0.86		2.0	0.86	ug/L			11/24/20 17:50	2
Bromodichloromethane	<0.74		2.0	0.74	ug/L			11/24/20 17:50	2
Bromoform	<0.97		2.0	0.97	ug/L			11/24/20 17:50	2
Bromomethane	<1.6		6.0	1.6	ug/L			11/24/20 17:50	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			11/24/20 17:50	2
Chlorobenzene	<0.77		2.0	0.77	ug/L			11/24/20 17:50	2
Chloroethane	<1.0		2.0	1.0	ug/L			11/24/20 17:50	2
Chloroform	<0.74		4.0	0.74	ug/L			11/24/20 17:50	2
Chloromethane	<0.64		2.0	0.64	ug/L			11/24/20 17:50	2
2-Chlorotoluene	<0.63		2.0	0.63	ug/L			11/24/20 17:50	2
4-Chlorotoluene	<0.70		2.0	0.70	ug/L			11/24/20 17:50	2
cis-1,3-Dichloropropene	<0.83		2.0	0.83	ug/L			11/24/20 17:50	2
Dibromochloromethane	<0.98		2.0	0.98	ug/L			11/24/20 17:50	2
1,2-Dibromo-3-Chloropropane	<4.0		10	4.0	ug/L			11/24/20 17:50	2
1,2-Dibromoethane	<0.77		2.0	0.77	ug/L			11/24/20 17:50	2
Dibromomethane	<0.54		2.0	0.54	ug/L			11/24/20 17:50	2
1,2-Dichlorobenzene	<0.67		2.0	0.67	ug/L			11/24/20 17:50	2
1,3-Dichlorobenzene	<0.80		2.0	0.80	ug/L			11/24/20 17:50	2
1,4-Dichlorobenzene	<0.73		2.0	0.73	ug/L			11/24/20 17:50	2
Dichlorodifluoromethane	<1.3		6.0	1.3	ug/L			11/24/20 17:50	2
1,1-Dichloroethane	**11**		2.0	0.82	ug/L			11/24/20 17:50	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			11/24/20 17:50	2
1,1-Dichloroethene	**45**		2.0	0.78	ug/L			11/24/20 17:50	2
1,2-Dichloropropane	<0.86		2.0	0.86	ug/L			11/24/20 17:50	2
1,3-Dichloropropane	<0.72		2.0	0.72	ug/L			11/24/20 17:50	2
2,2-Dichloropropane	<0.89		2.0	0.89	ug/L			11/24/20 17:50	2
1,1-Dichloropropene	<0.59		2.0	0.59	ug/L			11/24/20 17:50	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			11/24/20 17:50	2
Hexachlorobutadiene	<0.89		2.0	0.89	ug/L			11/24/20 17:50	2
Isopropylbenzene	<0.77		2.0	0.77	ug/L			11/24/20 17:50	2
Isopropyl ether	<0.55		2.0	0.55	ug/L			11/24/20 17:50	2
Methylene Chloride	<3.3		10	3.3	ug/L			11/24/20 17:50	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			11/24/20 17:50	2
Naphthalene	<0.67		2.0	0.67	ug/L			11/24/20 17:50	2
n-Butylbenzene	<0.78		2.0	0.78	ug/L			11/24/20 17:50	2
N-Propylbenzene	<0.83		2.0	0.83	ug/L			11/24/20 17:50	2
p-Isopropyltoluene	<0.72		2.0	0.72	ug/L			11/24/20 17:50	2
sec-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 17:50	2
Styrene	<0.77		2.0	0.77	ug/L			11/24/20 17:50	2
tert-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 17:50	2
1,1,1,2-Tetrachloroethane	<0.92		2.0	0.92	ug/L			11/24/20 17:50	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			11/24/20 17:50	2
Tetrachloroethene	<0.74		2.0	0.74	ug/L			11/24/20 17:50	2
Toluene	<0.30		1.0	0.30	ug/L			11/24/20 17:50	2
trans-1,2-Dichloroethene	**2.1**		2.0	0.70	ug/L			11/24/20 17:50	2
trans-1,3-Dichloropropene	<0.72		2.0	0.72	ug/L			11/24/20 17:50	2
1,2,3-Trichlorobenzene	<0.92		2.0	0.92	ug/L			11/24/20 17:50	2

Client Sample ID: MW-17D
Lab Sample ID: 500-191131-7
Date Collected: 11/12/20 11:00
Matrix: Ground Water
Date Received: 11/16/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.68		2.0	0.68	ug/L			11/24/20 17:50	2
1,1,1-Trichloroethane	**67**		2.0	0.76	ug/L			11/24/20 17:50	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			11/24/20 17:50	2
Trichlorofluoromethane	<0.85		2.0	0.85	ug/L			11/24/20 17:50	2
1,2,3-Trichloropropane	<0.83		4.0	0.83	ug/L			11/24/20 17:50	2
1,2,4-Trimethylbenzene	<0.72		2.0	0.72	ug/L			11/24/20 17:50	2
1,3,5-Trimethylbenzene	<0.51		2.0	0.51	ug/L			11/24/20 17:50	2
Vinyl chloride	<0.41		2.0	0.41	ug/L			11/24/20 17:50	2
Xylenes, Total	<0.44		2.0	0.44	ug/L			11/24/20 17:50	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*11/24/20 17:50*	*2*
Dibromofluoromethane	*102*		*75 - 120*		*11/24/20 17:50*	*2*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/24/20 17:50*	*2*
Toluene-d8 (Surr)	*93*		*75 - 120*		*11/24/20 17:50*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**430**		20	8.2	ug/L			11/24/20 18:18	20
Trichloroethene	**580**		10	3.3	ug/L			11/24/20 18:18	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*11/24/20 18:18*	*20*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 18:18*	*20*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/24/20 18:18*	*20*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 18:18*	*20*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-15D

Date Collected: 11/12/20 14:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.29		1.0	0.29	ug/L			11/24/20 18:45	2
Bromobenzene	<0.71		2.0	0.71	ug/L			11/24/20 18:45	2
Bromochloromethane	<0.86		2.0	0.86	ug/L			11/24/20 18:45	2
Bromodichloromethane	<0.74		2.0	0.74	ug/L			11/24/20 18:45	2
Bromoform	<0.97		2.0	0.97	ug/L			11/24/20 18:45	2
Bromomethane	<1.6		6.0	1.6	ug/L			11/24/20 18:45	2
Carbon tetrachloride	<0.77		2.0	0.77	ug/L			11/24/20 18:45	2
Chlorobenzene	<0.77		2.0	0.77	ug/L			11/24/20 18:45	2
Chloroethane	<1.0		2.0	1.0	ug/L			11/24/20 18:45	2
Chloroform	<0.74		4.0	0.74	ug/L			11/24/20 18:45	2
Chloromethane	<0.64		2.0	0.64	ug/L			11/24/20 18:45	2
2-Chlorotoluene	<0.63		2.0	0.63	ug/L			11/24/20 18:45	2
4-Chlorotoluene	<0.70		2.0	0.70	ug/L			11/24/20 18:45	2
cis-1,3-Dichloropropene	<0.83		2.0	0.83	ug/L			11/24/20 18:45	2
Dibromochloromethane	<0.98		2.0	0.98	ug/L			11/24/20 18:45	2
1,2-Dibromo-3-Chloropropane	<4.0		10	4.0	ug/L			11/24/20 18:45	2
1,2-Dibromoethane	<0.77		2.0	0.77	ug/L			11/24/20 18:45	2
Dibromomethane	<0.54		2.0	0.54	ug/L			11/24/20 18:45	2
1,2-Dichlorobenzene	<0.67		2.0	0.67	ug/L			11/24/20 18:45	2
1,3-Dichlorobenzene	<0.80		2.0	0.80	ug/L			11/24/20 18:45	2
1,4-Dichlorobenzene	<0.73		2.0	0.73	ug/L			11/24/20 18:45	2
Dichlorodifluoromethane	<1.3		6.0	1.3	ug/L			11/24/20 18:45	2
1,1-Dichloroethane	<0.82		2.0	0.82	ug/L			11/24/20 18:45	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			11/24/20 18:45	2
1,1-Dichloroethene	**2.8**		2.0	0.78	ug/L			11/24/20 18:45	2
1,2-Dichloropropane	<0.86		2.0	0.86	ug/L			11/24/20 18:45	2
1,3-Dichloropropane	<0.72		2.0	0.72	ug/L			11/24/20 18:45	2
2,2-Dichloropropane	<0.89		2.0	0.89	ug/L			11/24/20 18:45	2
1,1-Dichloropropene	<0.59		2.0	0.59	ug/L			11/24/20 18:45	2
Ethylbenzene	<0.37		1.0	0.37	ug/L			11/24/20 18:45	2
Hexachlorobutadiene	<0.89		2.0	0.89	ug/L			11/24/20 18:45	2
Isopropylbenzene	<0.77		2.0	0.77	ug/L			11/24/20 18:45	2
Isopropyl ether	<0.55		2.0	0.55	ug/L			11/24/20 18:45	2
Methylene Chloride	<3.3		10	3.3	ug/L			11/24/20 18:45	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			11/24/20 18:45	2
Naphthalene	<0.67		2.0	0.67	ug/L			11/24/20 18:45	2
n-Butylbenzene	<0.78		2.0	0.78	ug/L			11/24/20 18:45	2
N-Propylbenzene	<0.83		2.0	0.83	ug/L			11/24/20 18:45	2
p-Isopropyltoluene	<0.72		2.0	0.72	ug/L			11/24/20 18:45	2
sec-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 18:45	2
Styrene	<0.77		2.0	0.77	ug/L			11/24/20 18:45	2
tert-Butylbenzene	<0.80		2.0	0.80	ug/L			11/24/20 18:45	2
1,1,1,2-Tetrachloroethane	<0.92		2.0	0.92	ug/L			11/24/20 18:45	2
1,1,2,2-Tetrachloroethane	<0.80		2.0	0.80	ug/L			11/24/20 18:45	2
Tetrachloroethene	<0.74		2.0	0.74	ug/L			11/24/20 18:45	2
Toluene	<0.30		1.0	0.30	ug/L			11/24/20 18:45	2
trans-1,2-Dichloroethene	**1.7**	**J**	2.0	0.70	ug/L			11/24/20 18:45	2
trans-1,3-Dichloropropene	<0.72		2.0	0.72	ug/L			11/24/20 18:45	2
1,2,3-Trichlorobenzene	<0.92		2.0	0.92	ug/L			11/24/20 18:45	2

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-15D

Date Collected: 11/12/20 14:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-8

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.68		2.0	0.68	ug/L			11/24/20 18:45	2
1,1,1-Trichloroethane	<0.76		2.0	0.76	ug/L			11/24/20 18:45	2
1,1,2-Trichloroethane	<0.70		2.0	0.70	ug/L			11/24/20 18:45	2
Trichloroethene	**270**		1.0	0.33	ug/L			11/24/20 18:45	2
Trichlorofluoromethane	<0.85		2.0	0.85	ug/L			11/24/20 18:45	2
1,2,3-Trichloropropane	<0.83		4.0	0.83	ug/L			11/24/20 18:45	2
1,2,4-Trimethylbenzene	<0.72		2.0	0.72	ug/L			11/24/20 18:45	2
1,3,5-Trimethylbenzene	<0.51		2.0	0.51	ug/L			11/24/20 18:45	2
Vinyl chloride	<0.41		2.0	0.41	ug/L			11/24/20 18:45	2
Xylenes, Total	<0.44		2.0	0.44	ug/L			11/24/20 18:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/24/20 18:45*	*2*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 18:45*	*2*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/24/20 18:45*	*2*
Toluene-d8 (Surr)	*94*		*75 - 120*		*11/24/20 18:45*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**760**		20	8.2	ug/L			11/24/20 19:12	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/24/20 19:12*	*20*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 19:12*	*20*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/24/20 19:12*	*20*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/24/20 19:12*	*20*

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: Trip Blank

Date Collected: 11/12/20 00:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 14:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 14:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 14:15	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 14:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 14:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 14:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 14:15	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 14:15	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 14:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 14:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 14:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/24/20 14:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 14:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 14:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 14:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 14:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 14:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 14:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/24/20 14:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 14:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 14:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 14:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 14:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 14:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 14:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 14:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 14:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 14:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:15	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 14:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 14:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 14:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 14:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/24/20 14:15	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 14:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 14:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: Trip Blank
Date Collected: 11/12/20 00:00
Date Received: 11/16/20 10:00

Lab Sample ID: 500-191131-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 14:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 14:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 14:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 14:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 14:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 14:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 14:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 14:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 14:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 14:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*11/24/20 14:15*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*11/24/20 14:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/24/20 14:15*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*11/24/20 14:15*	*1*

Definitions/Glossary

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

GC/MS VOA

Analysis Batch: 573707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191131-1	MW-14SR	Total/NA	Ground Water	8260B	
500-191131-2	MW-14IR	Total/NA	Ground Water	8260B	
500-191131-2 - DL	MW-14IR	Total/NA	Ground Water	8260B	
500-191131-3	MW-10S	Total/NA	Ground Water	8260B	
500-191131-4	MW-10I	Total/NA	Ground Water	8260B	
500-191131-5	MW-10I Dup	Total/NA	Ground Water	8260B	
500-191131-6	MW-16D	Total/NA	Ground Water	8260B	
500-191131-7	MW-17D	Total/NA	Ground Water	8260B	
500-191131-7 - DL	MW-17D	Total/NA	Ground Water	8260B	
500-191131-8	MW-15D	Total/NA	Ground Water	8260B	
500-191131-8 - DL	MW-15D	Total/NA	Ground Water	8260B	
500-191131-9	Trip Blank	Total/NA	Water	8260B	
MB 500-573707/6	Method Blank	Total/NA	Water	8260B	
LCS 500-573707/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 573960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191131-1 - DL	MW-14SR	Total/NA	Ground Water	8260B	
MB 500-573960/6	Method Blank	Total/NA	Water	8260B	
LCS 500-573960/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-191131-1	MW-14SR	83	100	94	92
500-191131-1 - DL	MW-14SR	82	101	95	94
500-191131-2	MW-14IR	84	100	96	93
500-191131-2 - DL	MW-14IR	81	101	94	92
500-191131-3	MW-10S	83	100	94	92
500-191131-4	MW-10I	83	100	96	93
500-191131-5	MW-10I Dup	83	100	95	92
500-191131-6	MW-16D	83	101	96	91
500-191131-7	MW-17D	82	102	95	93
500-191131-7 - DL	MW-17D	81	101	96	92
500-191131-8	MW-15D	84	101	95	94
500-191131-8 - DL	MW-15D	84	101	94	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-191131-9	Trip Blank	82	99	94	91
LCS 500-573707/4	Lab Control Sample	82	92	87	96
LCS 500-573960/4	Lab Control Sample	81	94	89	97
MB 500-573707/6	Method Blank	84	101	96	91
MB 500-573960/6	Method Blank	83	100	94	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 500-573707/6
Matrix: Water
Analysis Batch: 573707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/24/20 13:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/24/20 13:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/24/20 13:21	1
Bromoform	<0.48		1.0	0.48	ug/L			11/24/20 13:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/24/20 13:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/24/20 13:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/24/20 13:21	1
Chloroform	<0.37		2.0	0.37	ug/L			11/24/20 13:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/24/20 13:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/24/20 13:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/24/20 13:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/24/20 13:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/24/20 13:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/24/20 13:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/24/20 13:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/24/20 13:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/24/20 13:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/24/20 13:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/24/20 13:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/24/20 13:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/24/20 13:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/24/20 13:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/24/20 13:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/24/20 13:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/24/20 13:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/24/20 13:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/24/20 13:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/24/20 13:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/24/20 13:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 13:21	1
Styrene	<0.39		1.0	0.39	ug/L			11/24/20 13:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/24/20 13:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/24/20 13:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/24/20 13:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/24/20 13:21	1
Toluene	<0.15		0.50	0.15	ug/L			11/24/20 13:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/24/20 13:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573707/6
Matrix: Water
Analysis Batch: 573707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/24/20 13:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/24/20 13:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/24/20 13:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/24/20 13:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/24/20 13:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/24/20 13:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/24/20 13:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/24/20 13:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/24/20 13:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/24/20 13:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/24/20 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/24/20 13:21*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*11/24/20 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/24/20 13:21*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*11/24/20 13:21*	*1*

Lab Sample ID: LCS 500-573707/4
Matrix: Water
Analysis Batch: 573707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.5		ug/L		91	70 - 120
Bromobenzene	50.0	38.8		ug/L		78	70 - 122
Bromochloromethane	50.0	45.3		ug/L		91	65 - 122
Bromodichloromethane	50.0	41.9		ug/L		84	69 - 120
Bromoform	50.0	41.9		ug/L		84	56 - 132
Bromomethane	50.0	43.4		ug/L		87	40 - 152
Carbon tetrachloride	50.0	48.3		ug/L		97	59 - 133
Chlorobenzene	50.0	47.2		ug/L		94	70 - 120
Chloroethane	50.0	51.2		ug/L		102	48 - 136
Chloroform	50.0	42.5		ug/L		85	70 - 120
Chloromethane	50.0	42.3		ug/L		85	56 - 152
2-Chlorotoluene	50.0	42.6		ug/L		85	70 - 125
4-Chlorotoluene	50.0	43.1		ug/L		86	68 - 124
cis-1,2-Dichloroethene	50.0	43.2		ug/L		86	70 - 125
cis-1,3-Dichloropropene	50.0	37.5		ug/L		75	64 - 127
Dibromochloromethane	50.0	42.8		ug/L		86	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	28.8		ug/L		58	56 - 123
1,2-Dibromoethane	50.0	38.9		ug/L		78	70 - 125
Dibromomethane	50.0	41.4		ug/L		83	70 - 120
1,2-Dichlorobenzene	50.0	41.3		ug/L		83	70 - 125
1,3-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	22.9		ug/L		46	40 - 159
1,1-Dichloroethane	50.0	48.3		ug/L		97	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573707/4
Matrix: Water
Analysis Batch: 573707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	43.1		ug/L		86	68 - 127
1,1-Dichloroethene	50.0	45.9		ug/L		92	67 - 122
1,2-Dichloropropane	50.0	51.3		ug/L		103	67 - 130
1,3-Dichloropropane	50.0	38.7		ug/L		77	62 - 136
2,2-Dichloropropane	50.0	45.9		ug/L		92	58 - 139
1,1-Dichloropropene	50.0	44.7		ug/L		89	70 - 121
Ethylbenzene	50.0	49.7		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	44.4		ug/L		89	51 - 150
Isopropylbenzene	50.0	43.6		ug/L		87	70 - 126
Methylene Chloride	50.0	40.9		ug/L		82	69 - 125
Methyl tert-butyl ether	50.0	37.6		ug/L		75	55 - 123
Naphthalene	50.0	31.3		ug/L		63	53 - 144
n-Butylbenzene	50.0	46.9		ug/L		94	68 - 125
N-Propylbenzene	50.0	45.9		ug/L		92	69 - 127
p-Isopropyltoluene	50.0	47.4		ug/L		95	70 - 125
sec-Butylbenzene	50.0	45.8		ug/L		92	70 - 123
Styrene	50.0	46.1		ug/L		92	70 - 120
tert-Butylbenzene	50.0	44.0		ug/L		88	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	34.2		ug/L		68	62 - 140
Tetrachloroethene	50.0	51.5		ug/L		103	70 - 128
Toluene	50.0	47.3		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	35.2		ug/L		70	62 - 128
1,2,3-Trichlorobenzene	50.0	34.6		ug/L		69	51 - 145
1,2,4-Trichlorobenzene	50.0	33.9		ug/L		68	57 - 137
1,1,1-Trichloroethane	50.0	45.8		ug/L		92	70 - 125
1,1,2-Trichloroethane	50.0	40.7		ug/L		81	71 - 130
Trichloroethene	50.0	48.1		ug/L		96	70 - 125
Trichlorofluoromethane	50.0	38.0		ug/L		76	55 - 128
1,2,3-Trichloropropane	50.0	33.0		ug/L		66	50 - 133
1,2,4-Trimethylbenzene	50.0	43.0		ug/L		86	70 - 123
1,3,5-Trimethylbenzene	50.0	43.2		ug/L		86	70 - 123
Vinyl chloride	50.0	40.6		ug/L		81	64 - 126
Xylenes, Total	100	97.5		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane	*92*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: MB 500-573960/6
Matrix: Water
Analysis Batch: 573960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 10:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573960/6
Matrix: Water
Analysis Batch: 573960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 10:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 10:35	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 10:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 10:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 10:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 10:35	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 10:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 10:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 10:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 10:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 10:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 10:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 10:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 10:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 10:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 10:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 10:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 10:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 10:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 10:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 10:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 10:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 10:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 10:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 10:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 10:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 10:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:35	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 10:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 10:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 10:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 10:35	1
Toluene	<0.15		0.50	0.15	ug/L			11/25/20 10:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 10:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 10:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573960/6
Matrix: Water
Analysis Batch: 573960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 10:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 10:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 10:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 10:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 10:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 10:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 10:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 10:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/25/20 10:35*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*11/25/20 10:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/25/20 10:35*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*11/25/20 10:35*	*1*

Lab Sample ID: LCS 500-573960/4
Matrix: Water
Analysis Batch: 573960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	41.5		ug/L		83	70 - 120
Bromobenzene	50.0	35.5		ug/L		71	70 - 122
Bromochloromethane	50.0	42.4		ug/L		85	65 - 122
Bromodichloromethane	50.0	38.4		ug/L		77	69 - 120
Bromoform	50.0	39.4		ug/L		79	56 - 132
Bromomethane	50.0	49.6		ug/L		99	40 - 152
Carbon tetrachloride	50.0	44.0		ug/L		88	59 - 133
Chlorobenzene	50.0	43.7		ug/L		87	70 - 120
Chloroethane	50.0	56.2		ug/L		112	48 - 136
Chloroform	50.0	38.9		ug/L		78	70 - 120
Chloromethane	50.0	58.4		ug/L		117	56 - 152
2-Chlorotoluene	50.0	39.2		ug/L		78	70 - 125
4-Chlorotoluene	50.0	39.4		ug/L		79	68 - 124
cis-1,2-Dichloroethene	50.0	39.5		ug/L		79	70 - 125
cis-1,3-Dichloropropene	50.0	34.7		ug/L		69	64 - 127
Dibromochloromethane	50.0	40.1		ug/L		80	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	27.9		ug/L		56	56 - 123
1,2-Dibromoethane	50.0	36.4		ug/L		73	70 - 125
Dibromomethane	50.0	39.2		ug/L		78	70 - 120
1,2-Dichlorobenzene	50.0	38.2		ug/L		76	70 - 125
1,3-Dichlorobenzene	50.0	40.5		ug/L		81	70 - 125
1,4-Dichlorobenzene	50.0	39.6		ug/L		79	70 - 120
Dichlorodifluoromethane	50.0	46.3		ug/L		93	40 - 159
1,1-Dichloroethane	50.0	44.6		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	40.4		ug/L		81	68 - 127
1,1-Dichloroethene	50.0	41.5		ug/L		83	67 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573960/4
Matrix: Water
Analysis Batch: 573960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	50.0	46.3		ug/L		93	67 - 130
1,3-Dichloropropane	50.0	36.9		ug/L		74	62 - 136
2,2-Dichloropropane	50.0	39.7		ug/L		79	58 - 139
1,1-Dichloropropene	50.0	41.0		ug/L		82	70 - 121
Ethylbenzene	50.0	45.4		ug/L		91	70 - 123
Hexachlorobutadiene	50.0	41.7		ug/L		83	51 - 150
Isopropylbenzene	50.0	40.1		ug/L		80	70 - 126
Methylene Chloride	50.0	37.3		ug/L		75	69 - 125
Methyl tert-butyl ether	50.0	33.9		ug/L		68	55 - 123
Naphthalene	50.0	27.5		ug/L		55	53 - 144
n-Butylbenzene	50.0	43.1		ug/L		86	68 - 125
N-Propylbenzene	50.0	42.0		ug/L		84	69 - 127
p-Isopropyltoluene	50.0	43.9		ug/L		88	70 - 125
sec-Butylbenzene	50.0	42.7		ug/L		85	70 - 123
Styrene	50.0	42.3		ug/L		85	70 - 120
tert-Butylbenzene	50.0	40.9		ug/L		82	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.9		ug/L		88	70 - 125
1,1,2,2-Tetrachloroethane	50.0	32.6		ug/L		65	62 - 140
Tetrachloroethene	50.0	47.2		ug/L		94	70 - 128
Toluene	50.0	43.7		ug/L		87	70 - 125
trans-1,2-Dichloroethene	50.0	42.4		ug/L		85	70 - 125
trans-1,3-Dichloropropene	50.0	32.1		ug/L		64	62 - 128
1,2,3-Trichlorobenzene	50.0	31.8		ug/L		64	51 - 145
1,2,4-Trichlorobenzene	50.0	31.0		ug/L		62	57 - 137
1,1,1-Trichloroethane	50.0	41.5		ug/L		83	70 - 125
1,1,2-Trichloroethane	50.0	38.6		ug/L		77	71 - 130
Trichloroethene	50.0	44.1		ug/L		88	70 - 125
Trichlorofluoromethane	50.0	39.6		ug/L		79	55 - 128
1,2,3-Trichloropropane	50.0	31.6		ug/L		63	50 - 133
1,2,4-Trimethylbenzene	50.0	39.7		ug/L		79	70 - 123
1,3,5-Trimethylbenzene	50.0	39.9		ug/L		80	70 - 123
Vinyl chloride	50.0	49.7		ug/L		99	64 - 126
Xylenes, Total	100	89.5		ug/L		89	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: Pentair Deerfield - 117-7469005.01

Job ID: 500-191131-1

Client Sample ID: MW-14SR
Lab Sample ID: 500-191131-1
Date Collected: 11/12/20 12:00
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 14:42	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	10	573960	11/25/20 11:02	PMF	TAL CHI

Client Sample ID: MW-14IR
Lab Sample ID: 500-191131-2
Date Collected: 11/12/20 11:50
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	573707	11/24/20 15:09	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	20	573707	11/24/20 15:36	PMF	TAL CHI

Client Sample ID: MW-10S
Lab Sample ID: 500-191131-3
Date Collected: 11/12/20 12:35
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 16:03	PMF	TAL CHI

Client Sample ID: MW-10I
Lab Sample ID: 500-191131-4
Date Collected: 11/12/20 12:20
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 16:30	PMF	TAL CHI

Client Sample ID: MW-10I Dup
Lab Sample ID: 500-191131-5
Date Collected: 11/12/20 12:25
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 16:57	PMF	TAL CHI

Client Sample ID: MW-16D
Lab Sample ID: 500-191131-6
Date Collected: 11/12/20 09:50
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 17:24	PMF	TAL CHI

Client Sample ID: MW-17D
Lab Sample ID: 500-191131-7
Date Collected: 11/12/20 11:00
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	573707	11/24/20 17:50	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	20	573707	11/24/20 18:18	PMF	TAL CHI

Lab Chronicle

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Client Sample ID: MW-15D
Lab Sample ID: 500-191131-8
Date Collected: 11/12/20 14:00
Matrix: Ground Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	573707	11/24/20 18:45	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	20	573707	11/24/20 19:12	PMF	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-191131-9
Date Collected: 11/12/20 00:00
Matrix: Water
Date Received: 11/16/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573707	11/24/20 14:15	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech GEO
Job ID: 500-191131-1
Project/Site: Pentair Deerfield - 117-7469005.01

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Chain of Custody Record

387034

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: MARK MATTHEY	Site Contact:	Date:	COC No: 500-86932-24563.1
Company Name: TETRA TECH	Tel/Email:	Lab Contact: HEATHER FREDRICK	Carrier: EUROFINS	_____ of _____ COCs
Address: 175 N. CORPORATE DR. SUITE 100	**Analysis Turnaround Time**			Sampler: TODD M THOMPSON
City/State/Zip: BROOKFIELD, WI. 53045	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone: (262) 792-1282	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: PENTAIR DEERFIELD	☐ 1 week			
Site: 117-744905.01	☐ 2 days			Job / SDG No.: 500-191131
PO #	☐ 1 day			

Sample Identification	2020 Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260	Sample Specific Notes:
MW-14 SR	11-12	12:00	GRAB	GW	3			3	
MW-14 IR	11-12	11:50						3	
MW-10 S	11-12	12:35						3	
MW-10 I	11-12	12:20						3	
MW-10 I DUP	11-12	12:25						3	
MW-16D	11-12	09:50						3	
MW-17D	11-12	11:00						3	
MW-15D	11-12	14:00						3	
TRIP BLANK	—	—		DI	1			1	LAB PREPARED

500-191131 COC

1 2 3 4 5 6 7 8 9

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 0.1 Corr'd: 0.0 | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	TETRA TECH	11-13-20 0800	Received by:	TA	11-13-20 8:00
Relinquished by:	TA 11-13-20	1700	Received by:		
Relinquished by:			Received in Laboratory by:	ESTACHE	11/16/20 1000


ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 13NOV20
ACTWGT: 64.20 LB
CAD: 525155/CAFE3406

BILL RECIPIENT

TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-6200 REF:
INV:
PO: DEPT:

500-191131 Wayb

FedEx
Express

2 of 3
MPS# 0263 7125 4943 6786
Mstr# 7125 4943 6775

SATURDAY 12:00P
PRIORITY OVERNIGHT

0201

XO JOTA

60484
IL-US ORD

48 qt.

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 500-191131-1

Login Number: 191131
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	