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September 15, 2021

Mr. Matt Thompson
Wisconsin Department of Natural Resources
1300 W. Clairemont Avenue
Eau Claire, WI 54701

Subject: Initial TCE Vapor Intrusion Pathway Assessment - Wauleco, Inc., Wausau, Wisconsin
BRRTS #02-37-000006

Dear Mr. Thompson:

On behalf of Wauleco, Inc. (Wauleco), TRC Environmental Corporation (TRC) is submitting this letter in response to the Wisconsin Department of Natural Resources (WDNR) letter dated April 6, 2021 seeking an assessment of the trichloroethene (TCE) vapor intrusion (VI) pathway. This letter summarizes the initial VI assessment conducted for TCE at the Wauleco Project Site located at 125 Rosecrans Street in Wausau, Wisconsin. This letter is organized into the following sections:

- Sample Collection
- Sample Analytical Results
- Interpretation of Results
- Conclusions/Next Steps

Sample Collection

The following sampling and analysis was performed, see Figures 1 and 2 for location of water and indoor air sample locations, respectively:

- Indoor Air Samples: Three air samples were collected at the following locations:
  - Inside the office area
  - Inside the shop area
  - Inside the groundwater treatment system building
- Water Samples: Three water samples were collected at the following locations:
  - Influent water to the treatment building
  - Groundwater from well W25
  - Groundwater from well W6R
- Samples Analysis: Indoor air and water samples were analyzed for TCE and its breakdown compounds (i.e., cis-1,2-Dichloroethene (cis-1,2 DCE), trans-1,2-Dichloroethene (trans-1,2 DCE), and vinyl chloride).

Sample Analytical Results

Air sample results are presented in the attached Table 1 (see Attachment 1 for air sample laboratory reports), and summarized below in Table A:

Table A: Air Sample Results

Constituent	WDNR Large Commercial/Industrial Vapor Action Level[1]	Office Area	Shop Area	Treatment Building
		06/08/2021	06/08/2021	06/08/2021
Volatile Organic Compounds (µg/m^3)				
cis-1,2-Dichloroethene	--	< 0.13	< 0.13	0.84
trans-1,2-Dichloroethene	175	< 0.35	< 0.35	< 0.35
Trichloroethene	8.8	2.4	1.1	**14**
Vinyl chloride	28	< 0.072	< 0.072	< 0.072

Note:
Bold value indicates exceedance of WDNR Commercial/Industrial indoor air vapor action level (VAL)

Water sample results are presented in the attached Table 2 (see Attachment 2 for water sample laboratory reports), and summarized below in Table B:

Table B: Water Sample Results

Constituent	NR 140 ES/PAL (ug/l)	Influent	W25	W6R
		06/08/2021	06/08/2021	06/08/2021
Volatiles (ug/L)				
cis-1,2-Dichloroethene	70/ 7	< 2.0	0.76 J	< 0.41
trans-1,2-Dichloroethene	100/ 20	< 1.7	< 0.35	< 0.35
Trichloroethene	5/ 0.5 0.5/0.05[2]	**2.9**	**7.4***	**1.2**
Vinyl chloride	0.2/ 0.02	< 1.0	< 0.20	< 0.20

Note:
Bold value indicates exceedance of NR 140 PAL, * indicates exceedance of ES.

[1] The vapor action levels are based on a target hazard index of 1.0 and target cancer risk of 1x10^{-5}.
[2] TCE ES/PAL proposed values as included in the Wisconsin Dept. of Natural Resources' Cycle 10 rulemaking. Proposed changes to NR-140 scheduled for Summer 2022. See timeline in: https://dnr.wisconsin.gov/topic/Groundwater/NR140.html

Interpretation of Results

Air sample results are interpreted based on the WDNR's RR 800 Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (RR-800 VI Guidance) as follows:

- The indoor air vapor action levels (VALs):
  - The WDNR VALs are based on US EPA risk values for human exposure to contaminants in indoor air.
  - Wisconsin defines the VALs for non-residential settings using the following criteria:
    - Hazard Index of 1.0 or 1 x 10^{-5} excess lifetime cancer risk, whichever is smaller.
    - Composite worker air exposure scenario which assumes an 8-hour exposure duration.
  - Immediate Action Criteria for Indoor Air[3]
    - Carcinogens, if indoor air concentrations are over 10 times the VAL
    - Noncarcinogens, if indoor air concentrations are over 3 times the VAL
    - For TCE, if indoor air concentrations exceed the VAL and there is potential for a woman of childbearing age to be working.
- TCE was detected in all three samples:
  - The concentration from the treatment building sample exceeded the VAL of 8.8 ug/m3.
  - Based on the TRC's treatment system operator's demographic and TCE screening level basis being a non-carcinogen, the immediate action concentration for TCE is 26.4 ug/m^3 which is 3 times 8.8 ug/m^3 (indoor air immediate action criteria for male workers or woman of non-childbearing age). The treatment building indoor air sample concentration did not exceed immediate action criteria.
  - The office and shop sample concentrations did not exceed the VAL of 8.8 ug/m^3
- Cis-1,2 DCE was also detected in the treatment building sample but at a low concentration and there is no VAL for this constituent. Cis-1,2 DCE was not detected in the office or shop samples.
- Vinyl chloride and trans-1,2 DCE were not detected in any of the indoor air samples.

Water sample results are interpreted as follows:

- Water samples were collected to assess if influent water would be a potential source of any compounds detected in indoor air. Water sample results are typically compared to NR 140 Wis. Adm. Code.
  - TCE was detected in all three samples:
    - The concentration in the sample from well W25 exceeded the current Enforcement Standard (ES)
    - The concentration in the samples from the influent sample and well W6R exceeded the current Preventive Action Limit (PAL).

[3] When indoor air concentrations exceed the VAL, immediate action to interrupt the vapor pathway may be needed while the site undergoes further monitoring or remediation. "Immediate Action Criteria for Indoor Air" are situations where immediate action would likely be needed.

  - Trans-1,2 DCE and vinyl chloride were not detected in the water samples.
  - Cis-1,2 DCE was not detected in influent and well W6R samples, it was detected at an estimated concentration in the sample from well W25.

Conclusions/Next Steps

Based on the results of the initial VI assessment, conclusions and next steps include the following:

- TCE was detected in all three indoor air samples. The concentration from the treatment building indoor air sample exceeded the VAL of 8.8 ug/m^3. TCE was also detected in all three water samples.
- TRC believes the source of the TCE detected on Wauleco's property is the upgradient WDNR BRRTS No. 02-37-00027 site referred to as the 3M Wausau Downtown Parking Lot located at 144 Rosecrans Street, Wausau, west of Wauleco. Following is a brief summary of the site:
  - Wausau Motors, reportedly a motor parts manufacturer, was previously located at the site.
  - One of the Wausau Motors' site constituents of concern is TCE.
  - Attachment 3 includes information on the WDNR's BRRTS site and its ultimate closure. This document includes various tables and figures illustrating residual TCE present at the site, including, but not limited to:
    - Sheet 92 of pdf, a Figure with residual soil TCE concentrations.
    - Sheet 121 of pdf, a Table summarizing groundwater TCE concentrations; TCE was noted at a concentration up to 150 ug/L.
  - As part of the closure request, Wauleco received a letter from the property owner dated October 22, 2004 (see Sheet 135 of pdf) that stated in part "Since the source of the TCE within your Monitoring Well W-25 does not appear to originate from your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of groundwater impacted by TCE contamination related to the 3M Parking Lot…"
- Without further testing, it is unclear whether the TCE vapor in the Wauleco buildings results from vapor intrusion from the TCE impacted groundwater in the subsurface. The TCE impacted groundwater being pumped into the Wauleco building as part of Wauleco's groundwater treatment system could also explain the TCE vapors within the Wauleco buildings.
- Wauleco is evaluating and plans to implement measures to mitigate TCE vapor concentrations within the Wauleco treatment building/system.
- Wauleco requests that the Department work with 3M, the current property owner of the TCE source property, to perform further required vapor assessment and, if required, mitigation.

If you have any questions or comments regarding this information, please call me at (608) 235-4963.

Sincerely,

TRC

Bruce Iverson
Project Manager

cc: Evan Schreiner – Wauleco, Inc.
David Crass – Michael Best & Friedrich, LLP
Ken Quinn – TRC

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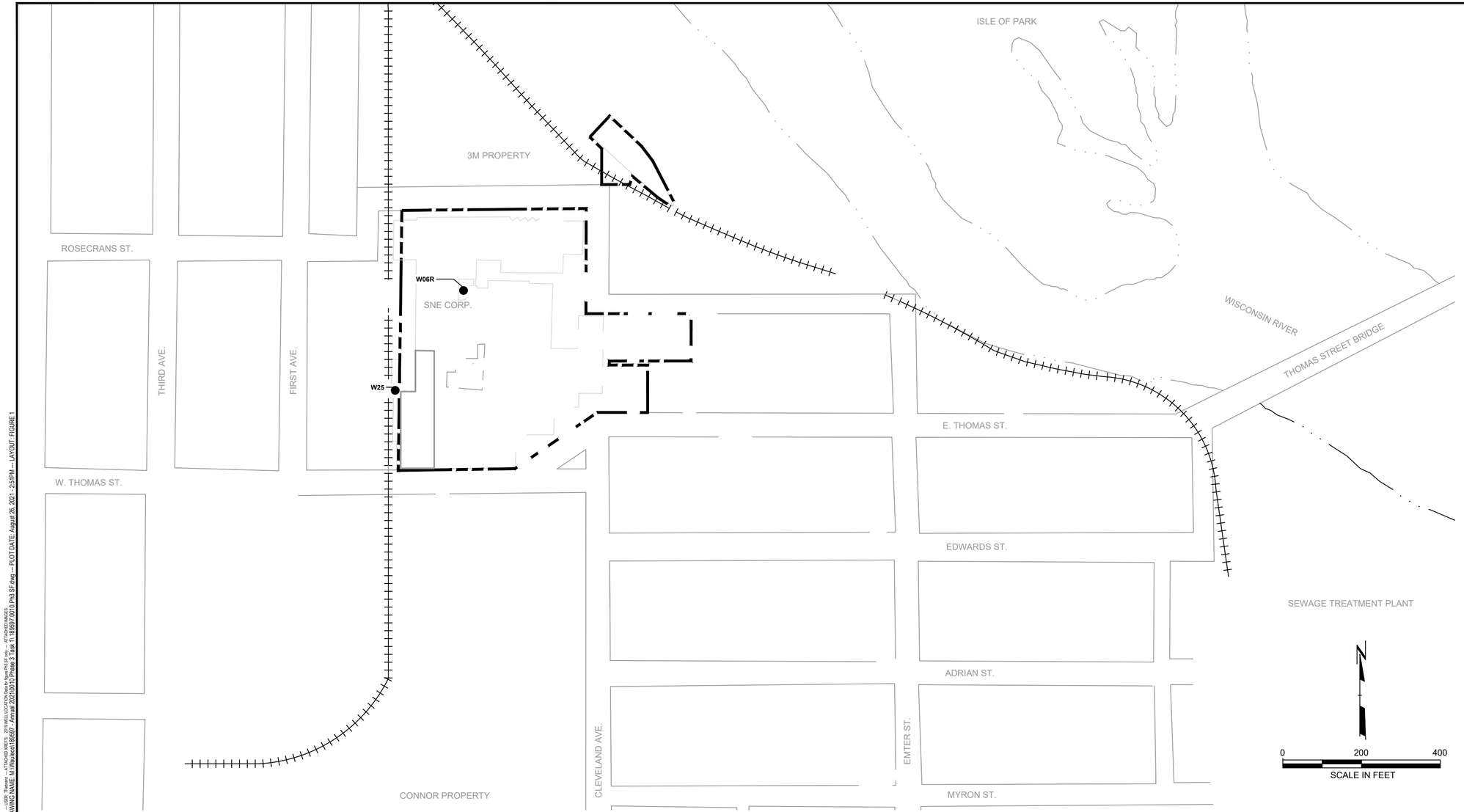
- Attachment 1: Air Samples Laboratory Report
- Attachment 2: Water Samples Laboratory Report
- Attachment 3: 3M Closure Request Information



LEGEND

- W7 ● MONITORING WELL LOCATION AND NUMBER
- PW12 ✿ EXTRACTION WELL LOCATION AND NUMBER
- DFOMW-9 ▲ (3M) GROUNDWATER MONITORING WELL AND NUMBER
- APPROXIMATE PROPERTY LINE
- FORMER BUILDING OUTLINE

NOTES

1. WAULECO WELLS PW02 AND W70B WERE ABANDONED ON 7/21/16 DURING SOIL MOUND REMOVAL ACTIVITIES BY TRC. 3M WELLS DFOMW9 AND DFOMW10A WERE ABANDONED BY 3M IN THE SUMMER OF 2015.
2. WAULECO WELLS W19 AND W39 WERE ABANDONED ON 3/28/19 PRIOR TO THOMAS STREET RECONSTRUCTION. WELLS W26, W29, AND W40 WERE ALSO ABANDONED ON 3/28/19, WITH REPLACEMENT WELLS W26R, W29R, AND W40R INSTALLED ON 6/24/19.

PROJECT:
WAULECO, INC.
ANNUAL GROUNDWATER MONITORING REPORT
WAUSAU, WISCONSIN

TITLE:
TCE VI GROUNDWATER SAMPLE LOCATIONS

DRAWN BY:	T.FIEBRANZ	PROJ NO.:	189597.0010
CHECKED BY:	T. DUSHEK		
APPROVED BY:	B. IVERSON		**FIGURE 1**
DATE:	AUGUST 2021		

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

FILE NO.: 189597.0010.Ph3 SF.dwg

Figure 2: TCE VI Indoor Air Sample Locations Map

Table 1: Indoor Air Analytical Results
Wauleco, 125 Rosecrans Street
Wausau, WI

Constituent	WDNR Large Commercial/ Industrial Vapor Action Level	U.S. EPA Target Indoor Air Concentration	Office 06/08/2021	Shop 06/08/2021	Treatment Building 06/08/2021
Volatile Organic Compounds (µg/m^3)					
cis-1,2-Dichloroethene	--	--	< 0.13	< 0.13	0.84
trans-1,2-Dichloroethene	--	175	< 0.35	< 0.35	< 0.35
Trichloroethene	8.8	8.76	2.4	1.1	***14***
Vinyl chloride	28	27.9	< 0.072	< 0.072	< 0.072

Notes:

1. WDNR Large Commercial/Industrial Vapor Action Levels obtained from WI Vapor Quick Look-Up Table (November 2017) - https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf.
2. U.S. Environmental Protection Agency target indoor air concentration obtained from https://epa-visl.ornl.gov/cgi-bin/visl_search for parameters not listed on the WI Vapor Quick Look-Up Table.
3. The following criteria are used for large commercial/industrial facilities:
   – Target hazard quotient of 1
   – Target risk of 1.00E-05
   – Attenuation factor of 0.01
4. < = Less than the detection limit
5. -- No standard established
6. ***Bold*** indicates an exceedance of the WDNR Large Commercial/Industrial Vapor Action Level

Created by: A. Stehn 6/21/2021
Checked by: T. Dushek 7/7/2021

Table 2: Water Analytical Results
Wauleco, 125 Rosecrans Street
Wausau, WI

Constituent	NR 140 ES/PAL ug/l	Influent 06/08/2021	W25 06/08/2021	W6R 06/08/2021	Trip Blank 06/08/21
Volatiles (ug/L)					
cis-1,2-Dichloroethene	70/ 7	< 2.0	0.76 J	< 0.41	< 0.41
trans-1,2-Dichloroethene	100/ 20	< 1.7	< 0.35	< 0.35	< 0.35
Trichloroethene	5/ 0.5	**2.9**	**7.4**	**1.2**	< 0.16
Vinyl chloride	0.2/ 0.02	< 1.0	< 0.20	< 0.20	< 0.20

Notes:

1. < = Less than the detection limit.
2. Bolded value exceeds PAL.
3. Bolded and Boxed value exceeds ES.

Prepared by: B. Iverson 7/7/2021
Checked by: T. Dushek 7/7/2021

Attachment 1

Air Samples Laboratory Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-58833-1
Laboratory Sample Delivery Group: 200-58833-1
Client Project/Site: Wauleau

For:
TRC Environmental Corporation.
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Tom Perkins

Kathryn Kelly

Authorized for release by:
6/17/2021 3:36:52 PM

Kathryn Kelly, Project Manager II
(802)923-1021
Kathryn.Kelly@Eurofinset.com

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Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Air - GC/MS VOA TICs

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 200-58833-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

CASE NARRATIVE

Client: TRC Environmental Corporation.

Project: Wauleau

Report Number: 200-58833-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 06/09/2021; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS
Samples TREATMENT BUILDING, SHOP and OFFICE were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/10/2021.

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

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Client Sample ID: TREATMENT BUILDING — Lab Sample ID: 200-58833-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.6		0.20	0.024	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.21		0.20	0.033	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	14		1.1	0.13	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.84		0.79	0.13	ug/m3	1		TO-15	Total/NA

Client Sample ID: SHOP — Lab Sample ID: 200-58833-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.20		0.20	0.024	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		1.1	0.13	ug/m3	1		TO-15	Total/NA

Client Sample ID: OFFICE — Lab Sample ID: 200-58833-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.44		0.20	0.024	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.4		1.1	0.13	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TREATMENT BUILDING

Lab Sample ID: 200-58833-1
Matrix: Air
Date Collected: 06/08/21 15:39
Date Received: 06/09/21 10:45
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.20	U	0.20	0.088	ppb v/v			06/10/21 01:05	1
Trichloroethene	**2.6**		0.20	0.024	ppb v/v			06/10/21 01:05	1
cis-1,2-Dichloroethene	**0.21**		0.20	0.033	ppb v/v			06/10/21 01:05	1
Vinyl chloride	0.20	U	0.20	0.028	ppb v/v			06/10/21 01:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.35	ug/m3			06/10/21 01:05	1
Trichloroethene	**14**		1.1	0.13	ug/m3			06/10/21 01:05	1
cis-1,2-Dichloroethene	**0.84**		0.79	0.13	ug/m3			06/10/21 01:05	1
Vinyl chloride	0.51	U	0.51	0.072	ug/m3			06/10/21 01:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*1.0*	*U*	*ppb v/v*			*96-12-8*		*06/10/21 01:05*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*9.7*	*U*	*ug/m3*			*96-12-8*		*06/10/21 01:05*	*1*

Client Sample ID: SHOP

Lab Sample ID: 200-58833-2
Matrix: Air
Date Collected: 06/08/21 15:32
Date Received: 06/09/21 10:45
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.20	U	0.20	0.088	ppb v/v			06/10/21 02:05	1
Trichloroethene	**0.20**		0.20	0.024	ppb v/v			06/10/21 02:05	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.033	ppb v/v			06/10/21 02:05	1
Vinyl chloride	0.20	U	0.20	0.028	ppb v/v			06/10/21 02:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.35	ug/m3			06/10/21 02:05	1
Trichloroethene	**1.1**		1.1	0.13	ug/m3			06/10/21 02:05	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.13	ug/m3			06/10/21 02:05	1
Vinyl chloride	0.51	U	0.51	0.072	ug/m3			06/10/21 02:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*1.0*	*U*	*ppb v/v*			*96-12-8*		*06/10/21 02:05*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*9.7*	*U*	*ug/m3*			*96-12-8*		*06/10/21 02:05*	*1*

Client Sample ID: OFFICE

Lab Sample ID: 200-58833-3
Matrix: Air
Date Collected: 06/08/21 15:25
Date Received: 06/09/21 10:45
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.20	U	0.20	0.088	ppb v/v			06/10/21 03:06	1
Trichloroethene	**0.44**		0.20	0.024	ppb v/v			06/10/21 03:06	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.033	ppb v/v			06/10/21 03:06	1
Vinyl chloride	0.20	U	0.20	0.028	ppb v/v			06/10/21 03:06	1

Client Sample ID: OFFICE

Date Collected: 06/08/21 15:25
Date Received: 06/09/21 10:45
Sample Container: Summa Canister 6L

Lab Sample ID: 200-58833-3

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.35	ug/m3			06/10/21 03:06	1
Trichloroethene	**2.4**		1.1	0.13	ug/m3			06/10/21 03:06	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.13	ug/m3			06/10/21 03:06	1
Vinyl chloride	0.51	U	0.51	0.072	ug/m3			06/10/21 03:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*1.0*	*U*	*ppb v/v*			*96-12-8*		*06/10/21 03:06*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane, 1,2-dibromo-3-chloro- TIC	*9.7*	*U*	*ug/m3*			*96-12-8*		*06/10/21 03:06*	*1*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-167735/4
Matrix: Air
Analysis Batch: 167735

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.20	U	0.20	0.088	ppb v/v			06/09/21 10:34	1
Trichloroethene	0.20	U	0.20	0.024	ppb v/v			06/09/21 10:34	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.033	ppb v/v			06/09/21 10:34	1
Vinyl chloride	0.20	U	0.20	0.028	ppb v/v			06/09/21 10:34	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79	0.35	ug/m3			06/09/21 10:34	1
Trichloroethene	1.1	U	1.1	0.13	ug/m3			06/09/21 10:34	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.13	ug/m3			06/09/21 10:34	1
Vinyl chloride	0.51	U	0.51	0.072	ug/m3			06/09/21 10:34	1

Lab Sample ID: LCS 200-167735/3
Matrix: Air
Analysis Batch: 167735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	10.3	11.5		ppb v/v		111	69 - 137
Trichloroethene	10.3	10.0		ppb v/v		98	73 - 122
cis-1,2-Dichloroethene	10.4	9.99		ppb v/v		96	72 - 121
Vinyl chloride	9.99	10.1		ppb v/v		101	61 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	41	45.4		ug/m3		111	69 - 137
Trichloroethene	55	54.0		ug/m3		98	73 - 122
cis-1,2-Dichloroethene	41	39.6		ug/m3		96	72 - 121
Vinyl chloride	26	25.8		ug/m3		101	61 - 135

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Air - GC/MS VOA

Analysis Batch: 167735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-58833-1	TREATMENT BUILDING	Total/NA	Air	TO-15	
200-58833-2	SHOP	Total/NA	Air	TO-15	
200-58833-3	OFFICE	Total/NA	Air	TO-15	
MB 200-167735/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-167735/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Client Sample ID: TREATMENT BUILDING
Lab Sample ID: 200-58833-1
Date Collected: 06/08/21 15:39
Matrix: Air
Date Received: 06/09/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167735	06/10/21 01:05	K1P	TAL BUR

Client Sample ID: SHOP
Lab Sample ID: 200-58833-2
Date Collected: 06/08/21 15:32
Matrix: Air
Date Received: 06/09/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167735	06/10/21 02:05	K1P	TAL BUR

Client Sample ID: OFFICE
Lab Sample ID: 200-58833-3
Date Collected: 06/08/21 15:25
Matrix: Air
Date Received: 06/09/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167735	06/10/21 03:06	K1P	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-22
Florida	NELAP	E87467	06-30-21
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-21
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

Method Summary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: Wauleau

Job ID: 200-58833-1
SDG: 200-58833-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-58833-1	TREATMENT BUILDING	Air	06/08/21 15:39	06/09/21 10:45	Air Canister (6-Liter) #34001304
200-58833-2	SHOP	Air	06/08/21 15:32	06/09/21 10:45	Air Canister (6-Liter) #4235
200-58833-3	OFFICE	Air	06/08/21 15:25	06/09/21 10:45	Air Canister (6-Liter) #9209

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
200-58833	06/09/21	15:01	29.7	21	G16	SML

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		No	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		No	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-58833-A-1	34001304	-4.6	N	3480	87/36	Y	2786-45778	
200-58833-A-2	4235	-9.3	N	3575	87/36	Y	5167-45799	
200-58833-A-3	9209	-7.2	N	2768	87/38	Y	4947-45837	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins Environment Testing America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** A. Stehn	**Samples Collected By:** Tom Dushek
Company Name: TRC	**Phone:**	
Address:	**Email:** astehn@trccompanies.com	
City/State/Zip Madison, WI		
Phone:	**Site Contact:** Tom Dushek	
FAX:	**Tel/Fax**	
Project Name: Waukesha	**Analysis Turnaround Time**	
Site/Location: Wausau, WI	Standard (Specific): X	
P O #	Rush (Specifiy):	

COC No: _____ of _____ COCs

TALS Project #:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Treatment Building	6/8/21	0629	6/8/21	1539	-30	-4.5	3480	3400130		✓							✓						
Shop	↓	0635	↓	1532	-28	-7.0	3575	~~SHOP~~		✓							✓						
Office	↓	0638	↓	1525	-27	-3.5	2768	9209		✓							✓						
								4235															
								TJD															

200-58833 Chain of Custody

OFFICE & SHOP - 72°F start
76°F Stop

Treatment Bldg Temperature (Fahrenheit)

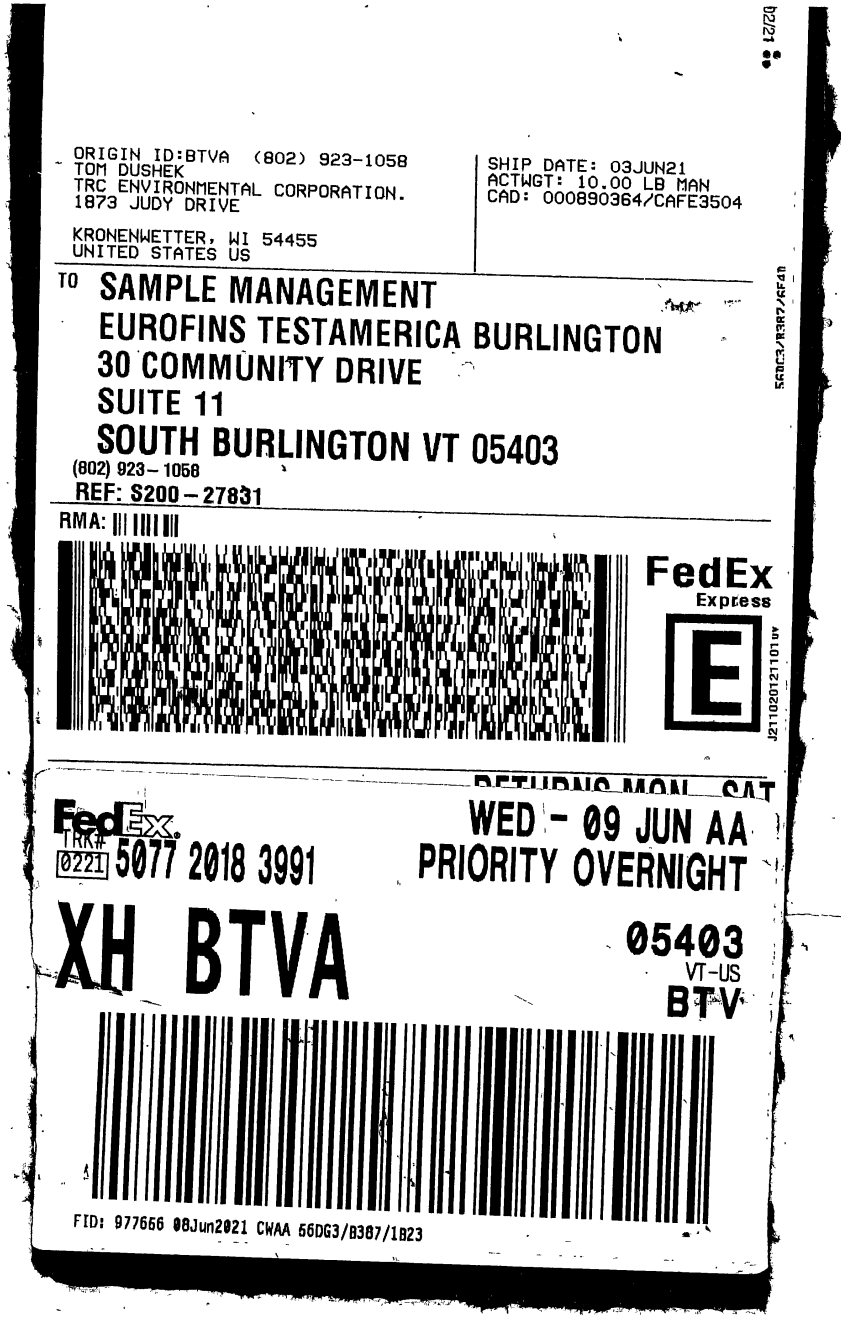
Start	Interior 62°F	Ambient	
Stop	65°F		

Pressure (inches of Hg)

Start	Interior	Ambient	
Stop	29.94		

Special Instructions/QC Requirements & Comments:

Samples Shipped by: J. J. Dushek	**Date / Time:** 6/18/21 1600	**Samples Received by:** ~~[illegible]~~ FEDEX 6/19/21 @ 1045
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by:	**Date / Time:**	**Received by:**
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**



ORIGIN ID:BTVA (802) 923-1058
TOM DUSHEK
TRC ENVIRONMENTAL CORPORATION.
1873 JUDY DRIVE

KRONENWETTER, WI 54455
UNITED STATES US

SHIP DATE: 03JUN21
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3504

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S200-27831

RMA:

FedEx Express

FedEx
TRK# 0221 5077 2018 3991

WED - 09 JUN AA
PRIORITY OVERNIGHT

XH BTVA

05403
VT-US
BTV

FID: 977666 08Jun2021 CWAA 66DG3/B387/1B23

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 200-58833-1
SDG Number: 200-58833-1

Login Number: 58833
List Number: 1
Creator: Lavigne, Scott M

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1532962,963
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.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
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.	N/A	
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	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10	25	4/29/2021	1350	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5447	103	103	0	29.8	G26	4/30/21	1126	S	22.0	G26	6/1/21	1127	S	21.0
2	4101	〃	1.71	1.14	〃	G26	〃	〃	〃	〃	G26	〃	〃	〃	〃
3	2786	103	103	0	29.8	G26	6/1/21	1209	S	21.0	G26	6/2/21	1433	S	21.0
4	5962	103	103	0	29.8	G26	4/30/21	1126	S	22.0	G26	6/1/21	1127	S	21.0
5	3620		103	0		G26					G26				
6	5636		103	0		G26					G26				
7	2631		103	0		G26					G26				
8	5059		103	0		G26					G26				
9	5152		103	0		G26					G26				
10	34001304		103	0		G26					G26				
11	9264		116	1.13		G26					G26				
12	5144	〃	103	0	〃	G26	〃	〃	〃	〃	G26	〃	〃	〃	〃

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
2786	5/5/21	45778	ICPL		XXXXXXX				5/5/21	UTV

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	50	4/30/2021	1400	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3416	103	103	0	29.8	G26	5/3/21	1006	S	22.0	G26	6/1/21	1236	S	21.0
2	3246	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
3	3431	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
4	5167	103	103	0	29.8	G26	6/1/21	1314	S	21.0	G26	6/2/21	1433	S	21.0
5	4235	103	103	0	29.6	G26	5/3/21	1006	S	22.0	G26	6/1/21	1236	S	21.0
6	9244	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
7	2536	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
8	3274	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
9	2844	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
10	3660	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
11	3236	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
12	4906	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Revie
5167	5/3/21	45799	JTP		XXXXXXX				5/3/21	JPB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	5/3/2021	1631	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	4329	103	103	0	29.8	G26	5/4/21	1522	S	22.0	G26	6/1/21	1330	S	21.0
2	5439	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
3	3043	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
4	3563	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
5	4947	103	103	0	29.8	G26	6/1/21	1410	S	21.0	G26	6/2/21	1433	S	21.0
6	4220	103	103	0	29.8	G26	5/4/21	1522	S	22.0	G26	6/1/21	1330	S	21.0
7	5643	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
8	9209	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
9	5465	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
10	3073	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
11	5043	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"
12	3285	"	103	0	"	G26	"	"	"	"	G26	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
4947	5/6/21	45837	KPJ		XXXXXX				5/6/21	DMB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58266-1

SDG No.:

Client Sample ID: 2786 Lab Sample ID: 200-58266-3

Matrix: Air Lab File ID: 45778-015.d

Analysis Method: TO-15 Date Collected: 04/29/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/30/2021 22:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166351 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58266-1

SDG No.:

Client Sample ID: 2786 Lab Sample ID: 200-58266-3

Matrix: Air Lab File ID: 45778-015.d

Analysis Method: TO-15 Date Collected: 04/29/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/30/2021 22:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166351 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58266-1

SDG No.:

Client Sample ID: 2786 Lab Sample ID: 200-58266-3

Matrix: Air Lab File ID: 45778-015.d

Analysis Method: TO-15 Date Collected: 04/29/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/30/2021 22:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166351 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210430-45778.b\45778-015.d
Lims ID: 200-58266-A-3
Client ID: 2786
Sample Type: Client
Inject. Date: 30-Apr-2021 22:48:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0045778-015
Operator ID: ggg Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20210430-45778.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 03-May-2021 10:12:28 Calib Date: 27-Apr-2021 01:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20210426-45699.b\45699-013.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: bunmaa Date: 03-May-2021 10:17:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.153				ND	
	2 Dichlorodifluoromethane	85		4.249				ND	
	3 Chlorodifluoromethane	51		4.297				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.629				ND	
	5 Chloromethane	50		4.731				ND	
	6 Vinyl chloride	62		5.052				ND	
	7 Butane	43		5.057				ND	7
	8 Butadiene	54		5.175				ND	
	9 Bromomethane	94		5.886				ND	
	10 Chloroethane	64		6.164				ND	
	13 Vinyl bromide	106		6.582				ND	
	14 Trichlorofluoromethane	101		6.748				ND	
	16 Ethanol	45		7.181				ND	
	20 1,1-Dichloroethene	96		7.812				ND	
	21 112TCTFE	101		7.855				ND	
	22 Acetone	43		7.941				ND	
	23 Carbon disulfide	76	8.219	8.219	0.000	97	2565	0.0658	
	24 Isopropyl alcohol	45		8.262				ND	
	26 3-Chloro-1-propene	41		8.513				ND	
	27 Methylene Chloride	49	8.743	8.743	0.000	92	1419	0.1075	
	28 2-Methyl-2-propanol	59		9.048				ND	
	30 trans-1,2-Dichloroethene	61		9.241				ND	
	31 Methyl tert-butyl ether	73		9.289				ND	
	32 Hexane	57		9.749				ND	
	33 1,1-Dichloroethane	63		10.006				ND	
	34 Vinyl acetate	43		10.027				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	37 2-Butanone (MEK)	72		10.990				ND	
	36 cis-1,2-Dichloroethene	96		10.995				ND	
	38 Ethyl acetate	88		11.081				ND	
*	39 Chlorobromomethane	128	11.402	11.407	-0.005	93	107084	10.0	
	40 Tetrahydrofuran	42		11.482				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		11.584				ND	
42 1,1,1-Trichloroethane	97		11.889				ND	
43 Cyclohexane	84		12.028				ND	
44 Carbon tetrachloride	117		12.167				ND	
45 Benzene	78		12.515				ND	
46 1,2-Dichloroethane	62		12.589				ND	
47 Isooctane	57		12.729				ND	
48 n-Heptane	43		13.039				ND	
* 49 1,4-Difluorobenzene	114	13.247	13.253	-0.006	94	532334	10.0	
51 Trichloroethene	95		13.681				ND	
53 1,2-Dichloropropane	63		14.136				ND	
55 Methyl methacrylate	69		14.237				ND	
56 Dibromomethane	174		14.296				ND	
57 1,4-Dioxane	88		14.307				ND	
58 Dichlorobromomethane	83		14.601				ND	
60 cis-1,3-Dichloropropene	75		15.403				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
62 Toluene	92		16.045				ND	
64 trans-1,3-Dichloropropene	75		16.457				ND	
65 1,1,2-Trichloroethane	83		16.837				ND	
66 Tetrachloroethene	166		17.035				ND	
67 2-Hexanone	43		17.297				ND	
68 Chlorodibromomethane	129		17.575				ND	
69 Ethylene Dibromide	107		17.816				ND	
* 70 Chlorobenzene-d5	117	18.720	18.726	-0.006	86	414848	10.0	
72 Chlorobenzene	112		18.784				ND	
73 Ethylbenzene	91		18.977				ND	
74 m-Xylene & p-Xylene	106		19.234				ND	
76 o-Xylene	106		20.015				ND	
77 Styrene	104		20.047				ND	
S 78 Xylenes, Total	106		20.100				ND	7
79 Bromoform	173		20.400				ND	
80 Isopropylbenzene	105		20.716				ND	
81 1,1,2,2-Tetrachloroethane	83		21.235				ND	
83 N-Propylbenzene	91		21.438				ND	
84 2-Chlorotoluene	91		21.588				ND	
85 4-Ethyltoluene	105		21.641				ND	
86 1,3,5-Trimethylbenzene	105		21.732				ND	
89 tert-Butylbenzene	119		22.219				ND	
90 1,2,4-Trimethylbenzene	105		22.305				ND	
91 sec-Butylbenzene	105		22.545				ND	
92 1,3-Dichlorobenzene	146		22.716				ND	
93 4-Isopropyltoluene	119		22.759				ND	
94 1,4-Dichlorobenzene	146		22.856				ND	
95 Benzyl chloride	91		23.000				ND	
96 n-Butylbenzene	91		23.310				ND	
97 1,2-Dichlorobenzene	146		23.342				ND	
100 1,2,4-Trichlorobenzene	180		25.766				ND	
101 Hexachlorobutadiene	225		26.007				ND	
102 Naphthalene	128		26.237				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00009 Amount Added: 20.00 Units: mL Run Reagent

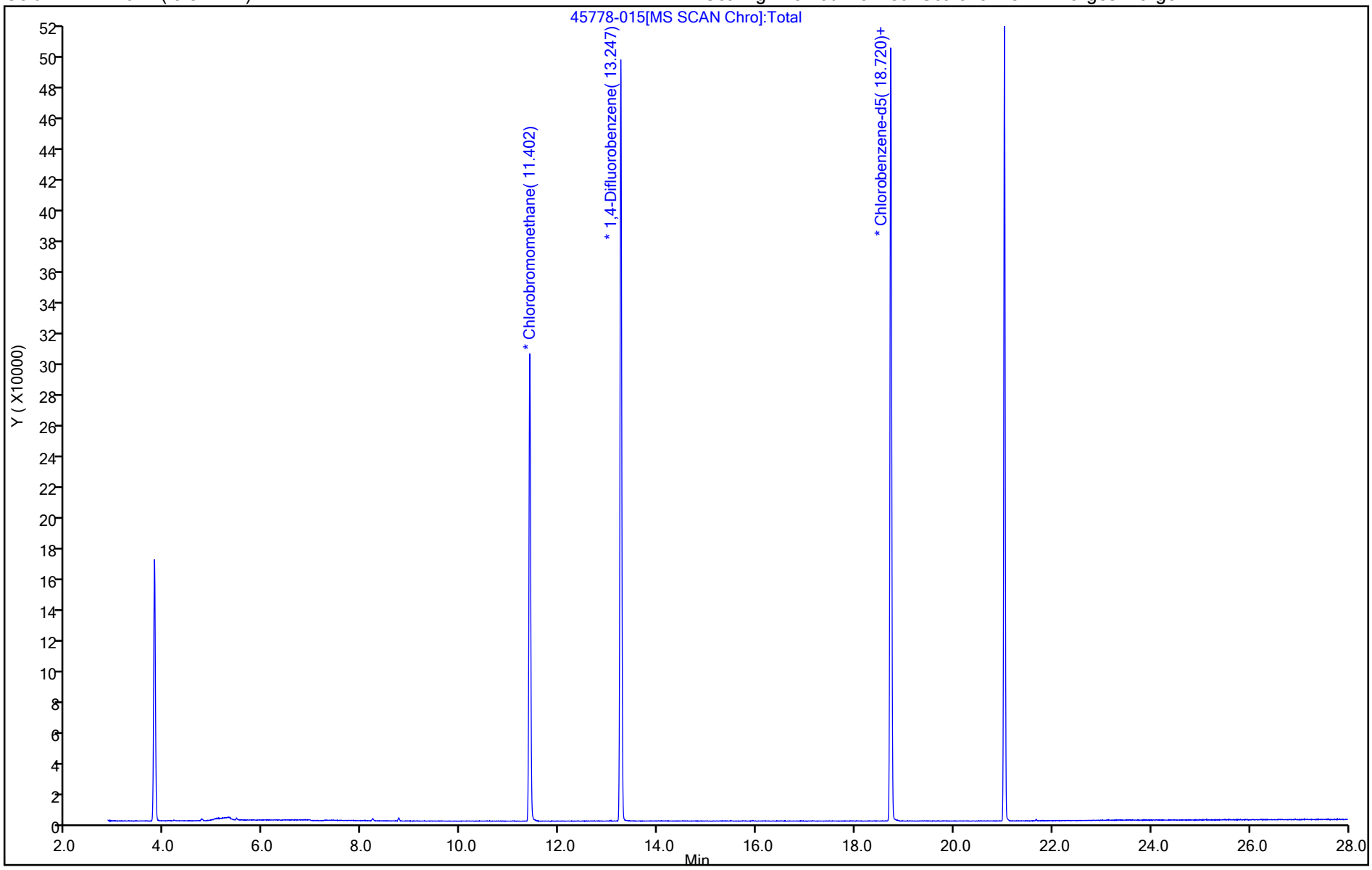
Report Date: 03-May-2021 10:17:42 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210430-45778.b\45778-015.d

Injection Date:	30-Apr-2021 22:48:30	Instrument ID:	CHW.i	Operator ID:	ggg
Lims ID:	200-58266-A-3	Lab Sample ID:	200-58266-3	Worklist Smp#:	15
Client ID:	2786				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58276-1

SDG No.:

Client Sample ID: 5167 Lab Sample ID: 200-58276-4

Matrix: Air Lab File ID: 200-45799-006.D

Analysis Method: TO-15 Date Collected: 04/30/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/03/2021 12:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166409 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58276-1

SDG No.:

Client Sample ID: 5167 Lab Sample ID: 200-58276-4

Matrix: Air Lab File ID: 200-45799-006.D

Analysis Method: TO-15 Date Collected: 04/30/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/03/2021 12:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166409 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58276-1

SDG No.:

Client Sample ID: 5167 Lab Sample ID: 200-58276-4

Matrix: Air Lab File ID: 200-45799-006.D

Analysis Method: TO-15 Date Collected: 04/30/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/03/2021 12:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166409 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D
Lims ID: 200-58276-A-4
Client ID: 5167
Sample Type: Client
Inject. Date: 03-May-2021 12:01:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0045799-006
Misc. Info.: 58276-4
Operator ID: ggg Instrument ID: CHG.i

Method: \\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-May-2021 12:52:45 Calib Date: 30-Apr-2021 01:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20210429-45776.b\200-45776-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: bourdeaut Date: 03-May-2021 12:52:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.038				ND	
2 Dichlorodifluoromethane	85		3.091				ND	
3 Chlorodifluoromethane	51		3.107				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.300				ND	
5 Chloromethane	50		3.369				ND	7
7 Vinyl chloride	62		3.557				ND	
6 Butane	43		3.567				ND	7
8 Butadiene	54		3.632				ND	
10 Bromomethane	94		4.086				ND	
11 Chloroethane	64		4.273				ND	
13 Vinyl bromide	106		4.584				ND	
14 Trichlorofluoromethane	101		4.718				ND	
17 Ethanol	45		4.926				ND	
21 1,1-Dichloroethene	96		5.568				ND	U
22 Acetone	43		5.579				ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.611				ND	
24 Isopropyl alcohol	45		5.820				ND	
23 Carbon disulfide	76		5.943				ND	U
25 3-Chloro-1-propene	41		6.157				ND	7
27 Methylene Chloride	49	6.360	6.360	0.000	32	597	0.0662	
28 2-Methyl-2-propanol	59		6.520				ND	
31 trans-1,2-Dichloroethene	61		6.857				ND	7
29 Methyl tert-butyl ether	73		6.873				ND	
33 Hexane	57		7.382				ND	
34 1,1-Dichloroethane	63		7.564				ND	
35 Vinyl acetate	43		7.580				ND	
38 2-Butanone (MEK)	72		8.489				ND	
37 cis-1,2-Dichloroethene	96		8.526				ND	
39 Ethyl acetate	88		8.607				ND	
* 40 Chlorobromomethane	128	8.933	8.928	0.005	80	112833	10.0	
41 Tetrahydrofuran	42		9.008				ND	7

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	42 Chloroform	83		9.115				ND	
	44 1,1,1-Trichloroethane	97		9.457				ND	
	43 Cyclohexane	84		9.634				ND	
S	30 1,2-Dichloroethene, Total	61		9.665				ND	7
	45 Carbon tetrachloride	117		9.762				ND	
	47 Benzene	78	10.089	10.099	-0.010	1	640	0.0200	
	48 1,2-Dichloroethane	62		10.147				ND	
	46 Isooctane	57		10.399				ND	
	49 n-Heptane	43		10.741				ND	7
*	50 1,4-Difluorobenzene	114	10.897	10.896	0.001	94	649040	10.0	
	53 Trichloroethene	95		11.389				ND	
	54 1,2-Dichloropropane	63		11.865				ND	
	55 Methyl methacrylate	69		12.009				ND	
	57 Dibromomethane	174		12.025				ND	7
	56 1,4-Dioxane	88		12.031				ND	
	58 Dichlorobromomethane	83		12.384				ND	
	60 cis-1,3-Dichloropropene	75		13.282				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		13.577				ND	
	65 Toluene	92	14.010	14.005	0.005	15	482	0.0191	
	66 trans-1,3-Dichloropropene	75		14.427				ND	
	67 1,1,2-Trichloroethane	83		14.823				ND	
	68 Tetrachloroethene	166		15.096				ND	
	69 2-Hexanone	43		15.294				ND	7
	71 Chlorodibromomethane	129		15.615				ND	
	72 Ethylene Dibromide	107		15.856				ND	
*	74 Chlorobenzene-d5	117	16.862	16.856	0.006	87	590549	10.0	
	75 Chlorobenzene	112		16.920				ND	
	76 Ethylbenzene	91	17.150	17.150	0.000	31	2905	0.0499	M
	78 m-Xylene & p-Xylene	106		17.439				ND	
	79 o-Xylene	106	18.247	18.236	0.011	1	651	0.0301	
	80 Styrene	104		18.268				ND	
	81 Bromoform	173		18.605				ND	
	82 Isopropylbenzene	105		19.033				ND	7
	84 1,1,2,2-Tetrachloroethane	83		19.568				ND	7
S	73 Xylenes, Total	106				0		0.0301	
	85 N-Propylbenzene	91		19.836				ND	7
	89 2-Chlorotoluene	91		19.980				ND	7
	88 4-Ethyltoluene	105		20.060				ND	7
	90 1,3,5-Trimethylbenzene	105		20.167				ND	7
	92 tert-Butylbenzene	119		20.686				ND	7
	93 1,2,4-Trimethylbenzene	105		20.777				ND	7
	94 sec-Butylbenzene	105		21.039				ND	7
	96 1,3-Dichlorobenzene	146		21.195				ND	7
	95 4-Isopropyltoluene	119		21.269				ND	7
	97 1,4-Dichlorobenzene	146		21.344				ND	U
	98 Benzyl chloride	91		21.494				ND	U
	101 1,2-Dichlorobenzene	146		21.842				ND	U
	100 n-Butylbenzene	91		21.847				ND	7
	103 1,2,4-Trichlorobenzene	180		24.239				ND	U
	104 Hexachlorobutadiene	225		24.511				ND	7
	105 Naphthalene	128	24.688	24.683	0.005	1	1212	0.0171	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15GIS_00017	Amount Added: 20.00	Units: mL	Run Reagent

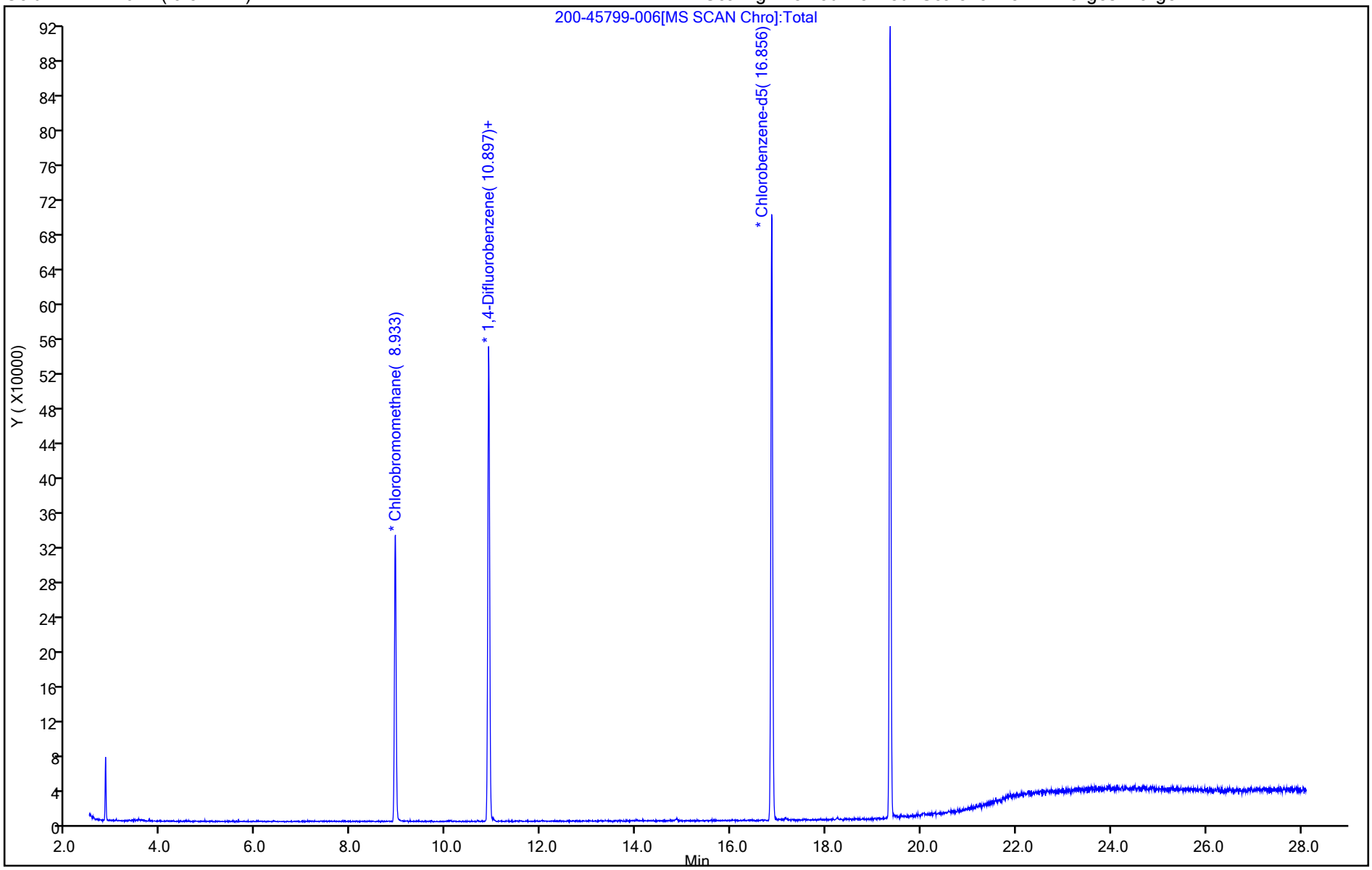
Report Date: 03-May-2021 12:53:07 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D

Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i	Operator ID:	ggg
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4	Worklist Smp#:	6
Client ID:	5167				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



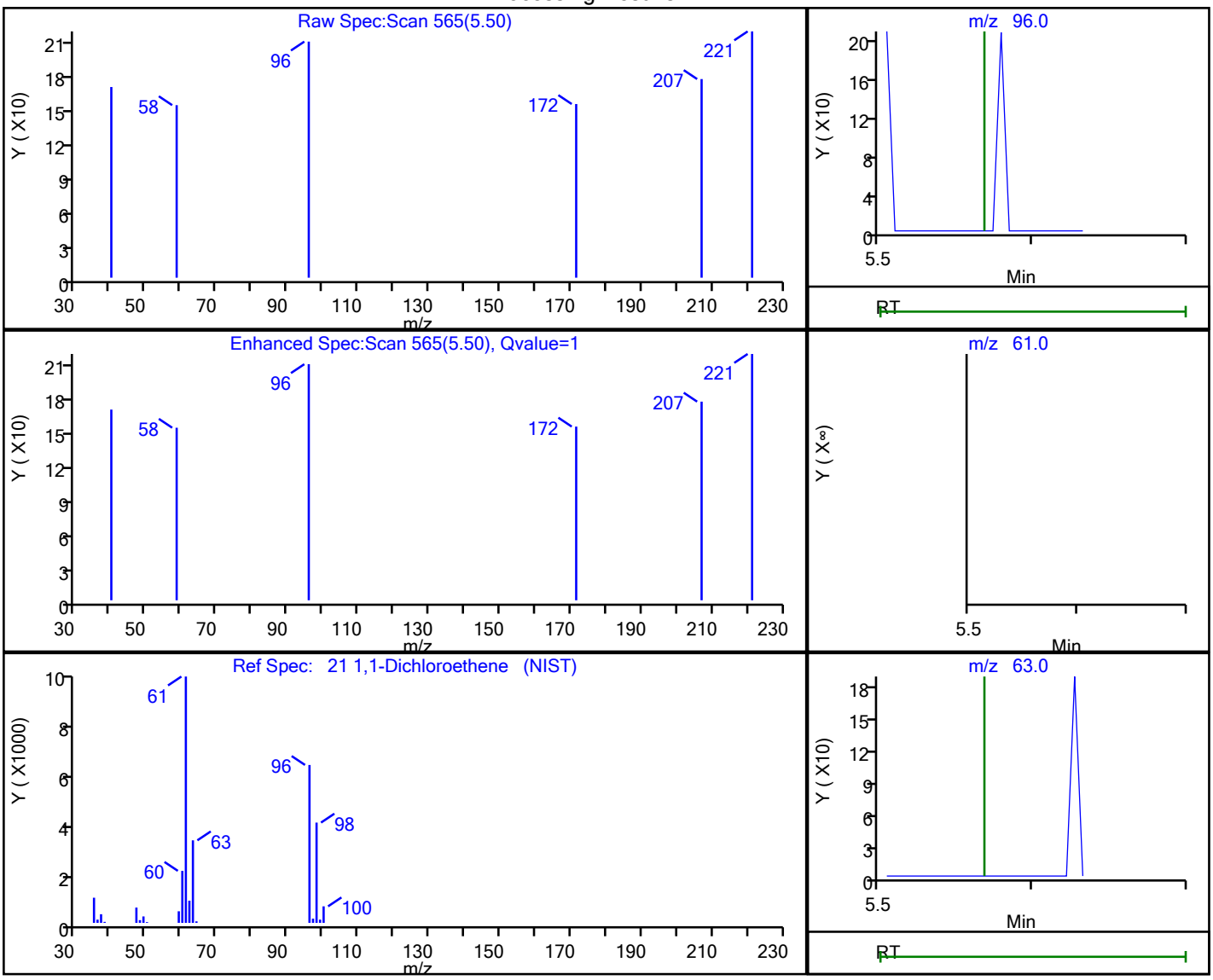
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.50	96.00	67	0.007694
5.57	61.00	0	
5.57	63.00	0	

Reviewer: bourdeaut, 03-May-2021 12:52:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

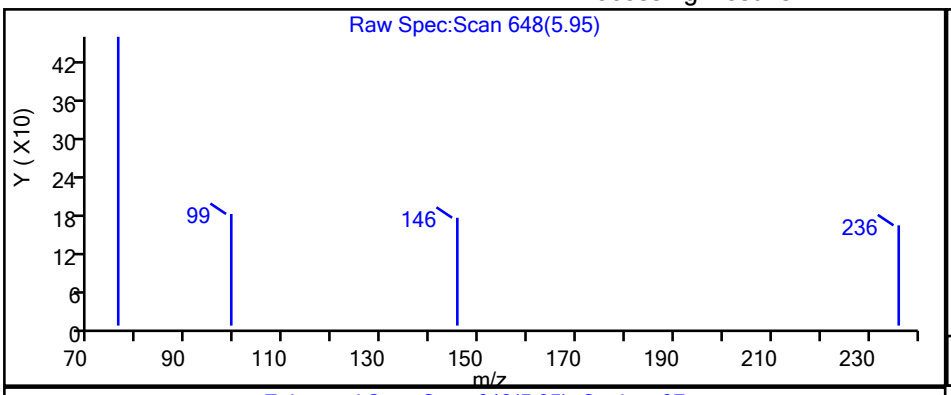
User Disabled Compound Report

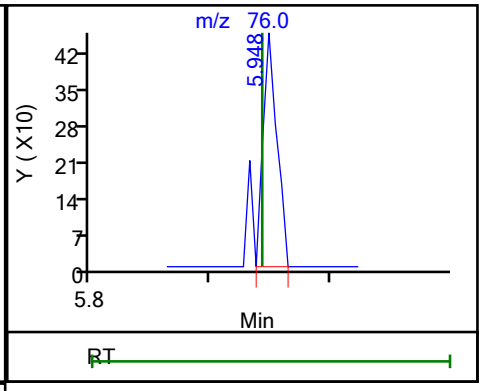
Eurofins TestAmerica, Burlington

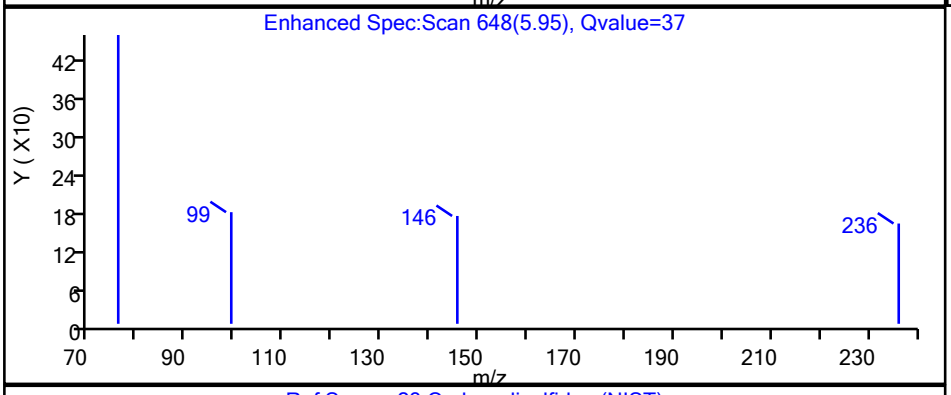
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

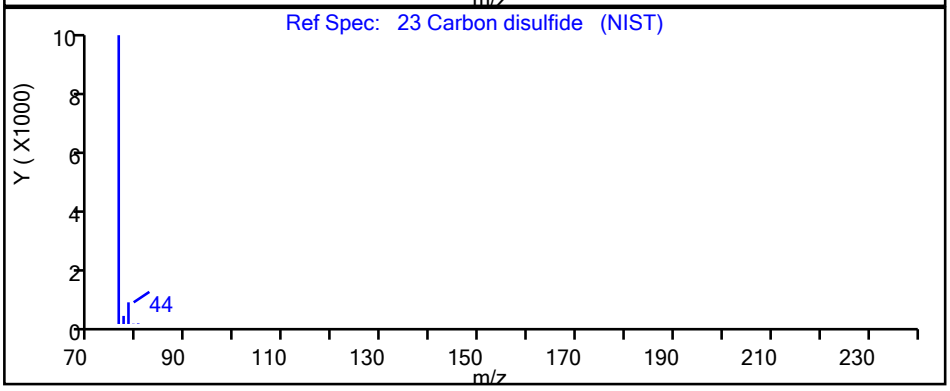
23 Carbon disulfide, CAS: 75-15-0

Processing Results









RT	Mass	Response	Amount
5.95	76.00	368	0.015467

Reviewer: bourdeaut, 03-May-2021 12:52:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

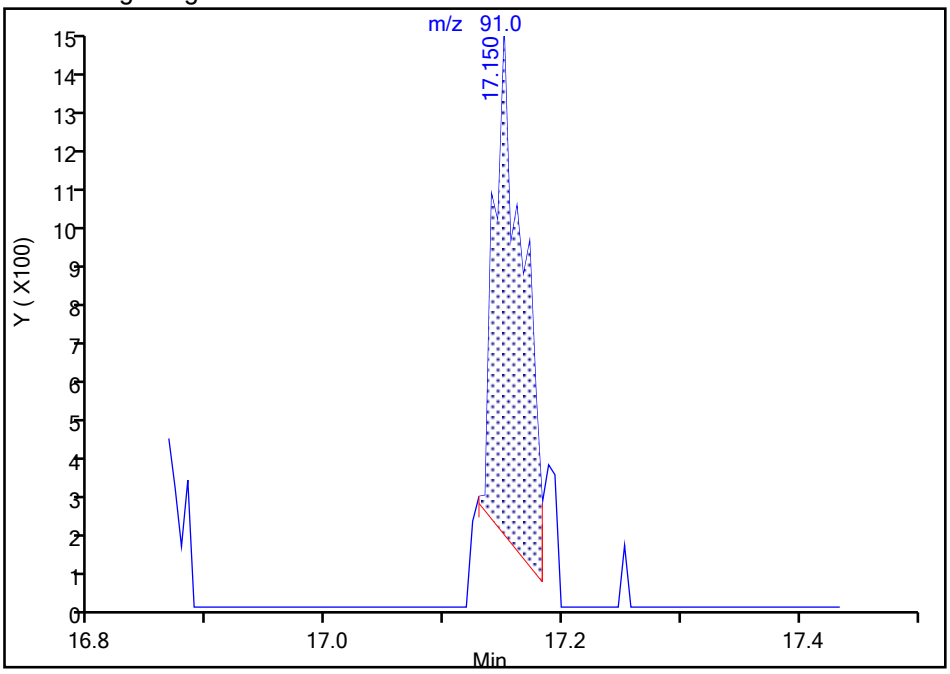
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4

Signal: 1

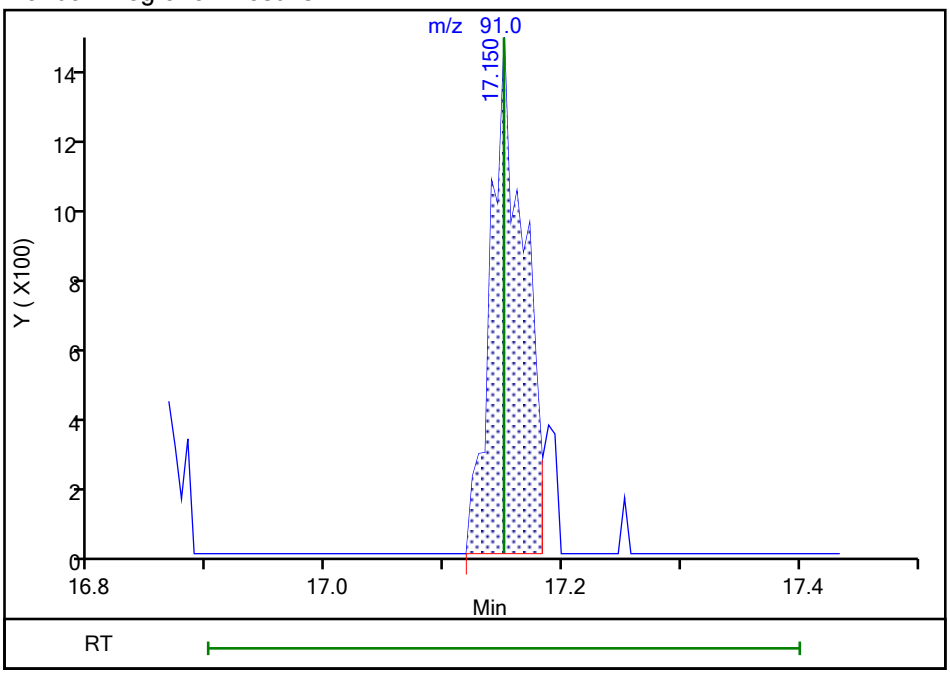
Processing Integration Results

RT: 17.15
Area: 2236
Amount: 0.038373
Amount Units: ppb v/v



Manual Integration Results

RT: 17.15
Area: 2905
Amount: 0.049854
Amount Units: ppb v/v



Reviewer: bourdeaut, 03-May-2021 12:51:42

Audit Action: Split an Integrated Peak Audit Reason: Baseline

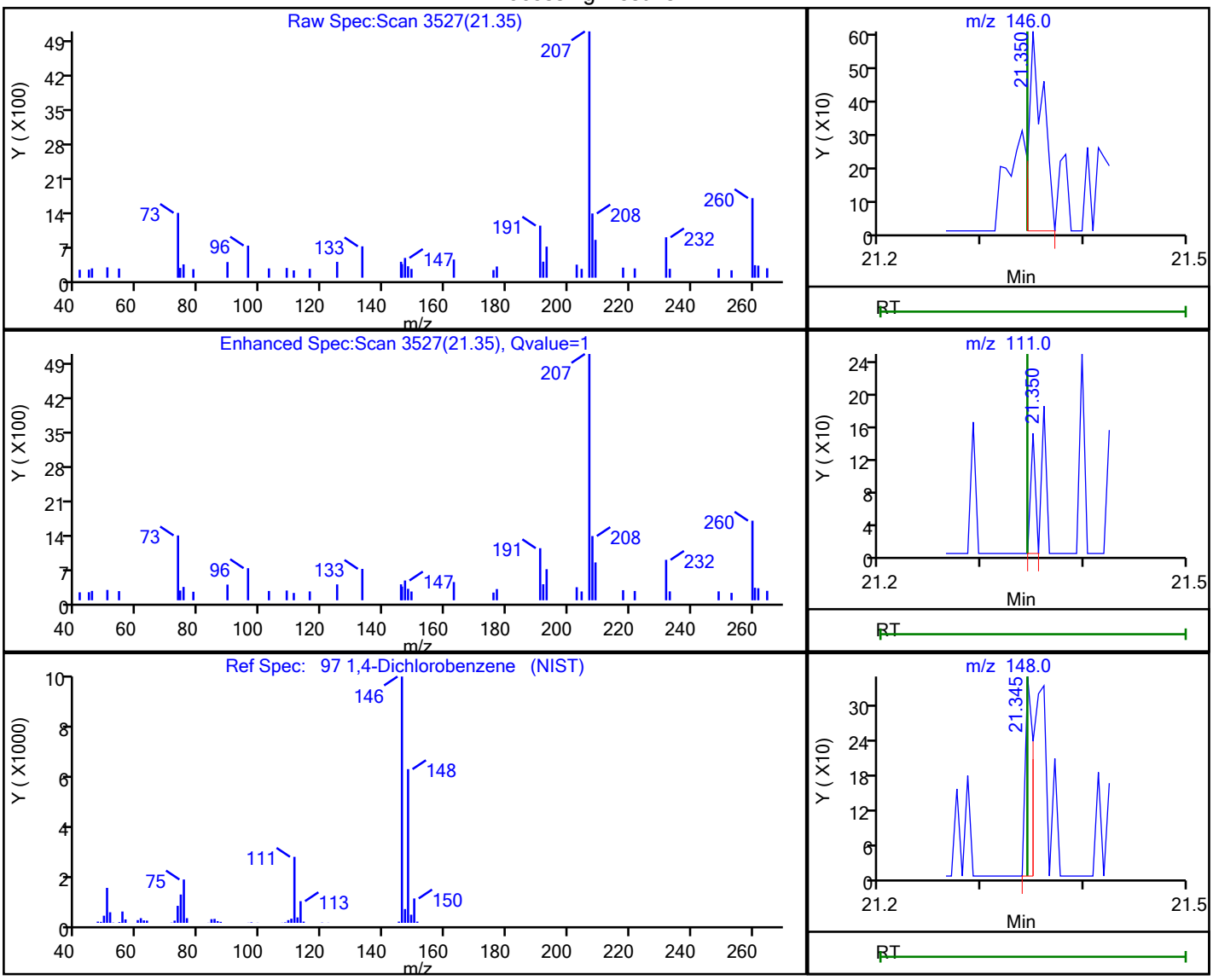
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
21.35	146.00	582	0.015289
21.35	111.00	48	
21.34	148.00	187	

Reviewer: bourdeaut, 03-May-2021 12:52:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

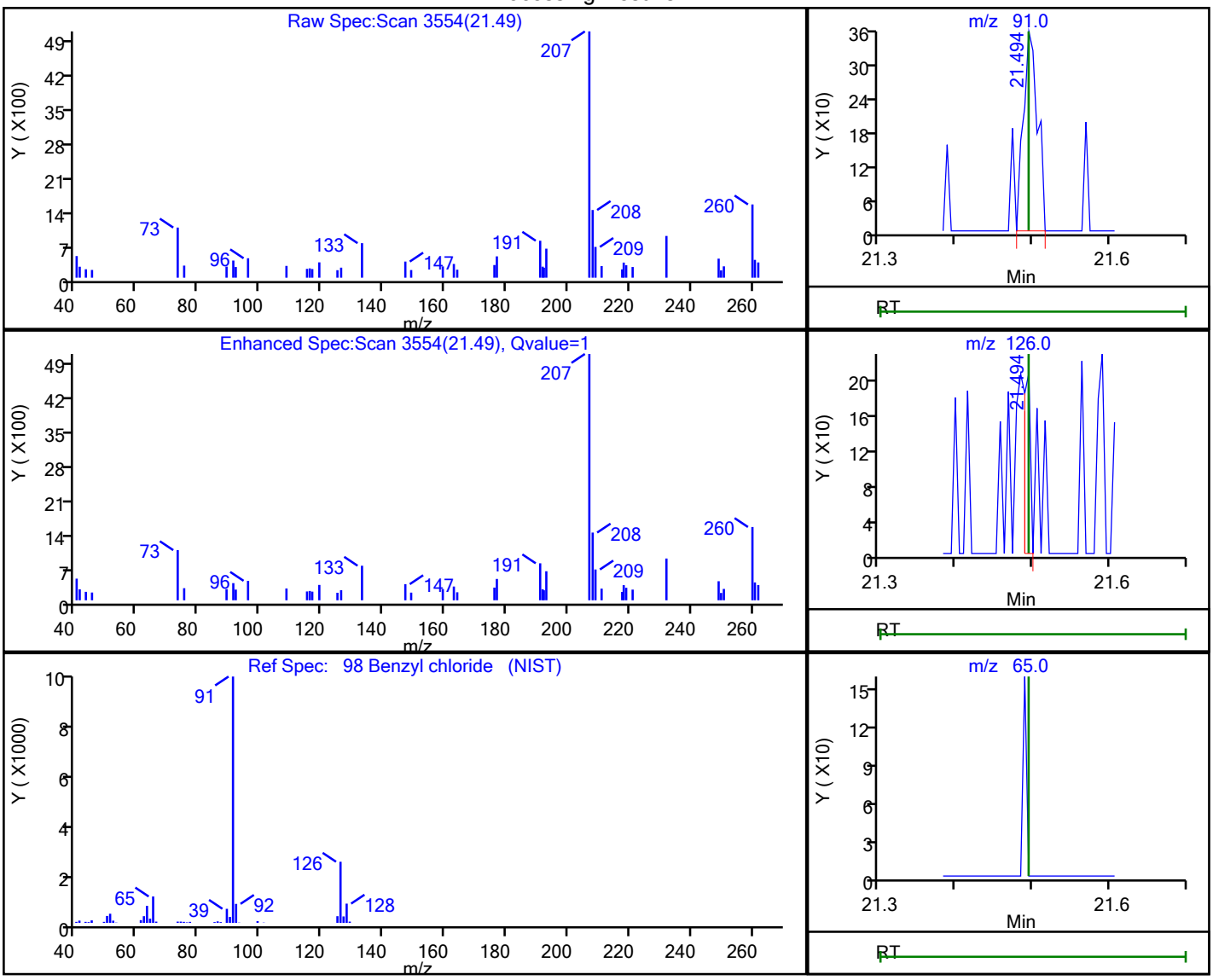
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

98 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
21.49	91.00	454	0.009502
21.49	126.00	125	
21.49	65.00	0	

Reviewer: bourdeaut, 03-May-2021 12:52:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

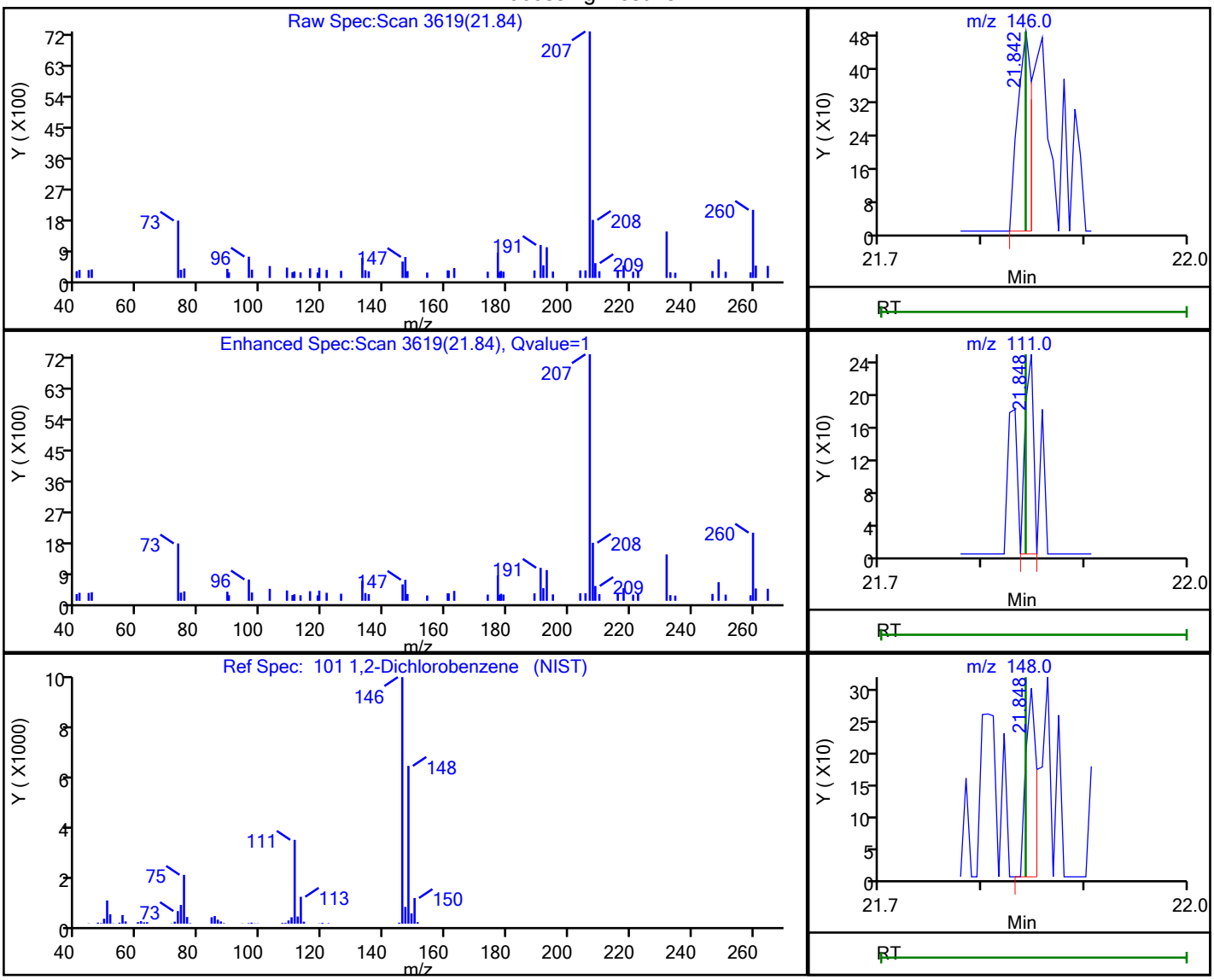
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
21.84	146.00	460	0.011777
21.85	111.00	142	
21.85	148.00	217	

Reviewer: bourdeaut, 03-May-2021 12:52:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

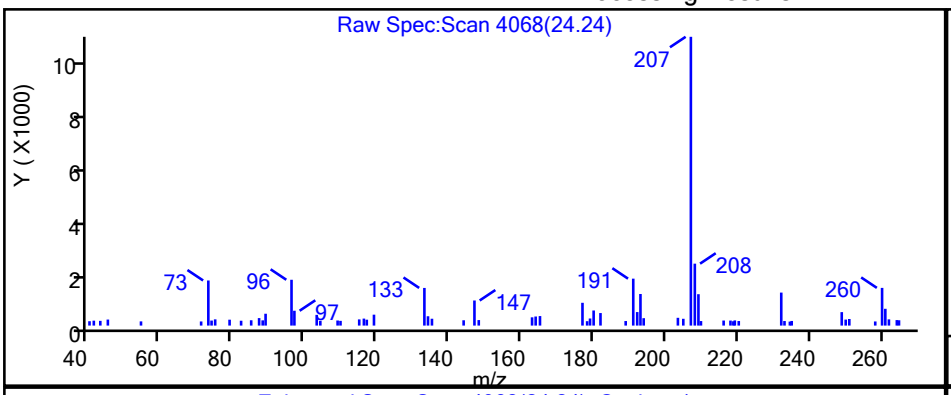
User Disabled Compound Report

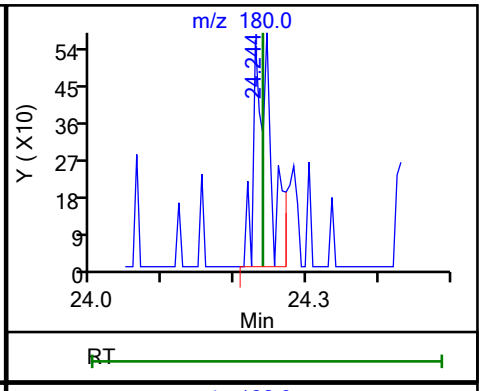
Eurofins TestAmerica, Burlington

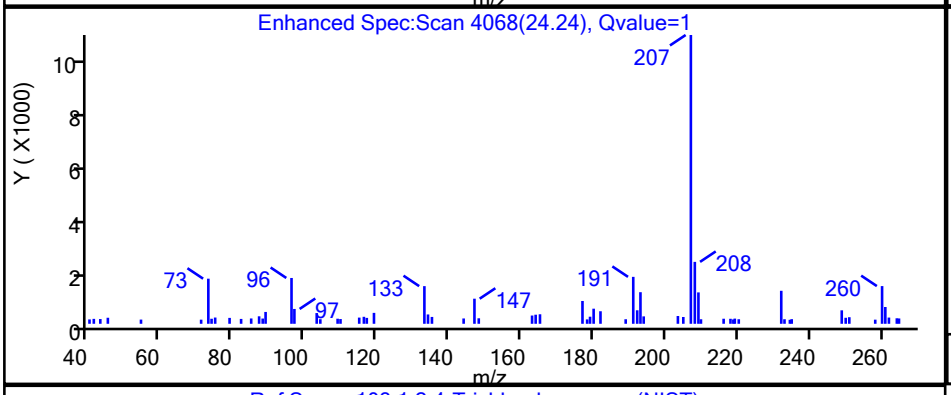
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210503-45799.b\200-45799-006.D				
Injection Date:	03-May-2021 12:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58276-A-4	Lab Sample ID:	200-58276-4		
Client ID:	5167				
Operator ID:	ggg	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

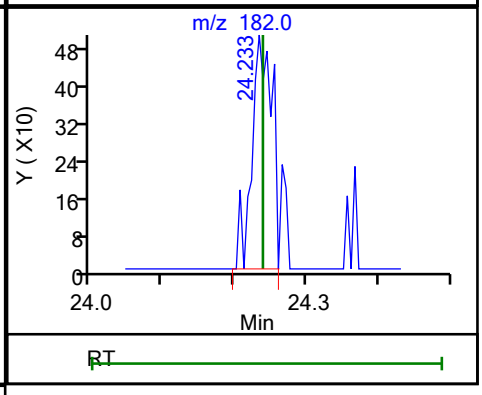
103 1,2,4-Trichlorobenzene, CAS: 120-82-1

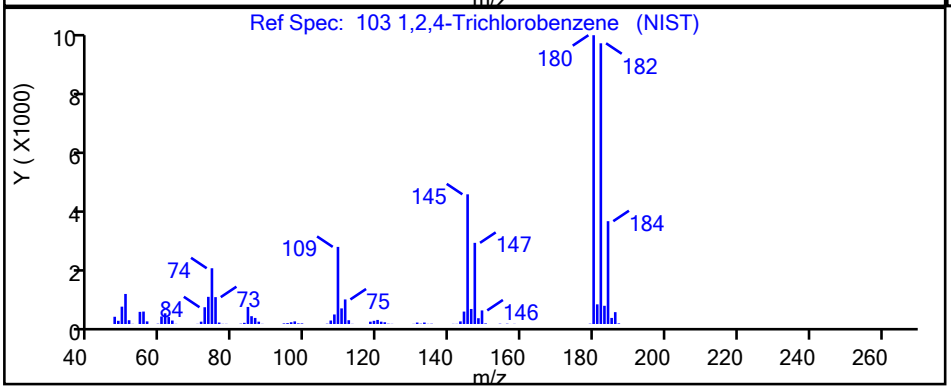
Processing Results











RT	Mass	Response	Amount
24.24	180.00	929	0.028088
24.23	182.00	996	

Reviewer: bourdeaut, 03-May-2021 12:52:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58302-1

SDG No.:

Client Sample ID: 4947 Lab Sample ID: 200-58302-5

Matrix: Air Lab File ID: 200-45837-005.D

Analysis Method: TO-15 Date Collected: 05/03/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/05/2021 11:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166529 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58302-1

SDG No.:

Client Sample ID: 4947 Lab Sample ID: 200-58302-5

Matrix: Air Lab File ID: 200-45837-005.D

Analysis Method: TO-15 Date Collected: 05/03/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/05/2021 11:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166529 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58302-1

SDG No.:

Client Sample ID: 4947 Lab Sample ID: 200-58302-5

Matrix: Air Lab File ID: 200-45837-005.D

Analysis Method: TO-15 Date Collected: 05/03/2021 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/05/2021 11:01

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 166529 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D
Lims ID: 200-58302-A-5
Client ID: 4947
Sample Type: Client
Inject. Date: 05-May-2021 11:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0045837-005
Operator ID: ggg Instrument ID: CHG.i

Method: \\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 06-May-2021 08:04:04 Calib Date: 30-Apr-2021 01:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20210429-45776.b\200-45776-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: puangmaleek Date: 06-May-2021 08:04:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.033				ND	
2 Dichlorodifluoromethane	85		3.091				ND	
3 Chlorodifluoromethane	51		3.107				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.295				ND	
5 Chloromethane	50		3.364				ND	7
7 Vinyl chloride	62		3.551				ND	
6 Butane	43		3.562				ND	7
8 Butadiene	54		3.626				ND	
10 Bromomethane	94		4.081				ND	
11 Chloroethane	64		4.263				ND	
13 Vinyl bromide	106		4.573				ND	
14 Trichlorofluoromethane	101		4.707				ND	
17 Ethanol	45		4.916				ND	
21 1,1-Dichloroethene	96		5.558				ND	
22 Acetone	43		5.574				ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.595				ND	
24 Isopropyl alcohol	45		5.809				ND	
23 Carbon disulfide	76		5.932				ND	
25 3-Chloro-1-propene	41		6.157				ND	7
27 Methylene Chloride	49		6.349				ND	7
28 2-Methyl-2-propanol	59		6.521				ND	
31 trans-1,2-Dichloroethene	61		6.847				ND	
29 Methyl tert-butyl ether	73		6.868				ND	7
33 Hexane	57		7.382				ND	
34 1,1-Dichloroethane	63		7.558				ND	
35 Vinyl acetate	43		7.569				ND	
38 2-Butanone (MEK)	72		8.484				ND	
37 cis-1,2-Dichloroethene	96		8.521				ND	7
39 Ethyl acetate	88		8.602				ND	
* 40 Chlorobromomethane	128	8.917	8.923	-0.006	84	115635	10.0	
41 Tetrahydrofuran	42		9.003				ND	
42 Chloroform	83		9.104				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 1,1,1-Trichloroethane	97		9.452				ND	
43 Cyclohexane	84		9.623				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	7
45 Carbon tetrachloride	117		9.757				ND	
47 Benzene	78		10.089				ND	U
48 1,2-Dichloroethane	62		10.137				ND	
46 Isooctane	57		10.394				ND	
49 n-Heptane	43		10.736				ND	7
* 50 1,4-Difluorobenzene	114	10.886	10.891	-0.005	95	678498	10.0	
53 Trichloroethene	95		11.383				ND	
54 1,2-Dichloropropane	63		11.860				ND	
55 Methyl methacrylate	69		11.999				ND	
57 Dibromomethane	174		12.020				ND	7
56 1,4-Dioxane	88		12.020				ND	
58 Dichlorobromomethane	83		12.373				ND	
60 cis-1,3-Dichloropropene	75		13.277				ND	
61 4-Methyl-2-pentanone (MIBK)	43		13.566				ND	
65 Toluene	92	13.999	13.999	0.000	2	793	0.0303	
66 trans-1,3-Dichloropropene	75		14.417				ND	
67 1,1,2-Trichloroethane	83		14.818				ND	
68 Tetrachloroethene	166		15.085				ND	
69 2-Hexanone	43		15.283				ND	7
71 Chlorodibromomethane	129		15.604				ND	
72 Ethylene Dibromide	107		15.850				ND	7
* 74 Chlorobenzene-d5	117	16.845	16.851	-0.006	88	611958	10.0	
75 Chlorobenzene	112		16.910				ND	
76 Ethylbenzene	91	17.145	17.140	0.005	91	2245	0.0372	
78 m-Xylene & p-Xylene	106		17.423				ND	
79 o-Xylene	106	18.231	18.231	0.000	10	605	0.0270	
80 Styrene	104		18.263				ND	
81 Bromoform	173		18.600				ND	
82 Isopropylbenzene	105		19.028				ND	
84 1,1,2,2-Tetrachloroethane	83		19.563				ND	7
S 73 Xylenes, Total	106				0		0.0270	
85 N-Propylbenzene	91		19.831				ND	7
89 2-Chlorotoluene	91		19.970				ND	7
88 4-Ethyltoluene	105		20.050				ND	7
90 1,3,5-Trimethylbenzene	105		20.162				ND	7
92 tert-Butylbenzene	119		20.681				ND	7
93 1,2,4-Trimethylbenzene	105		20.772				ND	7
94 sec-Butylbenzene	105		21.029				ND	7
96 1,3-Dichlorobenzene	146		21.189				ND	U
95 4-Isopropyltoluene	119		21.264				ND	7
97 1,4-Dichlorobenzene	146		21.339				ND	7
98 Benzyl chloride	91		21.484				ND	7
101 1,2-Dichlorobenzene	146		21.837				ND	U
100 n-Butylbenzene	91		21.842				ND	7
103 1,2,4-Trichlorobenzene	180		24.233				ND	U
104 Hexachlorobutadiene	225		24.501				ND	7
105 Naphthalene	128		24.672				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

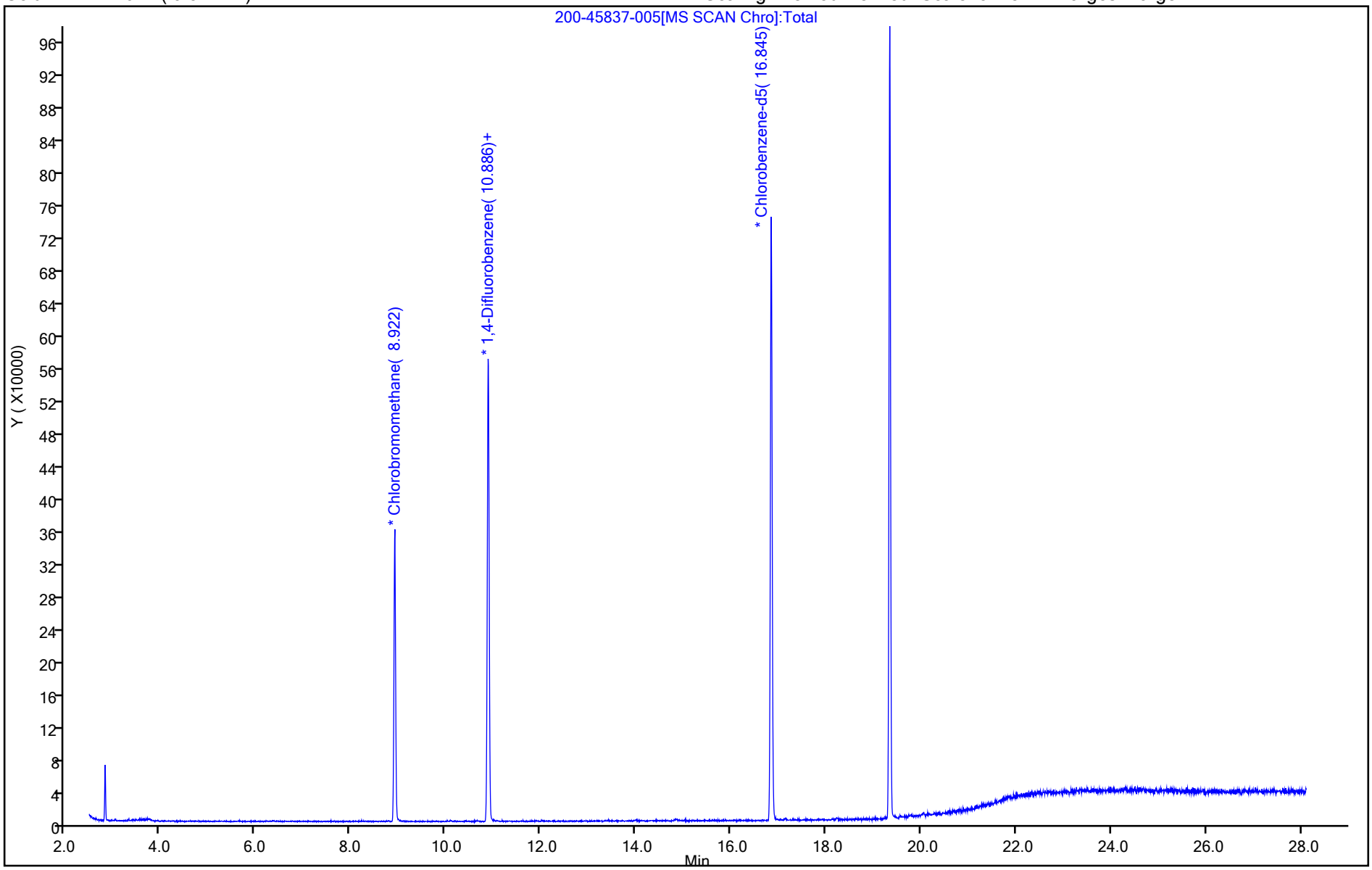
ATTO15GIS_00017	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 06-May-2021 08:04:05 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D				
Injection Date:	05-May-2021 11:01:30	Instrument ID:	CHG.i	Operator ID:	ggg
Lims ID:	200-58302-A-5	Lab Sample ID:	200-58302-5	Worklist Smp#:	5
Client ID:	4947				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



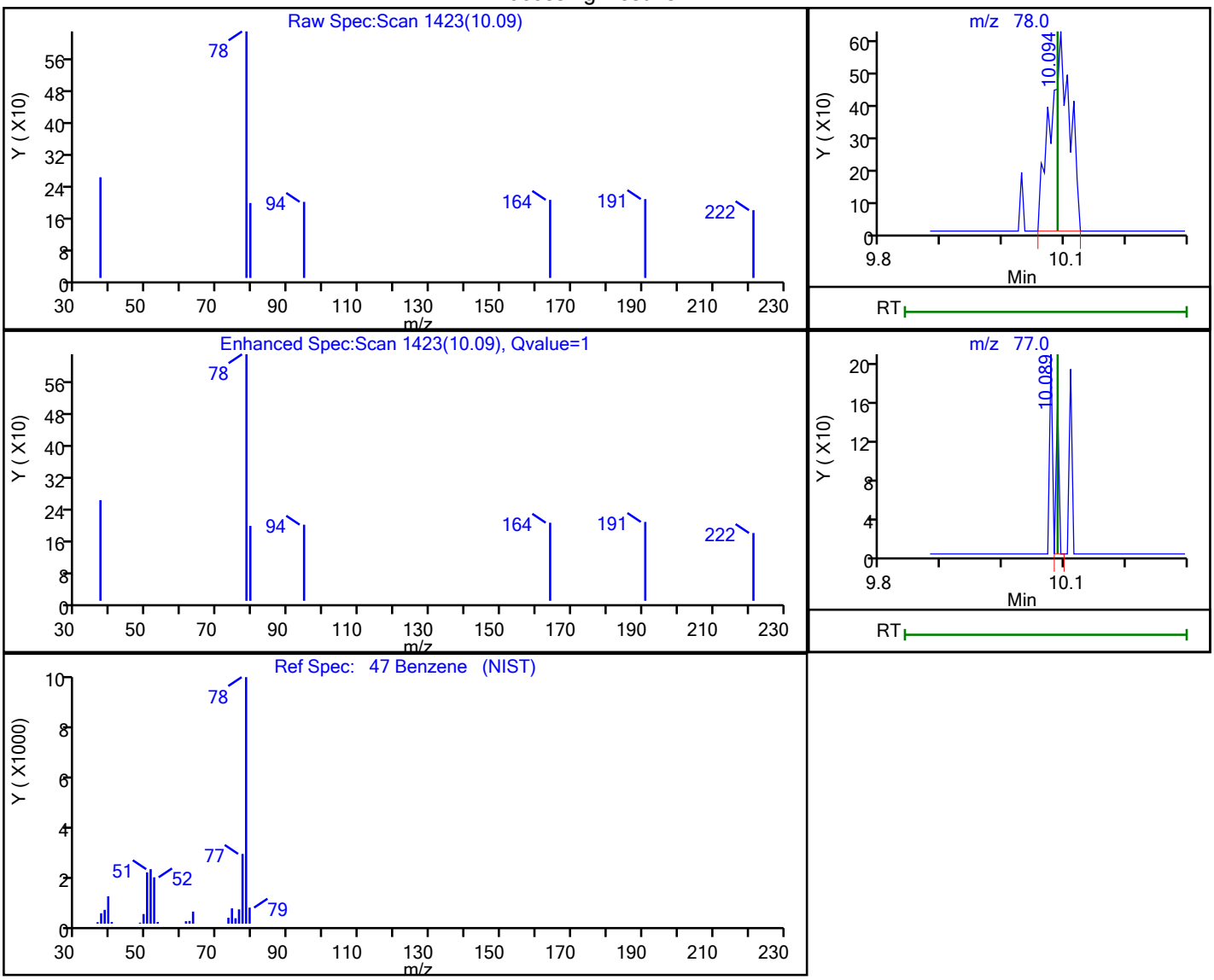
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D				
Injection Date:	05-May-2021 11:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58302-A-5	Lab Sample ID:	200-58302-5		
Client ID:	4947				
Operator ID:	ggg	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
10.09	78.00	1361	0.040785
10.09	77.00	50	

Reviewer: puangmaleek, 06-May-2021 08:03:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

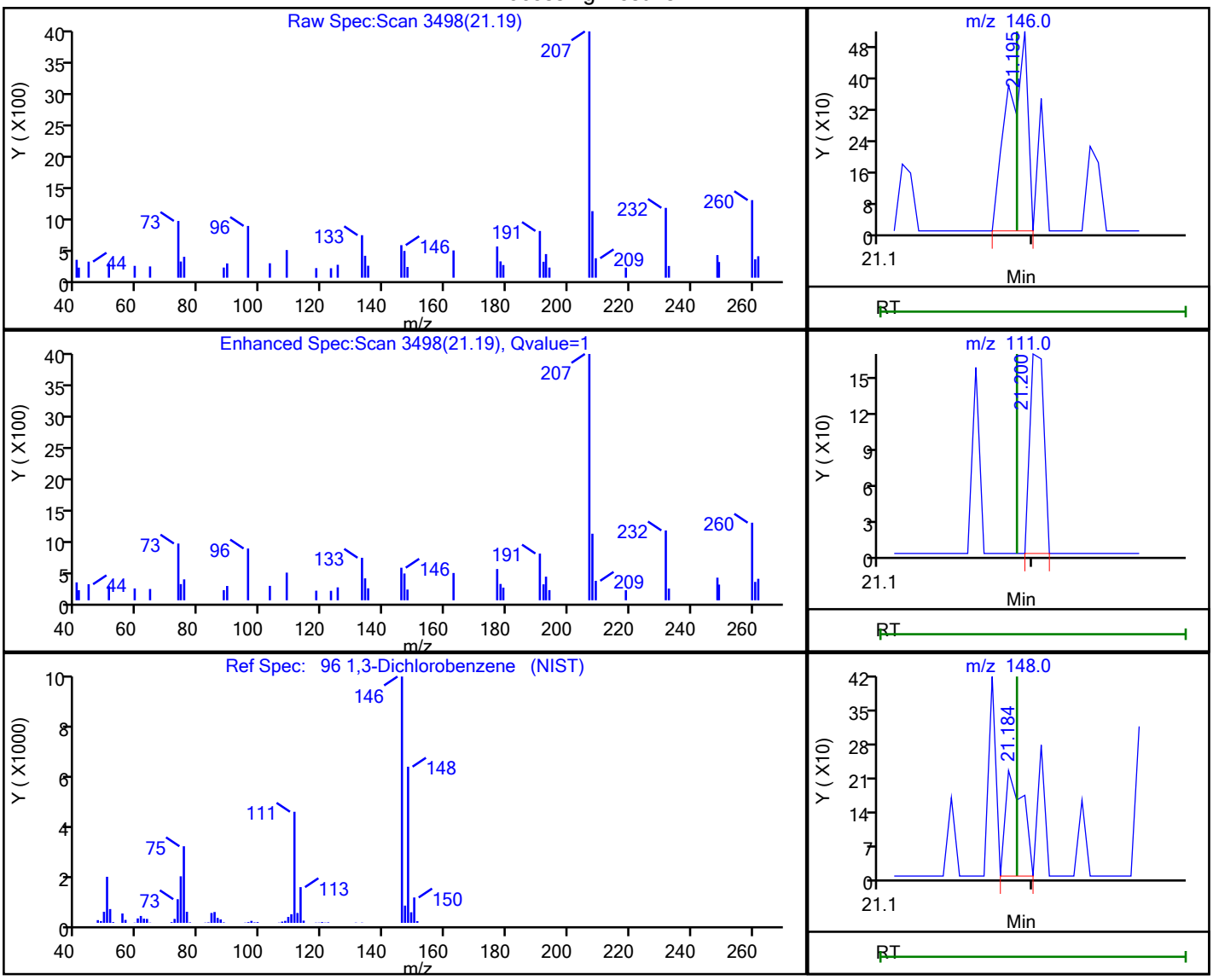
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D				
Injection Date:	05-May-2021 11:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58302-A-5	Lab Sample ID:	200-58302-5		
Client ID:	4947				
Operator ID:	ggg	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
21.19	146.00	449	0.011213
21.20	111.00	103	
21.18	148.00	177	

Reviewer: puangmaleek, 06-May-2021 08:03:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

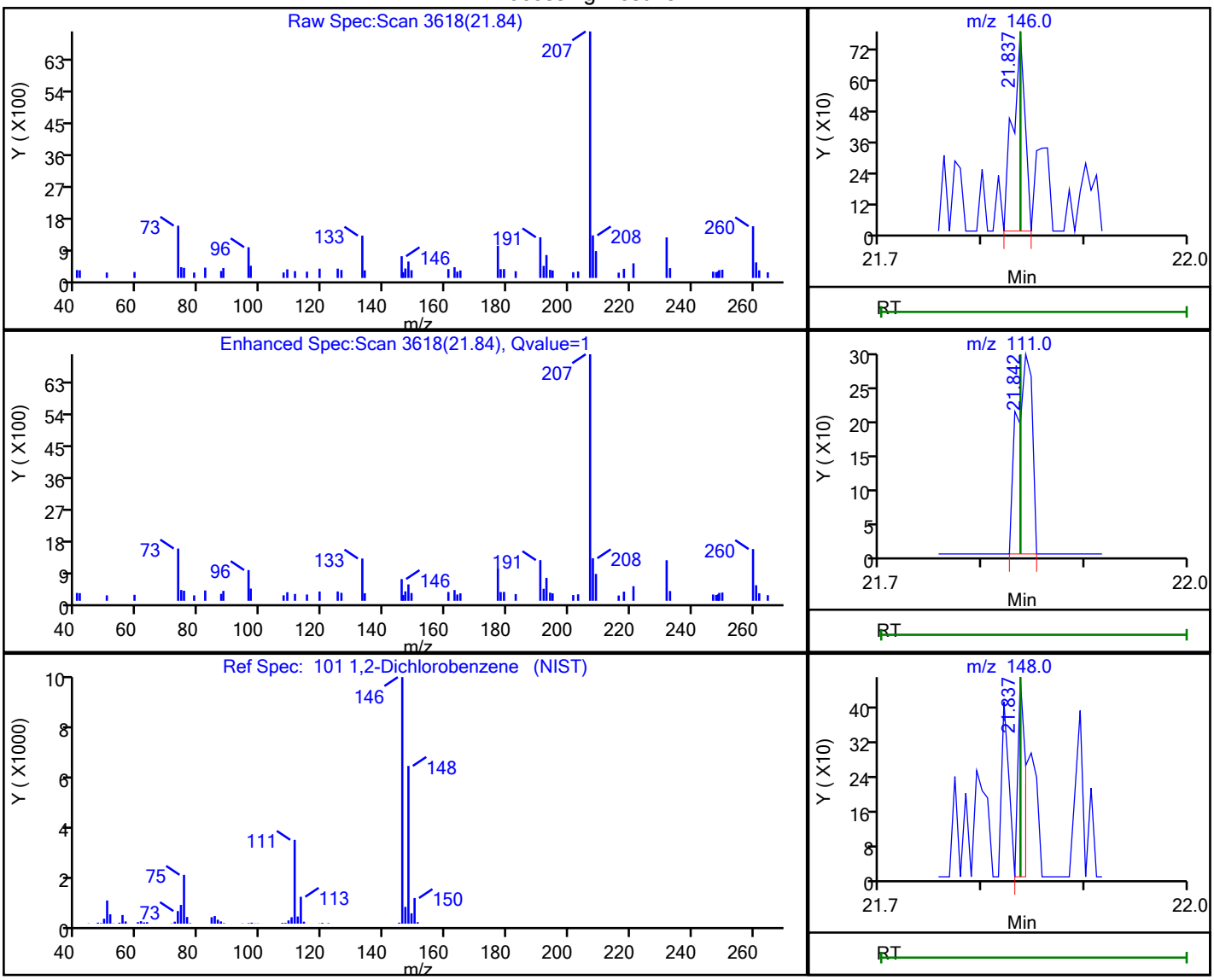
User Disabled Compound Report

Eurofins TestAmerica, Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D				
Injection Date:	05-May-2021 11:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58302-A-5	Lab Sample ID:	200-58302-5		
Client ID:	4947				
Operator ID:	ggg	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
21.84	146.00	647	0.015986
21.84	111.00	313	
21.84	148.00	234	

Reviewer: puangmaleek, 06-May-2021 08:03:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

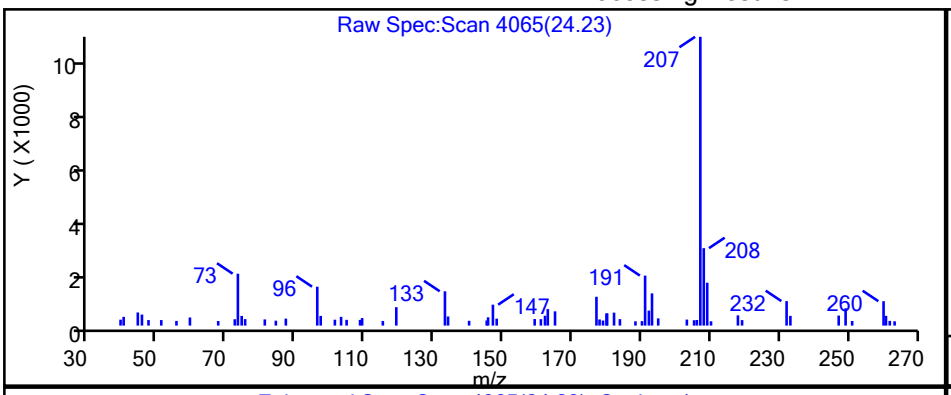
User Disabled Compound Report

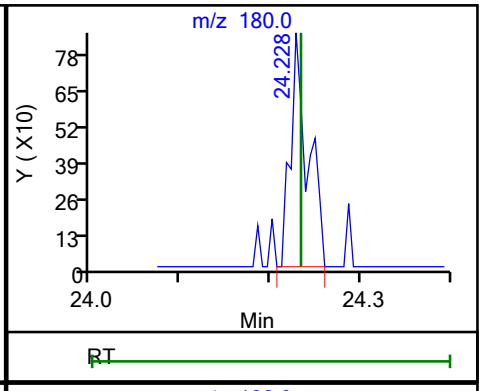
Eurofins TestAmerica, Burlington

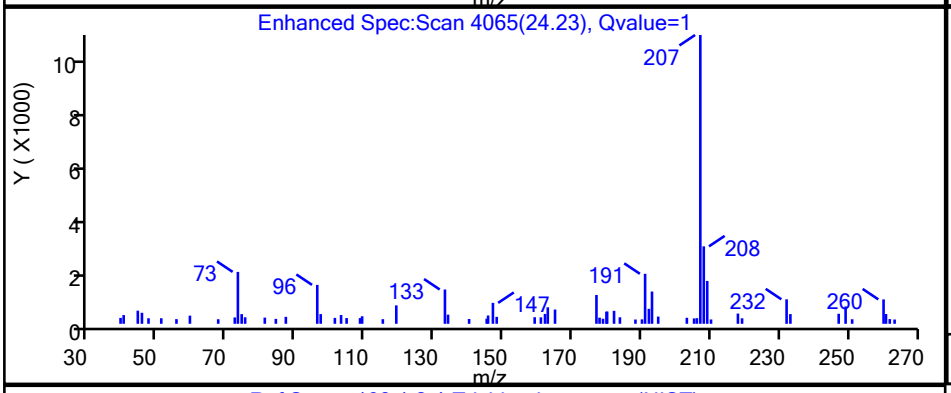
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20210505-45837.b\200-45837-005.D				
Injection Date:	05-May-2021 11:01:30	Instrument ID:	CHG.i		
Lims ID:	200-58302-A-5	Lab Sample ID:	200-58302-5		
Client ID:	4947				
Operator ID:	ggg	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

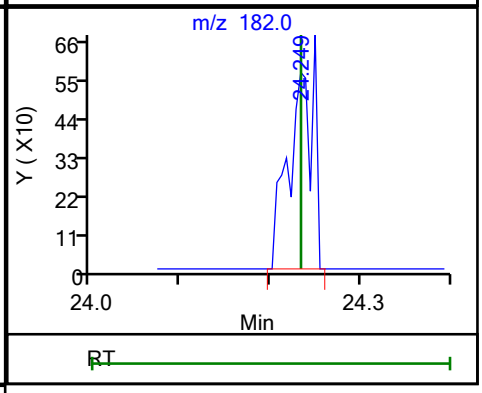
103 1,2,4-Trichlorobenzene, CAS: 120-82-1

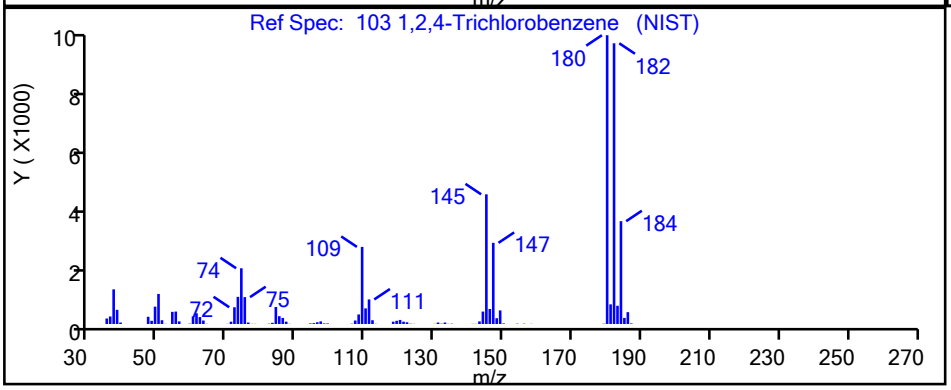
Processing Results











RT	Mass	Response	Amount
24.23	180.00	1159	0.033816
24.25	182.00	1124	

Reviewer: puangmaleek, 06-May-2021 08:04:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Attachment 2

Water Samples Laboratory Report

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-200471-1
Client Project/Site: 189597.0010 Phase 3, Task 1

For:
TRC Environmental Corporation
708 Heartland Trail
Suite 3000
Madison, Wisconsin 53717

Attn: Andy Stehn

Jodie Bracken

Authorized for release by:
6/23/2021 1:30:19 PM
Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

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

Table of Contents

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Job ID: 500-200471-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-200471-1

Comments
No additional comments.

Receipt
The samples were received on 6/9/2021 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.4º C.

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: Influent (500-200471-3). 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: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: W6R — Lab Sample ID: 500-200471-1

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

Client Sample ID: W25 — Lab Sample ID: 500-200471-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.76	J	1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	7.4		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: Influent — Lab Sample ID: 500-200471-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.9		2.5	0.82	ug/L	5		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-200471-4

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

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: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-200471-1	W6R	Water	06/08/21 07:25	06/09/21 10:25	
500-200471-2	W25	Water	06/08/21 08:00	06/09/21 10:25	
500-200471-3	Influent	Water	06/08/21 08:30	06/09/21 10:25	
500-200471-4	Trip Blank	Water	06/08/21 07:00	06/09/21 10:25	

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: W6R
Date Collected: 06/08/21 07:25
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/20/21 12:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/20/21 12:44	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			06/20/21 12:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/20/21 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/20/21 12:44*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/20/21 12:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/20/21 12:44*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/20/21 12:44*	*1*

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: W25
Date Collected: 06/08/21 08:00
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**0.76**	**J**	1.0	0.41	ug/L			06/20/21 13:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/20/21 13:08	1
Trichloroethene	**7.4**		0.50	0.16	ug/L			06/20/21 13:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/20/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*06/20/21 13:08*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/20/21 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*06/20/21 13:08*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/20/21 13:08*	*1*

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: Influent

Date Collected: 06/08/21 08:30
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<2.0		5.0	2.0	ug/L			06/20/21 13:33	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			06/20/21 13:33	5
Trichloroethene	**2.9**		2.5	0.82	ug/L			06/20/21 13:33	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			06/20/21 13:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/20/21 13:33*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/20/21 13:33*	*5*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*06/20/21 13:33*	*5*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/20/21 13:33*	*5*

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: Trip Blank
Date Collected: 06/08/21 07:00
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/20/21 09:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/20/21 09:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/20/21 09:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/20/21 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*06/20/21 09:23*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*06/20/21 09:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/20/21 09:23*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*06/20/21 09:23*	*1*

Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

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: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

GC/MS VOA

Analysis Batch: 605099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200471-1	W6R	Total/NA	Water	8260B	
500-200471-2	W25	Total/NA	Water	8260B	
500-200471-3	Influent	Total/NA	Water	8260B	
500-200471-4	Trip Blank	Total/NA	Water	8260B	
MB 500-605099/5	Method Blank	Total/NA	Water	8260B	
LCS 500-605099/6	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

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)
500-200471-1	W6R	104	104	101	95
500-200471-2	W25	111	100	97	98
500-200471-3	Influent	101	101	99	97
500-200471-4	Trip Blank	112	95	91	99
LCS 500-605099/6	Lab Control Sample	96	101	97	100
MB 500-605099/5	Method Blank	113	100	95	97

Surrogate Legend

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

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

Lab Sample ID: MB 500-605099/5
Matrix: Water
Analysis Batch: 605099

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/20/21 08:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/20/21 08:58	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/20/21 08:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/20/21 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*06/20/21 08:58*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/20/21 08:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/20/21 08:58*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/20/21 08:58*	*1*

Lab Sample ID: LCS 500-605099/6
Matrix: Water
Analysis Batch: 605099

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
Trichloroethene	50.0	46.3		ug/L		93	70 - 125
Vinyl chloride	50.0	57.2		ug/L		114	64 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 189597.0010 Phase 3, Task 1

Job ID: 500-200471-1

Client Sample ID: W6R
Date Collected: 06/08/21 07:25
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	605099	06/20/21 12:44	PMF	TAL CHI

Client Sample ID: W25
Date Collected: 06/08/21 08:00
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	605099	06/20/21 13:08	PMF	TAL CHI

Client Sample ID: Influent
Date Collected: 06/08/21 08:30
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	605099	06/20/21 13:33	PMF	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 06/08/21 07:00
Date Received: 06/09/21 10:25

Lab Sample ID: 500-200471-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	605099	06/20/21 09:23	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: TRC Environmental Corporation
Job ID: 500-200471-1
Project/Site: 189597.0010 Phase 3, Task 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

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
	Tom Dushek	Fredrick Sandie	718254944585O	500-92190-41092 1
Client Contact: Andy Stehn	Phone: 608 - 509 - 6007	E Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 1
Company: TRC Environmental Corporation	PWS D			Job #: 500 - 200471

Address	Due Date Requested	Analysis Requested
708 Heartland Trail Suite 3000		
City: Madison	TAT Requested (days)	
State Zip: WI 53717	Compliance Project. Δ Yes Δ No	
Phone	PO #: Purchase Order Requested	
Email: AStehn@trccompanies.com	WO #:	
Project Name: 189597 0010 Phase 3 Task 1	Project #: 50017486	
Site: Waukesha	SSOW#:	

500-200471 COC

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC TO15	Total Number of containers	Special Instructions/Note
				Preservation Code:				A		TCE, cis & trans 1,2-DCE, vinyl chloride
1	W6R	6-8-21	0725	G	Water	N	N	✓	3	Report list above
2	W25		0800		Water	N	N	✓	3	
3	Influent		0830		Water	N	N	✓	3	
4	Trip Blank		0700		Water	N	N	✓	1	
					Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tom Dushek	6-8-21 1600	TRC	Paula Buckley	6/9/21 1025	EPA CHI
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Yes Δ No	Custody Seal No	Cooler Temperatures and Other Remarks
		5.7→5.4

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-200471-1

Login Number: 200471
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	5.4
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	

Attachment 3

3M Closure Request Information

GIS REGISTRY INFORMATION

SITE NAME: 3M Wausau Downtown Parking Lot

BRRTS #: 02-37-000273 **FID #:** 737009460

COMMERCE # (if appropriate**):**

CLOSURE DATE: 04/24/2008

STREET ADDRESS: 144 Rosecrans Street

CITY: Wausau

SOURCE PROPERTY Locational COORDINATES (meters in WTM91 projection)**:** **X=** 548581 **Y=** 497358

CONTAMINATED MEDIA:	Groundwater		Soil		Both	X

OFF-SOURCE GW CONTAMINATION >ES: [X] **Yes** [ ] **No**

IF YES, STREET ADDRESS 1: 910 Cleveland Avenue

Locational COORDINATES (meters in WTM91 projection)**:** **X=** 548684 **Y=** 497373

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] **Yes** [X] **No**

IF YES, STREET ADDRESS 1:

Locational COORDINATES (meters in WTM91 projection)**:** **X=** **Y=**

CONTAMINATION IN RIGHT OF WAY: [X] **Yes** [ ] **No**

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	X
Copy of (soil or land use) deed notice *if any required as a condition of closure*	NA
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14'', if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI) (*8.5x14" if paper copy*)*.** The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	NA
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	NA
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy**)**	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

Wausau Service Center
5301 Rib Mountain Rd.
Wausau, Wisconsin 54401
Telephone 715-359-4255
FAX 715-355-5253
TTY Access via relay - 711

April 24, 2008

BRRTS #02-37-000273

FILE COPY

MS KATIE WINOGRODZKI
3M ENVIRONMENTAL TECHNOLOGY & SERVICES
3M CENTER BUILDING 42-2E-27
PO BOX 33331
ST PAUL, MN 55133-3331

Subject: Final Case Closure with Conditions Met, 3M Downtown Parking Lot, 144 Rosecrans Street, Wausau, Wisconsin

Dear Ms. Winogrodzki:

On July 14, 2005, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The Department of Natural Resources reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On July 21, 2005, you were notified that conditional closure was granted to this case.

On July 20, 2006 monitoring well abandonment documentation was submitted and the maintenance plan was submitted in March. By submittal of these documents you have complied with the requirements of closure.

In May 2006, Governor Doyle signed Brownfield's legislation that included a provision to stop using deed restrictions at closure. Therefore even though you have completed your deed restriction, you are not required to record it. You still need to meet the conditions of the restriction which included maintaining the cover on the site and receiving approval from the Department before initiating for following activities. They include: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

Based on the correspondence and data provided, it appears that you case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. **The Department considers this case closed and no further investigation, remediation or other action is required at this time.**

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://dnr.wi.gov/org/aw/rr/gis/index.htm If your property is listed on the GIS Registry and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s.NR 812.09(4)(w) Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed

and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 359-6514.

Sincerely,

Lisa Gutknecht

Lisa Gutknecht
Bureau for Remediation & Redevelopment

c: Jennine Cota Trask/Marie Hull, ARCADIS
Bob Brandt, Wauleco

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Scott Humrickhouse, Regional Director

Wausau Service Center
5301 Rib Mountain Drive
Wausau, Wisconsin 54401
Telephone 715-359-6514
FAX 715-355-5253
TTY Access via relay - 711

July 21, 2005

BRRTS #02-37-000273

MS KATIE WINOGRODZKI
3M ENVIRONMENTAL TECHNOLOGY & SERVICES
3M CENTER BUILDING 42-2E-27
PO BOX 33331
ST PAUL , MN 55133-3331

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
3M Downtown Parking Lot, 144 Rosecrans Street, Wausau, Wisconsin

Dear Ms. Winogrodzki:

On July 14, 2005, the West Central Regional Closure Committee reviewed your request for closure of the case described above. The Department of Natural Resources reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the chlorinated solvent contamination on the site from beneath the parking lot appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Lisa Gutknecht on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources.

DEED RESTRICTION FOR CONTAMINATED SOIL

To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to maintain a surface barrier over the remaining soil contamination to:

(A) prevent contamination from impacting human health through direct contact.
(B) prevent contamination from impacting groundwater due to the infiltration of

precipitation. (See Option 3 in the model deed restriction in the appendix of PUB-RR-606, "Guidance on Case Close Out and the Requirements for Institutional Controls and VPLE Environmental Insurance.")

You will need to submit a draft deed restriction to me before the document is signed and recorded. You may find a model deed restriction enclosed for your use or you can visit our web

site at www.dnr.state.wi.us/org/aw/rr to find an electronic copy of PUB-RAR_606, which includes a model deed restriction. To assist us in our review of the deed restriction, you should submit a copy of the property deed to me along with the draft document. After the Department of Natural Resources has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Marathon County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description or parcel identification number that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

MAINTENANCE PLAN

As a condition of this closure, the (i.e. asphalt) at the site must be maintained to minimize direct contact concerns and/or for groundwater protection. The cover is to be maintained in accordance with a plan prepared and submitted to the Department of Natural Resources pursuant to s. NR 724.13(2), Wis. Adm. Code. Submit a draft maintenance plan to me with the draft deed restriction.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit http://maps.dnr.state.wi.us/brrts.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 359-6514.

Sincerely,

Lisa Gutknecht

Lisa Gutknecht
Bureau for Remediation & Redevelopment

Enclosure

cc: ARCADIS
Bob Brandt, Wauleco

02-37-000273

ARCADIS
Infrastructure, environment, facilities

REC'D JUL 16 2008

ARCADIS
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414.276.7742
Fax 414.276.7603
www.arcadis-us.com

Lisa Gutknecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, WI 54401

Subject:
Soil Excavation Activities, 3M Company Wausau Facility (Facility) Former Parking Lot, Wausau, Wisconsin.

ENVIRONMENT

Date:
July 14, 2008

Contact:
Jennine Trask

Phone:
414-277-6203

Email:
jennine.trask@arcadis-us.com

Our ref:
WI001155.0002

Dear Ms. Gutknecht:

During the summer of 2007, 3M Company (3M) relocated the employee parking and expanded the existing railroad tracks that operate in the western portion of the Facility through the former Parking Lot area (Figure 1). The site activities were completed in accordance with the Wisconsin Department of Natural Resources (WDNR) approved 3M Parking Lot Cap Maintenance Plan (Cap Maintenance Plan) dated March 15, 2006. This letter serves to document the activities to the WDNR.

In October 2006, ARCADIS completed a limited soil investigation in the area of the proposed expansion in order to profile the soil for future disposal. A profile was setup with Veolia ES Solid Waste, Inc. (Veolia) – formerly Onyx Cranberry Creek Landfill, LLC – in Wisconsin Rapids, Wisconsin.

Excavation in the former parking lot area was completed July 18-20, 2007 to provide a suitable base for the proposed railroad track expansion. All contractors performing work in this area were given a copy of the Cap Maintenance Plan prior to commencement of work activities. ARCADIS was present during the excavation and removal of trichloroethene-impacted soil from the former parking lot area to ensure compliance with the Cap Maintenance Plan. The excavation extended approximately 420 feet (ft) from West Rosecrans Street to West Thomas Street and was approximately 60 ft wide and 2 ft deep (Figure 2). Riverview Construction (Riverview) performed the excavation and transportation of all materials required for removal from the site. The asphalt pavement was removed for recycling at American Asphalt (Mosinee, Wisconsin). The soil was excavated and loaded directly into trucks for transportation and disposal at Veolia. A total of 3,080 tons of soil was taken off site for disposal.

After the soil removal, Riverview placed down filter fabric in the excavation and backfilled with crushed stone. The railroad tracks were then installed by Wisconsin Rail and Steel. Following completion of the railroad track placement, the area was repaved up to and in between the tracks (typical of a railroad track installation for a road crossing) to maintain the cap for the site. The final site conditions are illustrated in Photographs 1 and 2. The new cap will continue to be maintained in accordance with the Cap Maintenance Plan.

We trust this information will meet your needs. If you have any questions or require further information, please contact the undersigned.

Sincerely,

ARCADIS

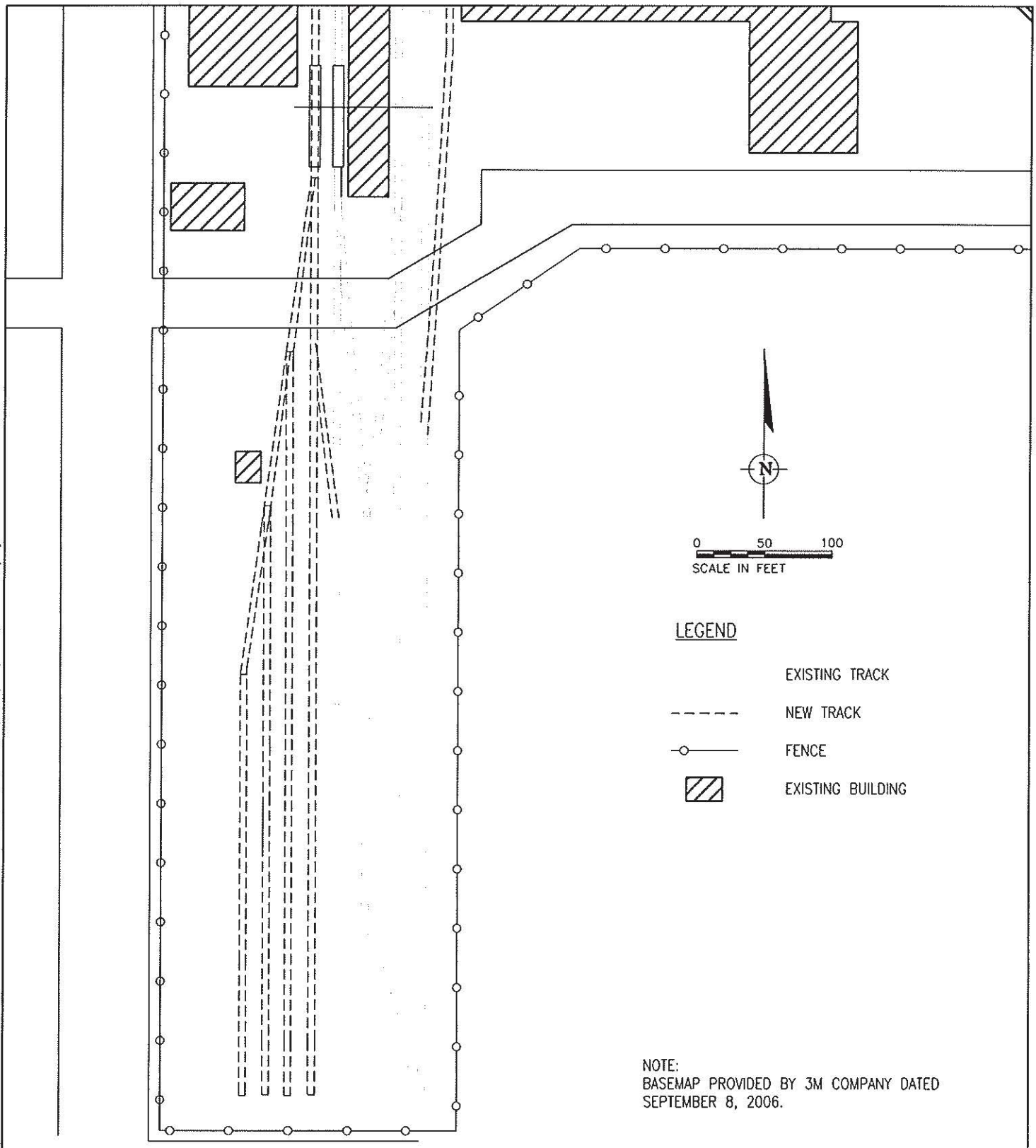
Marie M. Venne

Marie M. Venne, PE
Environmental Engineer

Jennine L. Trask RLS FOR

Jennine L. Trask, PE
Senior Engineer

Copies:
Michelle Dupey – 3M Company, Wausau
Justin Pettinelli – 3M Company, St. Paul



NOTE:
BASEMAP PROVIDED BY 3M COMPANY DATED SEPTEMBER 8, 2006.

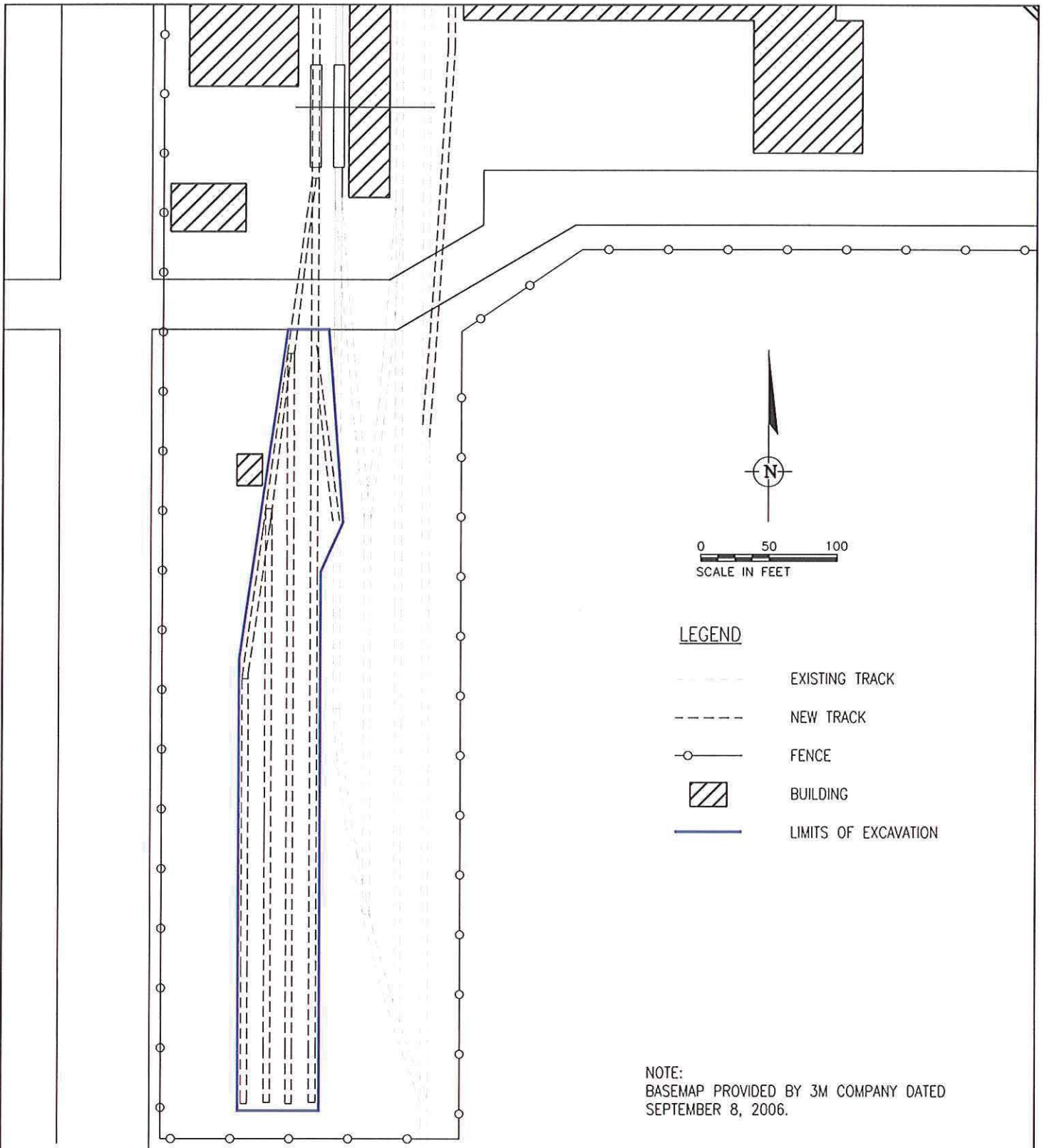
Operations Manager	R. STUDEBAKER
Project Manager	J. TRASK
Task Manager	M. VENNE
Technical Review	J. TRASK

ARCADIS
126 North Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

RAILROAD TRACK EXPANSION

3M COMPANY PARKING LOT
WAUSAU, WI

Project Number	WI001155
Drawing Date	JUNE 19, 2008
Figure	1



NOTE:
BASEMAP PROVIDED BY 3M COMPANY DATED SEPTEMBER 8, 2006.

Operations Manager	R. STUDEBAKER
Project Manager	J. TRASK
Task Manager	M. VENNE
Technical Review	J. TRASK

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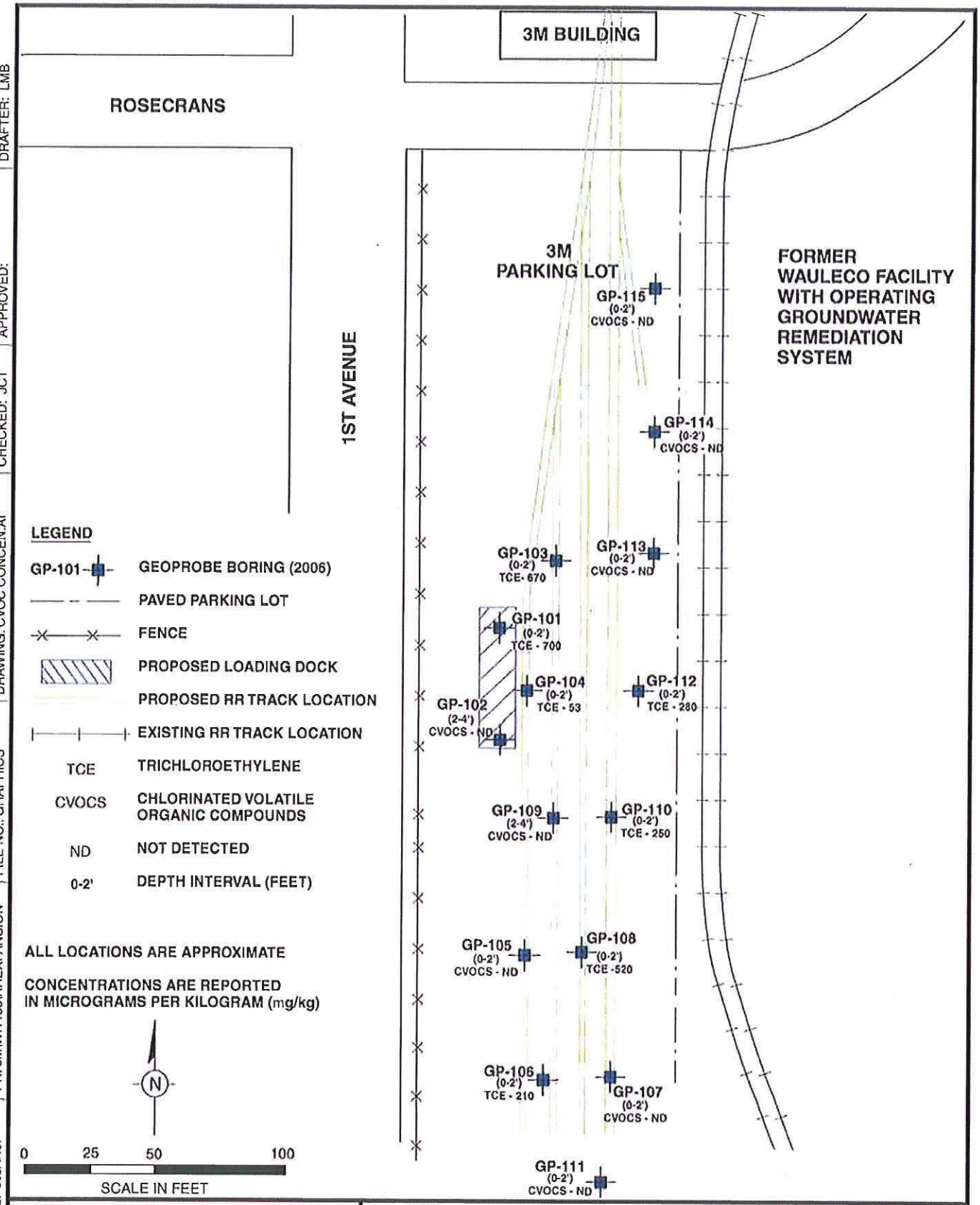
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

EXCAVATION LOCATION

3M COMPANY PARKING LOT
WAUSAU, WI

Project Number	WI001155
Drawing Date	JUNE 19, 2008
Figure	2

User Name : mvenne
Acad Version : R17.0s (LMS Tech)
Current Plotstyle : ByColor
Date\Time : Mon, 14 Jul 2008 - 12:03pm
Page Setup: -----
Pen Table: BLACKGRAY-THIN.ctb
Layout Tab: FIG2
Path\Name : G:\Aproject\JM\WI1155\RRExpansion\CADD\Track Expansion Summary.dwg



DRAFTER: LMB | APPROVED: | CHECKED: JCT | DRAWING: CVOC CONCEN.AI | FILE NO.: GRAPHICS | PN: 3M\WI1155\RREXPANSION | DWG DATE: 30JAN07

ARCADIS

LATERAL EXTENT OF CVOC CONCENTRATIONS IN SOIL

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
1

3M Parking Lot Cap Maintenance Plan

March 15, 2006

Property Located at:

3M Company Parking Lot
144 Rosecrans Street
Wausau, WI 54402

BRRTS #02-37-000273

PIN #291-2907-354-0974, 291-2907-354-0329

This Cap Maintenance Plan, in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code, shall be applicable to the site, which is described as that parcel of property described in Exhibit 1 and depicted on Exhibit 2, which is attached hereto and made a part hereof ("Property"). A copy of this Cap Maintenance Plan shall at all times be kept on file in the offices of: (1) the Wisconsin Department of Natural Resources, Westcentral Region; (2) the owner of the Property, its successors and assigns (hereinafter identified collectively as the "Owner"); (3) the Property manager, if any; and (4) the Property. Owner shall make the Cap Maintenance Plan available to contractors, utilities, and maintenance personnel and any other public or private persons or entities authorized to perform work at the Property.

The Cap, which is the subject of this Cap Maintenance Plan, is the approved impervious barrier consisting of the asphalt parking lot and building placed over the Unsaturated Soils. The Unsaturated Soils are hereby defined as the full depth of soils, extending from the ground surface to approximately 25.5 feet to 31.0 feet below ground surface. Impervious Barrier is hereby defined as the asphalt surface and building placed over the Unsaturated Soils to function as a barrier to surface water infiltration, subsurface vapor migration, and to limit direct contact exposure.

The purpose of this Cap Maintenance Plan is to ensure the continued effectiveness of the Cap constructed at the Property as an Impervious Barrier, protective of public health and safety. The plan will ensure that the Cap continues to function as a barrier to surface water infiltration, direct contact exposure, and subsurface vapor migration at the Property and remain an integral component of Property-wide groundwater remediation.

The Wisconsin Department of Natural Resources and its successor and assigns (hereinafter identified collectively as the "Department") shall be notified of any activity, which is not in accordance with the deed restriction and this Cap Maintenance Plan.

Required Activities

Annual Inspections. Not less than annually and normally in spring after all snow and ice is gone, the Property shall be inspected by the Owner to ensure that the integrity of the Impervious Barrier is maintained and that no significant fissures, cracks, or other potential problems develop in the asphalt cap or building, which would allow a materially significant increase in the infiltration and percolation of precipitation or surface water into the Unsaturated Soils. Any disturbances of the Impervious Barrier or significant fissures or cracks in the asphalt cap shall be noted. Upon completion of the inspection by the Owner, a brief report shall be prepared which identifies the date of the inspection, the individuals conducting the inspection, and any significant disturbances, fissures, or cracks in the Impervious Barrier. A copy of the inspection report shall be forwarded to the Department unless otherwise directed in the

case closure letter and shall be maintained on file by the Owner, the Property manager, if any, and at the Property.

Repairs to Capped Area. If, during the annual inspection or other routine inspections of the Property, the Impervious Barrier is observed to have been disturbed or significant fissures or cracks are observed in the asphalt cap, the Owner shall arrange to have repairs made to such areas, in a manner consistent with this Cap Maintenance Plan. Such repairs shall be carried out within a reasonable period of time, not to exceed 120 days, subject to weather and seasonal considerations.

Restricted Activities

The following activities must comply with all listed requirements, and may require prior approval from the Department:

1. **Construction or Installation of Buildings, Structures or Other Improvements.** Buildings, structures or other improvements may be constructed or installed on the Property using footings or other foundations in the following manner:

   A) The contractor performing the work shall be provided with a copy of this Cap Maintenance Plan by Owner and shall prepare a health and safety plan, appropriate to the work being performed.

   B) All materials used in pavement or foundation shall not contain any hazardous substances which are leachable. Any Unsaturated Soils or granular layer materials which are excavated shall be transferred to appropriate 55-gallon drums for storage, and shall be managed in accordance with state law. Any such excavation of Unsaturated Soils or granular layer materials shall be conducted in accordance with the health and safety plan, and all such excavated Unsaturated Soils or granular layer materials shall be kept on-site until completion of the work.

   C) Upon completion of the work, clean soil or granular layered material shall be used to bring the excavation back to grade. The area of the excavation shall be restored in a manner consistent with the original Cap condition. All excavated soils shall be properly characterized and managed in accordance with state law with notice to the Department.

   D) A memorandum report shall be prepared describing the work performed, identifying the person(s) performing the work and the date of the work, and confirming that the Cap Maintenance Plan was adhered to in completion of the work. A copy of the report shall be kept on file by the Owner and the Property manager, if any, and shall be filed with the Department.

2. **Replacement and Repair of Impervious Barrier.** If it becomes necessary or desirable to replace or repair the asphalt cap, the repair or replacement shall be undertaken in the following manner:

   A) The contractor performing the work shall be provided with a copy of this Cap Maintenance Plan by Owner and shall prepare a health and safety plan, appropriate to the work being performed.

   B) All materials used in pavement or foundation shall not contain any hazardous substances which are leachable. Any Unsaturated Soils or granular layer materials which are excavated shall be transferred to appropriate 55-gallon drums for storage, and shall be managed in accordance with state law. Any such excavation of Unsaturated Soils or

granular layer materials shall be conducted in accordance with the health and safety plan, and all such excavated Unsaturated Soils or granular layer materials shall be kept on site until completion of the work.

C) Upon completion of the work, clean soil or granular layered material shall be used to bring the excavation back to grade. The area of the excavation shall be restored in a manner consistent with the original Cap condition. Any replacement barrier must be equally impervious or better. All excavated soils shall be properly characterized and managed in accordance with state law with notice to the Department.

D) A memorandum report shall be prepared describing the work performed, identifying the person(s) performing the work and the date of the work, and confirming that the Cap Maintenance Plan was adhered to in completion of the work. A copy of the report shall be kept on file by the Owner, the Property manager, if any, and at the property, and shall be filed with the Department.

3. **Utility Installations or Repairs.** No utility repairs or installation of new or replacement utilities shall be conducted on the Property until after the utility and any contractor(s) for the utility have acknowledged receipt of a copy of this Cap Maintenance Plan. The utility repairs or installation(s) shall be conducted in strict conformance with the standards set forth below with respect to excavations into and/or beneath the Cap, such excavations are to be undertaken in the following manner:

A) The contractor performing the work shall be provided with a copy of this Cap Maintenance Plan by Owner and shall prepare a health and safety plan, appropriate to the work being performed.

B) Any Unsaturated Soils or granular layer materials, which are excavated, shall be transferred to appropriate 55-gallon drums for storage, and shall be managed in accordance with state law. Any such excavation of Unsaturated Soils or granular layer materials shall be conducted in accordance with the health and safety plan, and all such excavated Unsaturated Soils or granular layer materials shall be kept on site until completion of the work.

C) Upon completion of the work, clean soil or granular layered material shall be used to bring the excavation back to grade. All materials used in backfill shall not contain any hazardous substances which are leachable. The area of the excavation shall be restored in a manner consistent with the original Cap condition. All excavated soils and groundwater affected by such activities shall be properly characterized and managed in accordance with state law with notice to the Department.

D) If the utility installation or construction involves any disturbance of the seals used to seal the entrance of utility lines and the structures on the Property, such seals shall be replaced with new seals of like or superior quality.

E) The utility shall prepare a memorandum report describing the work performed, identifying the person performing the work and the date of the work, and confirming that the Cap Maintenance Plan was adhered to in completion of the work. A copy of the report shall be kept on file with the utility, the Owner, the Property manager, if any, and at the Property and shall be filed with the Department.

4. **Subsurface Drilling Procedures and Requirements.** During subsurface drilling activities at the Property, drilling contractors shall at all times maintain compliance with the following

requirements to ensure the integrity of the Cap and to avoid any potential cross contamination of soils and groundwater:

A) The contractor performing the work shall be provided with a copy of this Cap Maintenance Plan by Owner and shall prepare a health and safety plan, appropriate to the work being performed. The work shall be supervised on-site by a qualified engineer or geologist.

B) All contractor personnel conducting or participating in work must be trained in hazardous site work as required by OSHA 29 CFR 1910.120 or its successor regulation. All soil sampling and drilling activities shall be conducted in accordance with ASTM D1586-99 or its successor standard, and the specified environmental requirements contained in this document.

C) All drill cuttings and water/drilling mud generated during completion of the boring shall be transferred to appropriate 55-gallon drums for storage, and shall be managed in accordance with state law.

D) Following completion of the boring and sample collection, the borehole shall be properly abandoned, in accordance with state law.

E) All drill casings, rods, samplers, tools, rig, and any equipment that comes in contact (directly or indirectly) with the subsurface soils and groundwater shall be steam cleaned on-site prior to set up for drilling. The same steam cleaning protocols shall be followed before leaving the Property following completion of work. Steam cleaning shall be conducted in such a manner as to collect and contain residuals (water and soil) to prevent surface soil contamination. Residuals shall be drummed and managed in accordance with state law.

F) A memorandum report shall be prepared describing the work performed, identifying the person(s) performing the work and the date of the work, and confirming that the Cap Maintenance Plan was adhered to in completion of the work. A copy of the report shall be kept on file by the Owner, the Property manager, if any, and at the Property, and shall be filed with the Department.

5. **Surface Grading and Filling.** Any Unsaturated Soils or granular layer materials which are excavated shall be transferred to appropriate 55-gallon drums for storage, and shall be managed and disposed of in accordance with state law. Any such excavation of Unsaturated Soils or granular layer materials shall be conducted in accordance with the health and safety plan, and all such excavated Unsaturated Soils or granular layer materials shall be segregated and kept on-site until completion of the work. Clean fill may be placed at the Property for the purposes of grading and such clean fill may consist only of clean natural soils, and granular material. Clean fill shall not contain any hazardous substances which are leachable.

6. **Amendment or Withdrawal of Cap Maintenance Plan.** This Cap Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of the Department.

Contact Information
March 2006

Site Contact:	Justin Pettinelli 3M Environmental Technology & Services 3M Center Building 42-2E-27 PO Box 33331 900 Busch Avenue St. Paul, MN 55133 (651) 778-7570
Consultant:	Jennine Cota Trask, P.E. ARCADIS 126 N Jefferson Street, Suite 400 Milwaukee, WI 53202 (414) 276-7604
Department:	Lisa Gutknecht Wisconsin Department of Natural Resources 5301 Rib Mountain Drive Wausau, WI 54401 (715) 359-6514

EXHIBIT 1

PIN # 291-2907-354-0329

Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6) and Seven (7), all in Block Six (6) of J. M. Smith's Addition to the City of Wausau, situated in Marathon County, Wisconsin.

Lot Nine (9) in Block Six (6) of J. M. Smith's Addition to the City of Wausau, Marathon County, Wisconsin.

Lot Ten (10) in Block Six (6) of J. M. Smith's Addition to the City of Wausau, Marathon County, Wisconsin; excepting that part commencing at the Southwest corner of said Lot; thence Northerly 7.5 feet; thence Southeasterly 10.53 feet; thence Westerly 7.5 feet to the point of beginning.

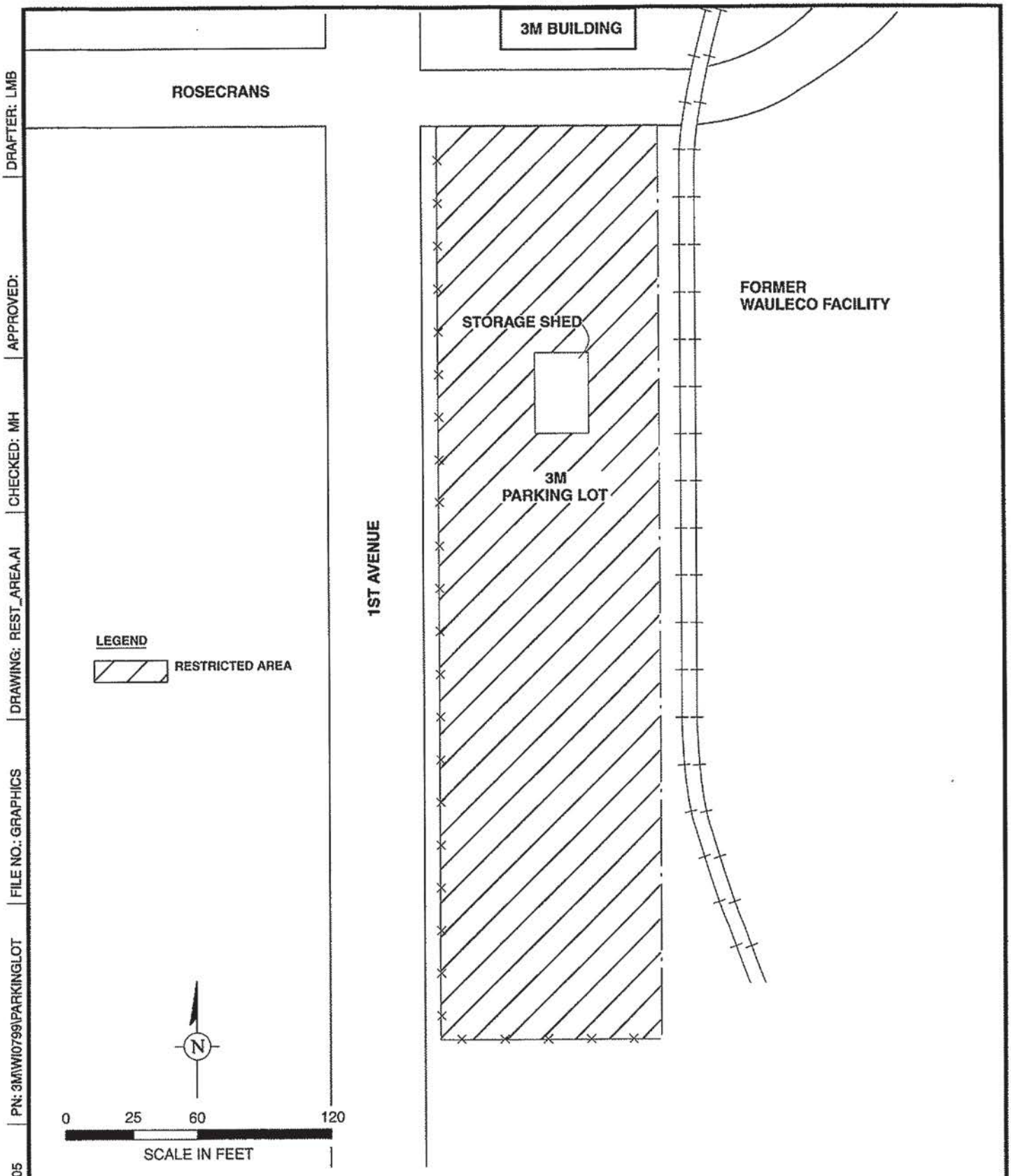
PIN # 291-2907-354-0974

That part of the NW ¼ of SE ¼ of Section 35, Township 29 North, Range 7 East, described as follows:

Beginning at the Southeast corner of said NW ¼ of SE ¼; running thence North 722 feet along East line of said forty to the South line of the Wausau Furniture Company's Site; thence West along said South line of the Wausau Furniture Company's Site 597 feet to the East side of the East Alley in Judson M. Smith Addition to the City of Wausau; thence South, along said East line of said Alley, 722 feet to the South line of said NW ¼ of SE ¼; thence East, along South line of said forty, 610 feet to the place of beginning, subject to a public easement for public highway on the North and East side of said tract.

Excepting and reserving a strip of land 60 feet wide (being 30 feet on each side of the center of the track) where the main Spur track of the Milwaukee Lake Shore and Western Railroad and Chicago, Milwaukee and St. Paul Railroad has been located over said premises.

Also excepting a certain Easement, dated October 14, 1892, and executed by Wisconsin Valley Land Company, and Wausau Novelty Company to the Chicago, Milwaukee and St. Paul Railroad Company and the Milwaukee Lake Shore and Western Railroad Company. Further excepting that part thereof described in Warranty Deed recorded in the office of the Register of Deeds of Marathon County, Wisconsin, in Volume 332 of Deeds on page 34.



DRAFTER: LMB | APPROVED: | CHECKED: MH | DRAWING: REST_AREA.AI | FILE NO.: GRAPHICS | PN: 3M\WI0799\PARKINGLOT | DWG DATE: 10JAN05

ARCADIS

RESTRICTED AREA

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

EXHIBIT

2

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 2
WARRANTY DEED

1360274
CHEYKA/3M CO
REGISTER'S OFFICE
MARATHON COUNTY, WI
JAN 06 2004 1:55 PM

Michael J. Sydow
REGISTER

Ray J. Cheyka Jr. and Leland Cheyka and Leonard Cheyka, a/k/a LRL Investments conveys and warrants to **3M Company, a Delaware Corporation** the following described real estate in **Marathon** County, State of Wisconsin:

RETURN TO
3M Company
900 Bush Avenue
Bldg 42-7W-17
St. Paul, MN 55133-3331

$13.00/TT246.00 CLT#35004

Tax Parcel No: 37.291.4.2507.354.0144 #6915

Lot ten (10) in Block six (6) of J. M. Smith's Addition to the City of Wausau, Marathon County, Wisconsin; excepting that part commencing at the Southwest corner of said Lot; thence Northerly 7.5 feet; thence Southeasterly 10.53 feet; thence Westerly 7.5 feet to the point of beginning.

TRANSFER
$ 246.00
FEE

This ~~is not~~ homestead property.
(is)(is not)

Together with all and singular hereditaments and appurtenances thereunto belonging;
And Grantor, **Ray J. Cheyka Jr. and Leland Cheyka and Leonard Cheyka**, warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, and general taxes levied in the year of closing and will warrant and defend the same.

Dated this 1/2/04

Leonard Cheyka (SEAL)
*Leonard Cheyka

Ray J Cheyka Jr (SEAL)
*Ray J. Cheyka Jr.

(SEAL)
*

Leland Cheyka (SEAL)
*Leland Cheyka

AUTHENTICATION

Signatures authenticated this day of , 2004

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Paul E. Duerst,
Attorney at Law

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN }
Marathon County } ss.

Personally came before me this 2nd day of January 2004 the above named **Ray J. Cheyka Jr. and Leland Cheyka and Leonard Cheyka** to me known to be the persons who executed the foregoing instrument and acknowledge the same.

* Shelly K Talley
Notary Public **Marathon** County, Wis.
My Commission is permanent. (If not, state expiration date: 8-27-06)

SHELLY K. TALLEY NOTARY PUBLIC STATE OF WISCONSIN

*Names of persons signing in any capacity should be typed or printed below their signatures.

WARRANTY DEED

Commerce Control No.

WAIVER

Rental Unit Energy Efficiency Standards

Type or print using black ink.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]

Owners names:	Rental building location - Street address:		
Ray Cheyka Jr., Leland Cheyka Leonard Cheyka	1041 S. 1st Ave. S.		
Street address: 11302 Bittersweet Rd.	City: Wausau	County: Marathon	
City: Wausau	State & Zip Code: WI 54401	Number of rental buildings on this property: 1	Number of rental units in building: 1
Owner telephone number including area code: 715-359-6410			

Legal description of rental unit property. You may attach a separate sheet:

Lot ten (10) in Block six (6) of J.M. Smith's Addition to the City of Wausau, Marathon County, Wisconsin, excepting that part commencing at the Southwest corner of said Lot; thence Northerly 7.5 feet; thence Southeasterly 10.53 feet; thence Westerly 7.5 feet to the point of beginning.

#6915 291.4.2907.354.0144

This instrument was drafted by:
Wisconsin Dept. of Commerce,
Rental Weatherization, PO 7969, Madison WI 53707-7969
Telephone 608-266-0671

Return to:
3M Company
900 Bush Ave. Bldg 42-7W-17
St. Paul, MN 55133-3331

Purpose: Section 101.122 (4) and (6), Wis. Stats, requires that a property authorized Certificate of Compliance, Stipulation, or Waiver accompany the transfer documents at the time of recording. This process is further explained in Chapter ILHR 67, Wis. Admin. Code. Receipt of the Certificate of Compliance indicates conformance with energy conservation standards of ILHR 67.05. In lieu of the Certificate of Compliance, the purchaser may accept responsibility for future conformance with either a Stipulation under ILHR 67.08(3) or a Waiver under ILHR 67.08(2).

Waiver: The buyer of the residential rental building may present to the Register of Deeds this Waiver signed by the buyer and validated (see instructions below). The waiver states the purchaser will demolish the building no later than two years after the date of transfer. The date of transfer is the date this Waiver is validated by an agency official or representative, unless documentation of another transfer date is provided to the Department of Commerce.

Instructions: Information concerning the seller and the property should be filled in above. Information about the buyer and the buyer's signature should be filled in below. The Waiver must then be submitted to the Department of Commerce, or to a Commerce agent, for validation. A list of those agents is available by calling the telephone number listed above right. If there is not a Commerce agent in your area, send the Waiver and a non-refundable $50 filing fee (do not send cash) to the address listed above right. Make the check payable to Commerce. The validated Waiver will be returned to the buyer listed below, or to another party designated in the "Return to" block above.

This document is valid only if no previous Stipulation or Waiver is currently on file for this property.

WAIVER AGREEMENT

In lieu of meeting the Rental Unit Energy Efficiency Certificate requirements, I (we) agree to notify the Department of Commerce of the demolition of the above described property. Demolition shall occur within two years of the effective date of transfer. Upon demolition, I (we) shall notify Commerce at the address above right of the date of demolition of the property. This action is required in accordance with ILHR 67.08(2), ILHR 67.13(3). and Wis. Stats. 101.122.

Print buyers names:	Buyers signatures:	Date signed:
3M [redacted] Company by Jill Smith	by Jill Smith	12/30/03
Buyers street address:	**Buyers city, state, and zip code:**	**Buyer telephone number including area code:**
900 Bush Ave. Bldg. 42-7W-17	St. Paul, MN 55133-3331	651-778-6555

Validated by: ☐ Department of Commerce ☒ Commerce agent	Auth or Tax Rev #: A37-291	Date validated: 1/5/04	Commerce Transfer Authorization number: W-018602	[redacted]
Official's signature: Rose Gottung		Expiration date two years from date validated: 1/5/06		
Print official's name: Rose Gottung	Official title: Inspections	Municipality & County: Wausau - Marathon		

TRANSFER OF WAIVER

If the residential rental property described above is transferred within two years of the validation date of this Waiver and before the building(s) has been demolished in compliance with ILHR 67, the new buyer must sign below and forward a copy of this document to Commerce at the address above right. By signing below the new buyer accepts responsibility to comply with this Waiver. Demolition of the above described building is required before the expiration date.

Print new buyers name:	New buyers signature:	Date signed:
New buyers street address:	**New buyers city, state, and zip code:**	**New buyers telephone number including area code:**

The Department of Commerce does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted, or in a different form, or if you need assistance in using this service, please contact us at the telephone number listed above at right.
TDD 608-264-8777.

Copy distribution: White - Recording; Green - Agent; Yellow - Commerce; Pink - Other.

SBD-7116(R10/96)

1360274

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 5-1982
PERSONAL REPRESENTATIVE'S DEED

1248138
THOR/MINNESOTA MINING & MANF
REGISTER'S OFFICE
MARATHON COUNTY, WI
SEP 18 2001 3:52 PM

Michael J. Sydow
REGISTER

Alan Thor, as Personal Representative of the estate of **Arlene Emma Thor** ("Decedent"), for a valuable consideration conveys, without warranty, to **Minnesota Mining and Manufacturing Company, a Delaware Corporation**, Grantee, the following described real estate in **Marathon** County, State of Wisconsin (hereinafter called the "Property):

RETURN TO CLT 13699
3M Real Estate
Jill Smith
Bldg. 0042-07-W-17
900 Bush Ave
St. Paul, MN 55144-1000
$10 pd ck. sl. chg CLT, TT $15. pd ck.

TRANSFER
$ 195.00
FEE

Tax Parcel No: 37.291.4.2907.354.0143

Lot nine (9) in Block six (6) of J M Smith's Addition to the City of Wausau, Marathon County, Wisconsin. (#6915)

Personal Representative by this deed does convey to Grantee all of the estate and interest in the Property which the Decedent had immediately prior to Decedent's death, and all of the estate and interest in the Property which the Personal Representative has since acquired.
Dated this 7 day of SEPT., 2001.

Alan D. Thor (SEAL)

* **Alan Thor**
Personal Representative

(SEAL)

*
Personal Representative

AUTHENTICATION

Signature(s) _____

authenticated this day of , 2001

*
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

_____

_____

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF ILLINOIS
Ogle County

"OFFICIAL SEAL"
Lucinda Colburn
Notary Public State of Illinois
My Commission Expires 06/19/04

Personally came before me this 7th day of Sept, 2001 the above named **Alan Thor** to me known to be the person who executed the foregoing instrument and acknowledge the same.

Lucinda Colburn

*
Notary Public Ogle County, Illinois
My Commission is permanent. (If not, state expiration date: 6/19/04)

*Names of persons signing in any capacity should be typed or printed below their signatures.

PERSONAL REPRESENTATIVE'S DEED

1248138

DOCUMENT NO.

VOL. 449 - PAGE 849

956689

WARRANTY DEED - By Corporation

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE
Marathon County, WI } ss

'87 JUN 2 PM 1 25

Volume 449 of MICRO-RECORDS, on page 849-851

REGISTRAR

RETURN TO: Wausau Title Co.

956689

THIS INDENTURE, Made this 5th day of March A. D., 19 87, between Harris-Crestline Corporation, a corporation duly organized and existing under and by virtue of the laws of the State of Illinois and at 910 Cleveland Avenue, Wausau, Wisconsin party of the first part and SNE Corporation a Wisconsin corporation located at 910 Cleveland Avenue, Wausau, Wisconsin party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of Ten and no/100 ($10.00)

to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its heirs and assigns forever, the following described real estate situated in the County of Marathon and State of Wisconsin, to-wit:

See attached.

EEB

#77.25 (7)

EXEMPT

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To Have and To Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its heirs and assigns FOREVER.

And the said Harris-Crestline Corporation, an Illinois corporation

party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its heirs and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever.

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT AND DEFEND.

In Witness Whereof, the said Harris-Crestline Corporation, an Illinois corporation party of the first part, has caused these presents to be signed by George P. Flynn its Vice President, and countersigned by Caroline E. Fribance, its Secretary, at Stevens Point, Wisconsin, and its corporate seal to be hereunto affixed, this 5th day of March, A. D., 19 87.

SIGNED AND SEALED IN PRESENCE OF

HARRIS-CRESTLINE CORPORATION
Corporate Name

George P. Flynn Vice President

COUNTERSIGNED:

Caroline E. Fribance Secretary

STATE OF WISCONSIN,
Portage County. } ss.

Personally came before me, this 5th day of March, A. D., 1987, George P. Flynn Vice President and Caroline E. Fribance Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Vice President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

NOTARY SEAL

Notary Public County, Wis.

My Commission (expires) (is)

This instrument drafted by

James C. Noonan

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary).

WARRANTY DEED—STATE OF WISCONSIN, FORM NO.

VOL. 449 - PAGE 850

WAUSAU, WI

LEGAL DESCRIPTION

PARCEL NO. 1

That part of the NW¼ of SE¼ of Section 35, Township 29 North, Range 7 East, described as follows:

Beginning at the Southeast corner of said NW¼ of SE¼; running thence North 722 feet along East line of said forty to the South line of the Wausau Furniture Company's Site; thence West along said South line of the Wausau Furniture Company's Site 597 feet to the East side of the East Alley in Judson M. Smith Addition to the City of Wausau; thence South, along said East line of said Alley, 722 feet to the South line of said NW¼ of SE¼; thence East, along South line of said forty, 610 feet to the place of beginning, subject to a public easement for public highway on the North and East side of said tract.

Excepting and reserving a strip of land 60 feet wide (being 30 feet on each side of the center of the track) where the main Spur track of the Milwaukee Lake Shore and Western Railroad and Chicago, Milwaukee and St. Paul Railroad has been located over said premises.

Also excepting a certain Easement, dated October 14, 1892, and executed by Wisconsin Valley Land Company, and Wausau Novelty Company to the Chicago, Milwaukee and St. Paul Railroad Company and the Milwaukee Lake Shore and Western Railroad Company.

Further excepting that part thereof described in Warranty Deed recorded in the office of the Register of Deeds for Marathon County, Wisconsin, in Volume 332 of Deeds on page 34.

PIN 291240+3570474

WARRANTY DEED—By Corporation STATE OF WISCONSIN—FORM NO. 10

er

This Indenture,

Made by GEORGE SILBERNAGEL & SONS CO., INC. a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, grantor, of Marathon County, Wisconsin, hereby conveys and warrants to MINNESOTA MINING & MANUFACTURING COMPANY, a Delaware Corporation grantee, of Marathon County, Wisconsin, for the sum of Twelve Thousand Dollars ($12,000.00)

the following tract of land in Marathon County, State of Wisconsin:

Beginning at a point on the South line of Rosecrans Street 136 feet East of the Northwest corner of Block 6 of J. M Smith's Addition to the City of Wausau, Wisconsin, thence Easterly along the South line of Rosecrans Street, a distance of 30 feet, thence southerly parallel with the West line of said Block 6 or J. M. Smith's Addition, a distance of 586.1 feet to the North line of Thomas Street, thence westerly along the North line of Thomas Street, a distance of 30 feet, thence northerly parallel with said West line of Block 6, a distance of 586.1 feet to the place of beginning, said description being a part of the NW¼ of SE¼ of Section 35, Township 29 North, Range 7 East.

Grantor agrees to pay the taxes on the property above described for the year 1946.

$13.20 Internal Revenue Stamps Cancelled

STATE OF ILLINOIS } ss
Cook County, }

I, MICHAEL J. FLYNN, County Clerk of the County of Cook DO HEREBY CERTIFY that I am the lawful custodian of the official records of Notaries Public of said County, and as such officer am duly authorized to issue certificates of magistracy, that Joseph L. Peters whose name is subscribed to the proof of [illegible] deeds or conveyances of lands, tenements or hereditaments, in said State of Illinois, and to administer oaths; all of which a pears form the records and files in my office; that I am well acquainted with the handwriting of said Notary and Verily believe that the signature to the said proof of acknowledgment is genuine; and, further, that the annexed instrument is is executed and acknowledged according to the laws of the State of Illinois.

Seal of the County of Cook March Illinois 1831

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of the County of Cook at my office in the City of Chicago, in the said County, this 23 day of Dec. 1946.

Michael J. Flynn. County Clerk

In Witness Whereof, the said grantor has caused these presents to be signed by L. K. Burno its President, and countersigned by H. J. Wahlberg its Secretary, at Chicago, Illinois and its corporate seal to be hereunto affixed, this 23rd day of December, A. D., 1946.

SIGNED AND SEALED IN PRESENCE OF

T. L. Riordan
T. L. Riordan

M. B. Harris
M. B. Harris

Geo. Silbernagel & Sons Co. Corporate Seal Wausau, Wisco. [illegible]

GEORGE SILBERNAGEL & SONS CO. INC. Corporate Name

L. K. Burno
L. K. Burno President

COUNTERSIGNED:

H. J. Wahlberg
H. J. Wahlberg Secretary

State of ~~Wisconsin~~ Illinois } ss.
Cook County.

Personally came before me, this 23rd day of December, A. D., 1946, L. K. Burno President, and H. J. Wahlberg Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Joseph L. Peters
Notary Public
Cook County, Ill.

Joseph L. Peters
Notary Public, Cook County, Illinois

My commission expires May 21 A. D., 19 47

Received for Record at 54 o'clock A M
Dec 26 A. D., 19 46
Andrew Miller Register.
By Emma Adams Deputy

No. [illegible] Warranty Deed (Corporation) By Corporation (Sec. 235.16, Wis. Statutes) (STATE OF WISCONSIN) Form No. 1 Published by Eau Claire Book & Stationery Co.

Vol 426 Page 96 488592

This Indenture, Made this 26th day of April , A. D., 19 57 .

between Wausau Motor Parts Company,

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Wausau , Wisconsin, party of the first part, and Minnesota Mining and Manufacturing Company, a Delaware corporation, with its principal office located in St. Paul, Minnesota,

party of the second part.

Witnesseth: That the said party of the first part, for and in consideration of the sum of One Dollar and other valuable consideration

to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its heirs and assigns forever, the following described real estate, situated in the County of Marathon and State of Wisconsin, to-wit:

Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6) and Seven (7), all in Block Six (6) of J. M. Smith's Addition to the City of Wausau, situated in Marathon County, Wisconsin.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its heirs and assigns FOREVER.

And the said Wausau Motor Parts Company party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its heirs and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, excepting only existing zoning restrictions, and such right, title or interest, including easements, if any, that any railroad may have in or to that part, if any, of the premises described above on which are actually located any railroad tracks or switches, and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said Wausau Motor Parts Company party of the first part, has caused these presents to be signed by G. C. Landon , its President, and countersigned by Richard P. Tinkham , its Secretary, at Wausau , Wisconsin, and its corporate seal to be hereunto affixed, this 26th day of April , A. D., 1957 .

Signed and Sealed in Presence of

[illegible]

Cora Heidtke

Lois Wittman

WAUSAU MOTOR PARTS COMPANY

G. C. Landon, President

Countersigned:

Richard P. Tinkham, Secretary

(N.B.—Ch. 59 Wis. Stats. provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, witnesses and notary.)

vol. 421 pg. 97

State of Wisconsin,
MARATHON County, } ss.

Personally came before me, this 26th day of April, A. D., 19 57.
G. C. Landon, President, and Richard P. Tinkham, Secretary
of the above named Corporation, to me known to be the persons who executed the foregoing instrument,
and to me known to be such President and Secretary of said Corporation, and acknowledged that they
executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Cora Heidtke

Cora Heidtke
Notary Public. Marathon County, Wis.
My commission expires Jan. 3, A. D., 19 60

488592

No.

To

WARRANTY DEED

REGISTER'S OFFICE,
State of Wisconsin,
County.
Received for Record this day of
A. D., 19, at
o'clock M., and recorded in Vol.
of Deeds on page

Register of Deeds.

Deputy.

J M SMITH'S ADDITION

C-WAUSAU | 2916915 | TRACT VOL 12 PG 107, VOL 2 PLATS PG 16
COVENANTS Doc # 1104982, 1114583, 1208703, 1280695

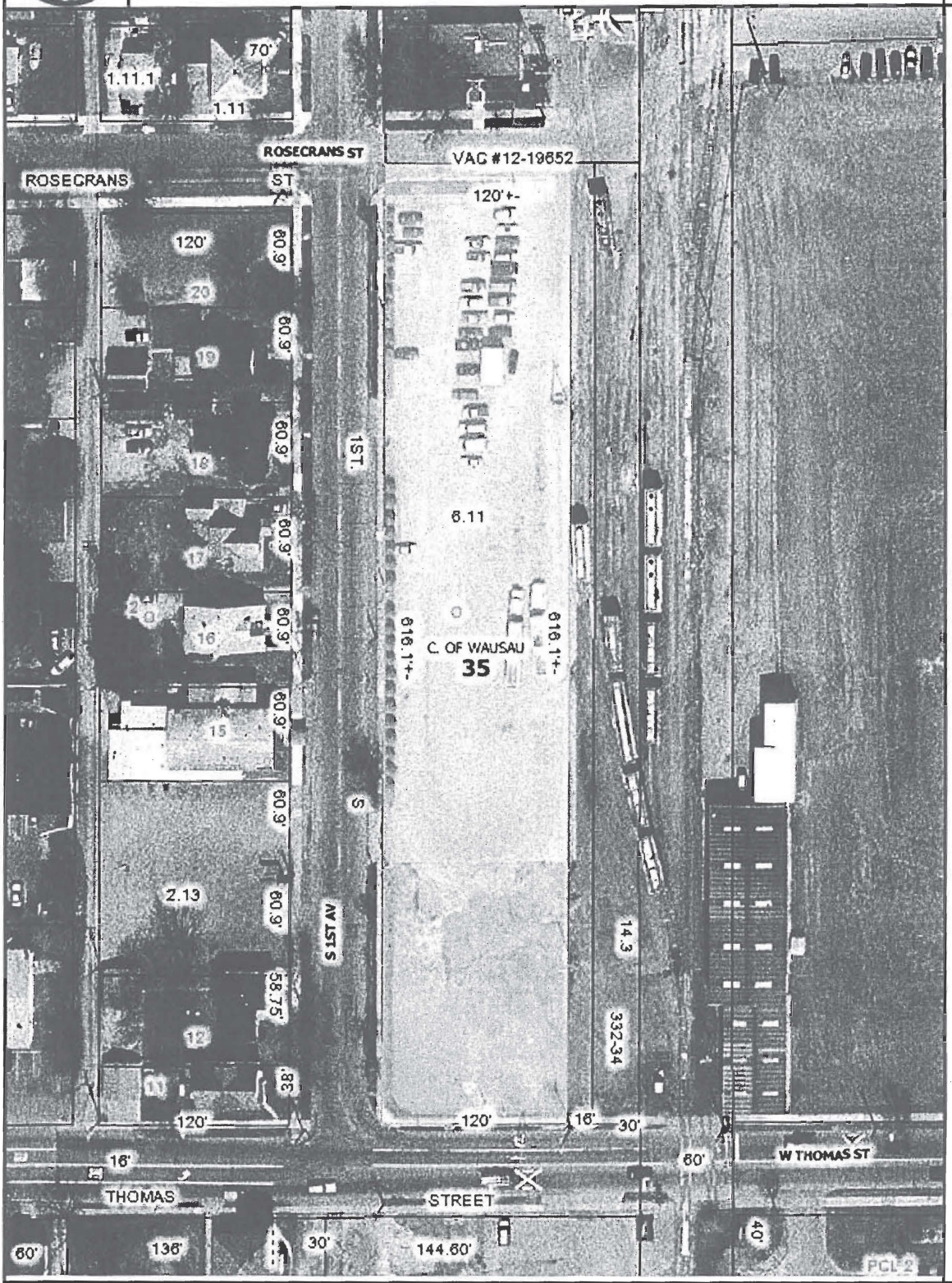
MAP D

This is NOT a Lega
This is current interpre
Tax Parcel Status.

SECTION 25 29N-R07E

SHERMAN STREET
ROSECRANS STREET
THOMAS STREET
6TH. AVE
5TH. AVE
4TH. AVE
3RD. AVE
1ST. AVE
J M SMITH'S ADD
VAC #12-19652

Marathon County-City of Wausau IMS



Scale: 1" = 100 feet

7/7/2006 12:

ARCADIS

Attachment B

1. Copy of Most Recent Deed

2. Copy of Certified Survey Map

3. Parcel Identification Number 291-2907-354-0329

A. Parcel ID #: ~~29129073540138~~, 29129073540974, ~~29129073540143~~, ~~29129073540144~~

Property Address: 3M Company Parking Lot
144 Rosecrans Street
Wausau, Wisconsin 54401

Geographic Position: 548~~57~~81, 497~~42~~358

B. Parcel ID #: 29129073540972

Property Address: Former Wauleco Facility
130 W Thomas Street
Wausau, WI 54401

Geographic Position: 548~~670~~617, 497~~373~~~~350~~393

12. Statement Signed by the Responsible Party

13. A Copy of the Letter Sent by the RP to All Owners of Properties with Groundwater Exceeding ES's

14. A Copy of the Written Notification

SOURCE: USGS 7.5 Minute Topographic Map, WAUSAU WEST, WISCONSIN Quadrangle, 1978

N

0 1000 2000 4000

SCALE IN FEET

WISCONSIN

DRAFTER: ELS | APPROVED: | CHECKED: RLS | DRAWING: SITE_LOC.AI | FILE NO.: GRAPHICS | PN: 3MWI0799\PARKINGLOT | DWG DATE: 13JUL06

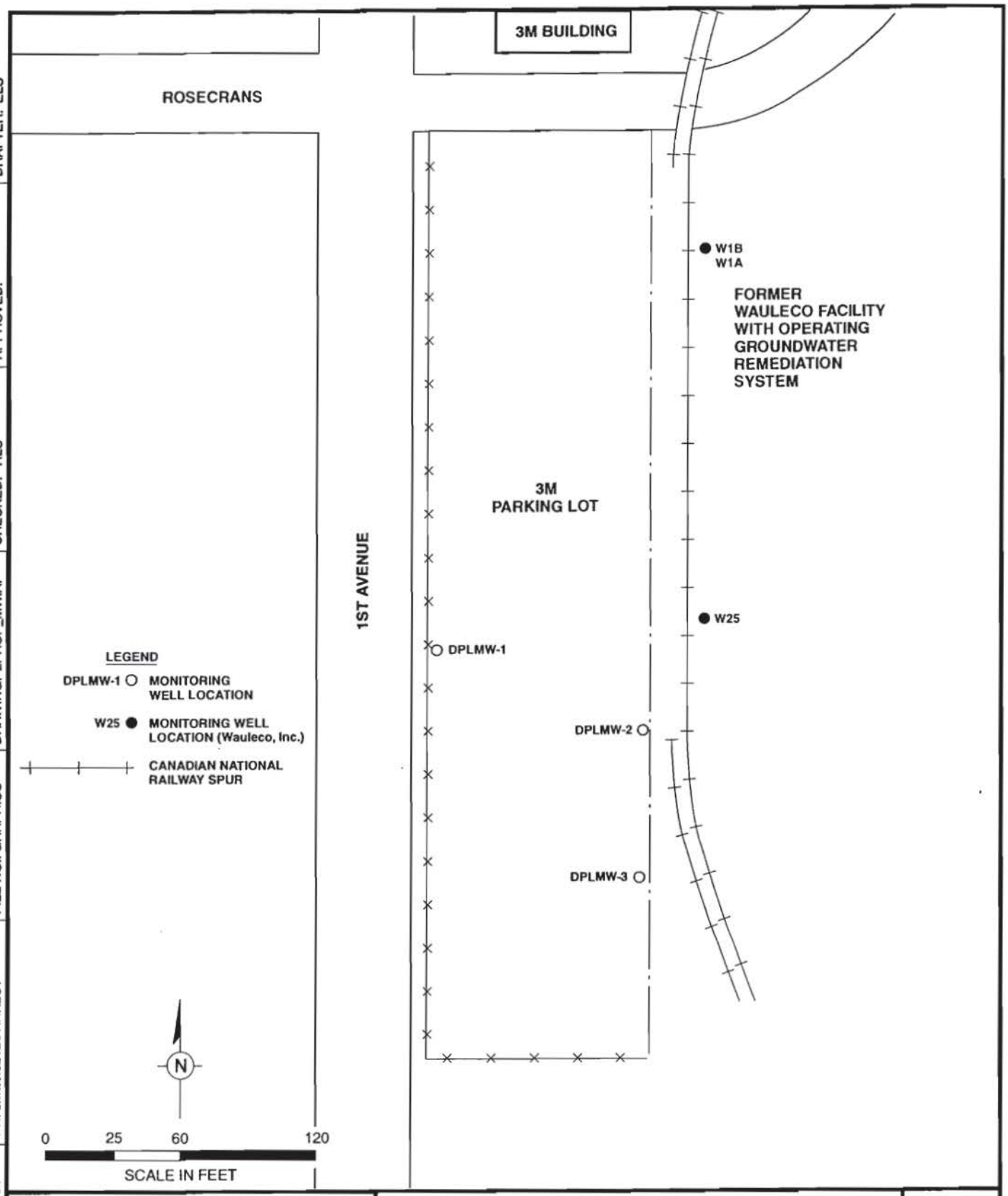
ARCADIS

SITE LOCATION MAP

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE

1

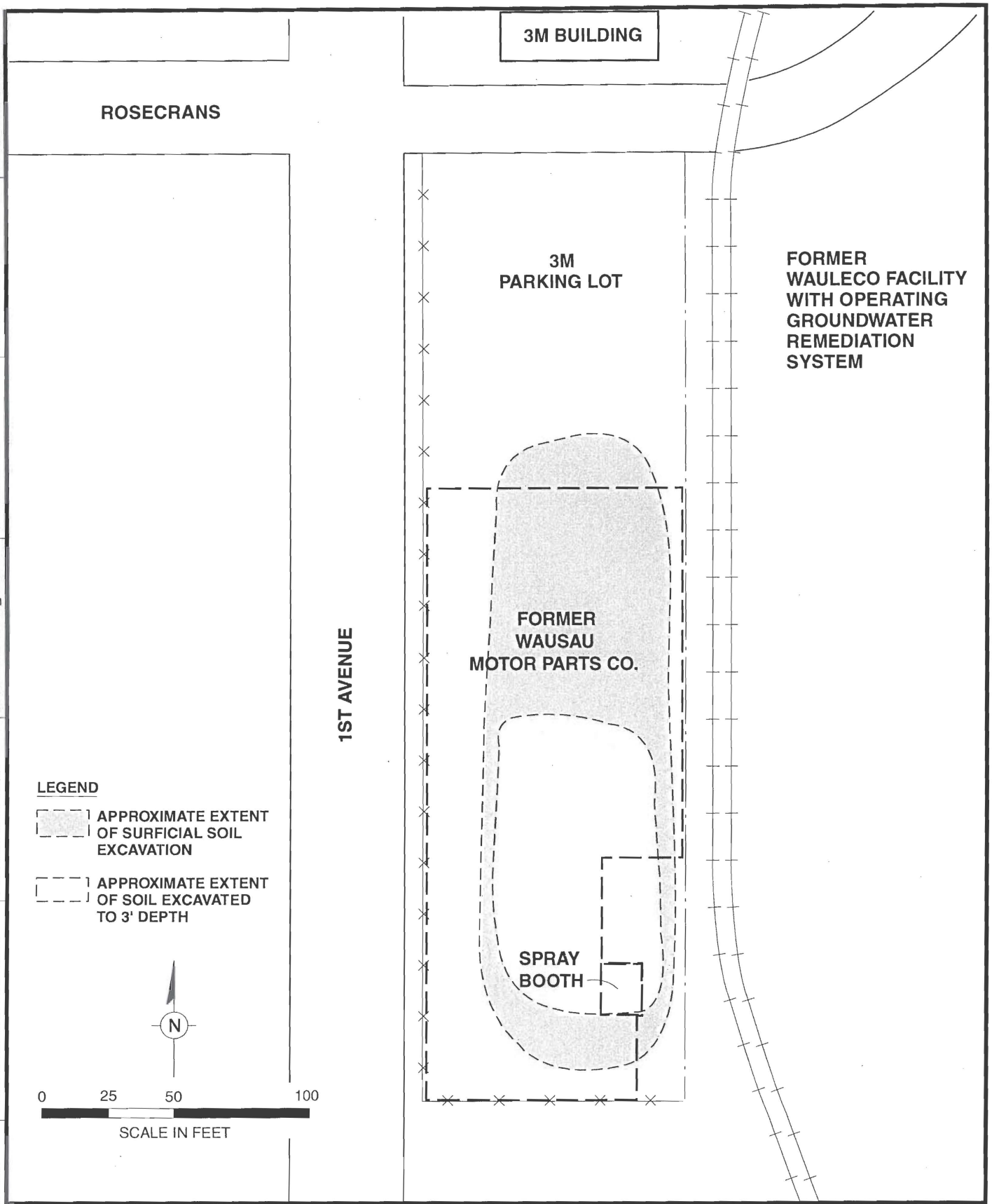


ARCADIS

SITE MAP

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
1



DRAFTER: ELSILMB | APPROVED: | CHECKED: JC | DRAWING: PARK_LOT.AI | FILE NO.: GRAPHICS | PN: 3MWI0799\PARKINGLOT | DWG DATE: 04FEB04

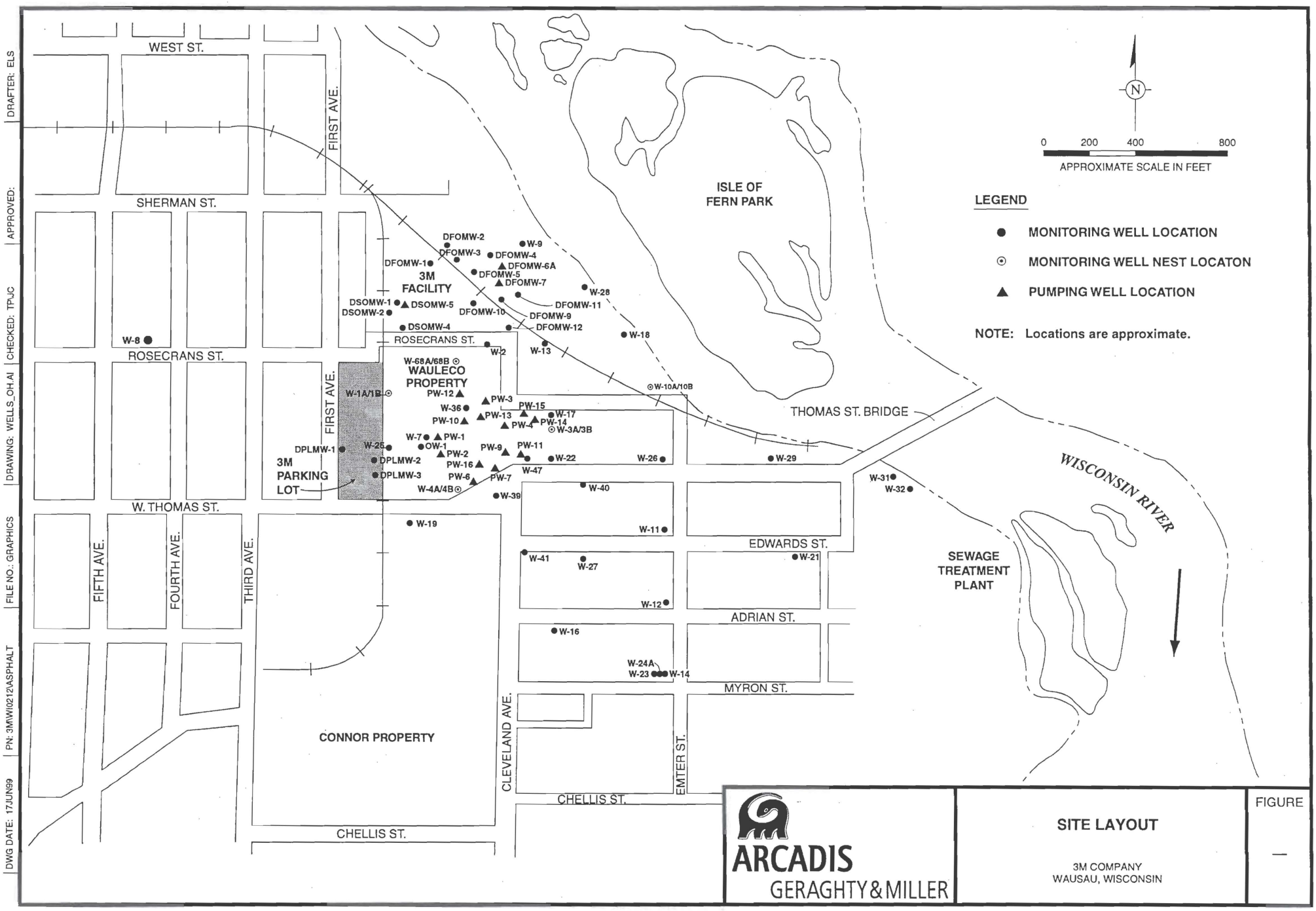
ARCADIS

APPROXIMATE EXTENT OF 1991 SOIL REMOVAL

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE

4



ARCADIS GERAGHTY & MILLER

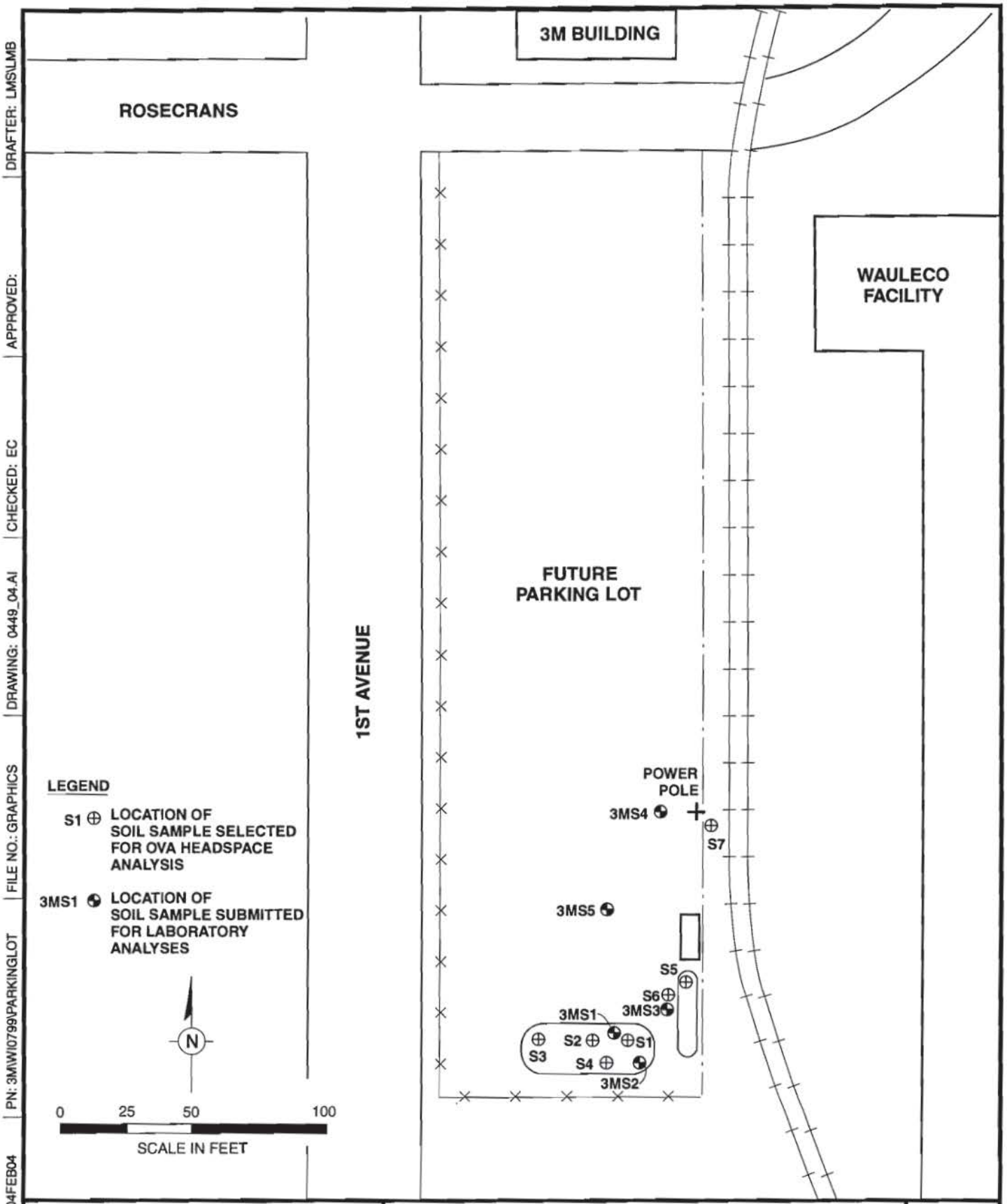
SITE LAYOUT

3M COMPANY
WAUSAU, WISCONSIN

FIGURE

—

DRAFTER: ELS | APPROVED: | CHECKED: TPJC | DRAWING: WELLS_OH.AI | FILE NO.: GRAPHICS | PN: 3MWI0212ASPHALT | DWG DATE: 17JUN99



DRAFTER: LMS\LMB | APPROVED: | CHECKED: EC | DRAWING: 0449_04.AI | FILE NO.: GRAPHICS | PN: 3MWI0799PARKINGLOT | DWG DATE: 04FEB04

ARCADIS

SAMPLE LOCATIONS, OCTOBER 1991
3M PROPOSED PARKING LOT

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
5

Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	DPLMW-1									
Sample Date	8/26/1998	12/21/1998	4/6/1999	7/22/1999	10/19/1999	3/28/2000	10/31/2000	4/24/2001	10/29/2001	4/30/2002
VOCs (µg/L)										
1,1,1-Trichloroethane	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	0.36 J	<1	<1	<1	<1	<1	<1
2-Butanone	<10	<10	<10	<17	<10	<10	<5	<5	<5	<5
Acetone	<10	8.6	<10	<17	<10	<10	1.9 J	<10	0.60 J	<10
Bromodichloromethane	<1	<1	<1	<1.7	<1	0.11 J	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<1	<1	0.22 J	<1	<1	<1	<1	<1	<1
Chloroform	1.6	1.6	0.57	0.51 J	2.3	1.7	1	1.1	1.7	2.9
Chloromethane	<2	<2	<2	<3.3	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethylene	<0.5	0.14	<0.5	0.58 J	<0.5	0.11 J	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
Methylene chloride	1	1.2	<1	0.55 J B	0.14 J B	<1	0.52 J B	<1	<1	<1
Tetrachloroethylene	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.83	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	2.7	2.2	10	31	7.1	10	8.3	5.1	7.3	7.6
Trimethylbenzenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<2	0.41	<2	<3.3	<2	<2	<2	<2	<2	<2
Xylenes (total)	<1	<1	<1	<1.7	<1	<1	<1	<1	<1	<1
Metals (mg/L)										
Barium	<0.2	<0.2	<0.2	0.33	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	NA	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA
Chromium	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
Chromium (Dissovled)	NA	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA
Iron (Dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead	<0.003	<0.003	<0.003	<0.003	NA	NA	NA	NA	NA	NA
Indicator Parameters (mg/L)										
Nitrate	NA	5.3	NA	NA	0.3	NA	NA	NA	4.5	NA
Nitrate-Nitrite	4.5	5.3	4	9.4	NA	4.9	3.2	8	NA	7.1
Sulfate	36.5	32	22	33	20	14	20.9	17.3	20.2	22.6
Total Organic Carbon	<1	<1	5	2	2	7	4	<1	4	4

Footnotes on Page 2.

Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	DPLMW-1 (Continued)		DPLMW-2						
Sample Date	10/16/2002	4/29/2003	8/26/1998	12/21/1998	4/6/1999	7/22/1999	10/19/1999	3/28/2000	10/31/2000
VOCs (µg/L)									
1,1,1-Trichloroethane	<2	<1	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
1,1-Dichloroethane	<2	<1	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
1,2-Dichloroethane	<2	<1	<3.3	<2.5	<1.7	0.45 J	<5	<1	<3.3
2-Butanone	<10	<5	<33	<25	<17	<10	<50	<10	<17
Acetone	<20	<10	<33	<25	29	<10	<50	2.5 J	3.8 J
Bromodichloromethane	<2	<1	<3.3	<2.5	<1.7	<1	<5	0.15 J	<3.3
Carbon tetrachloride	<2	<1	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
Chlorobenzene	<2	<1	<3.3	<2.5	<1.7	0.11 J	<5	<1	<3.3
Chloroform	<2	0.92 J	1.3	0.94	1.1	0.90 J	1.3 J	2.5	0.77 J
Chloromethane	<4	<2	<6.7	<5	<3.3	<2	<10	0.13 J	<6.7
cis-1,2-Dichloroethylene	<1	<0.5	48	26	19	8.1	50	7.5	41
Ethylbenzene	<2	NA	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
Methylene chloride	<2	0.47 J	1.6	0.51	0.35	0.20 J B	1.5 J B	0.10 J	2.0 J B
Tetrachloroethylene	<2	<1	<3.3	<2.5	0.31	0.25 J	0.69 J	0.19 J	1.0 J
Toluene	<2	NA	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
trans-1,2-Dichloroethylene	<1	<0.5	<1.7	<1.2	0.21	<0.5	1.2 J	0.17 J	<1.7
Trichloroethylene	**41**	1.7	**92**	**59**	**49**	**40**	**120**	**24**	**100**
Trimethylbenzenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<4	<2	<6.7	<5	<3.3	<2	<10	<2	<6.7
Xylenes (total)	<2	<1	<3.3	<2.5	<1.7	<1	<5	<1	<3.3
Metals (mg/L)									
Barium	NA	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA
Barium (Dissolved)	NA	NA	NA	NA	NA	NA	<0.2	<0.2	0.22
Chromium	NA	NA	<0.01	<0.01	<0.01	<0.01	NA	NA	NA
Chromium (Dissovled)	NA	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01
Iron (Dissolved)	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.25	<0.1
Lead	NA	NA	<0.003	<0.003	<0.003	<0.003	NA	NA	NA
Indicator Parameters (mg/L)									
Nitrate	NA	NA	NA	6.4	NA	NA	0.4	NA	NA
Nitrate-Nitrite	9	6.4	7.6	6.4	6.2	6.9	NA	4.8	10
Sulfate	29.2	15	33.9	34	23	36	29	17	25.5
Total Organic Carbon	3	<1	2	1	6	4	5	5	9

Footnotes on Page 4.

Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	DPLMW-2 (Continued)					DPLMW-3			
Sample Date	4/24/2001	10/29/2001	4/30/2002	10/16/2002	4/29/2003	8/27/1998	12/22/1998	4/6/1999	7/22/1999
VOCs (µg/L)									
1,1,1-Trichloroethane	<1	<3.3	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<3.3	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<3.3	<1	<1	<1	<1	<1	<1	0.28 J
2-Butanone	<5	<17	<5	<5	<5	<10	<10	<10	<10
Acetone	<10	2.9 J	<10	<10	<10	<10	<10	<10	<10
Bromodichloromethane	<1	<3.3	0.20 J	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<3.3	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	<1	<3.3	<1	<1	<1	<1	<1	<1	0.11 J
Chloroform	1.8	1.5 J	3.3	1.2	0.83 J	3.1	2.6	1.9	2.2
Chloromethane	<2	<6.7	<2	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethylene	7	15	0.5	3.4	0.35 J	0.85	2.2	1.3	1.7
Ethylbenzene	<1	<3.3	<1	<1	NA	<1	<1	<1	<1
Methylene chloride	<1	<3.3	<1	<1	0.39 J	**8**	1.4	0.58	0.46 J B
Tetrachloroethylene	<1	<3.3	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<3.3	<1	<1	NA	0.51	<1	<1	<1
trans-1,2-Dichloroethylene	<0.5	<1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	**24**	**51**	3.8	**25**	**9.3**	**8.1**	**20**	**15**	**16**
Trimethylbenzenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<2	<6.7	<2	<2	<2	<2	**0.61**	<2	<2
Xylenes (total)	<1	<3.3	<1	<1	<1	<1	<1	<1	<1
Metals (mg/L)									
Barium	NA	NA	NA	NA	NA	0.37	<0.2	<0.2	<0.2
Barium (Dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	0.037	<0.01	<0.01	<0.01
Chromium (Dissovled)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (Dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Lead	NA	NA	NA	NA	NA	0.0041	<0.003	<0.003	<0.003
Indicator Parameters (mg/L)									
Nitrate	NA	7.8	NA	NA	NA	NA	6.4	NA	NA
Nitrate-Nitrite	7	NA	6.1	9.9	6.2	5.9	6.4	4.6	7
Sulfate	25.1	22.7	19.8	20.9	16.5	31.1	31	24	38
Total Organic Carbon	<1	6	3	3	<1	2	10	9	3

Footnotes on Page 6.

Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	DPLMW-3 (Continued)								W-1A
Sample Date	10/19/1999	3/28/2000	10/31/2000	4/24/2001	10/29/2001	4/30/2002	10/16/2002	4/29/2003	8/27/1998
VOCs (µg/L)									
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
1,1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
2-Butanone	<10	<10	<5	<5	<5	<5	<5	<5	11
Acetone	<10	<10	1.6 J	<10	<10	<10	<10	<10	<17
Bromodichloromethane	<1	0.10 J	<1	<1	<1	<1	<1	<1	<1.7
Carbon tetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
Chloroform	4.7	1.5	2.5	2	1.2	0.65 J	<1	1.4	2.8
Chloromethane	<2	<2	<2	<2	<2	<2	<2	<2	<3.3
cis-1,2-Dichloroethylene	1.6	1.5	1	0.48 J	0.56	0.96	1.2	<0.5	<0.83
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	NA	<1.7
Methylene chloride	1.5 B	0.19 J	0.47 J B	<1	<1	<1	<1	<1	1.3
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1.7
Toluene	<1	<1	<1	<1	<1	<1	<1	NA	<1.7
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.83
Trichloroethylene	14	18	11	7.5	7.4	18	22	10	<1.7
Trimethylbenzenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<3.3
Xylenes (total)	<1	<1	<1	<1	<1	<1	<1	<1	3.2
Metals (mg/L)									
Barium	NA	NA	NA	NA	NA	NA	NA	NA	<0.2
Barium (Dissolved)	0.21	0.23	0.27	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	<0.01
Chromium (Dissovled)	<0.01	0.01	<0.01	NA	NA	NA	NA	NA	NA
Iron (Dissolved)	<0.1	5.7	<0.1	<0.1	0.9	<0.1	0.11	<0.1	7.2
Lead	NA	NA	NA	NA	NA	NA	NA	NA	<0.003
Indicator Parameters (mg/L)									
Nitrate	0.3	NA	NA	NA	7.1	NA	NA	NA	NA
Nitrate-Nitrite	NA	4.3	9.6	7.7	NA	8	11	10	8.4
Sulfate	30	22	25.1	24.8	23.1	27	20.6	24.5	40.5
Total Organic Carbon	2	5	2	<1	3	3	2	1	22

Footnotes on Page 8.

Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	W-1A (continued)									
Sample Date	12/22/1998	4/6/1999	7/22/1999	10/19/1999	3/28/2000	10/31/2000	4/24/2001	10/29/2001	4/30/2002	10/16/2002
VOCs (µg/L)										
1,1,1-Trichloroethane	11	5.7	1.8 J	<10	<50	0.36 J	<2	<1	<1	<1
1,1-Dichloroethane	2	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
1,2-Dichloroethane	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
2-Butanone	<36	<62	<170	<100	<500	2.0 J	<10	0.61 J	0.52 J	<5
Acetone	<36	<62	<170	<100	<500	2.6 J	22	1.2 J	2.4 J B	<10
Bromodichloromethane	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
Carbon tetrachloride	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	0.40 J
Chlorobenzene	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
Chloroform	1.9	2.2	<17	2.8 J	<50	1.6	3	2	1.2	<1
Chloromethane	<7.1	<12	<33	<20	<100	<2	<4	<2	<2	<2
cis-1,2-Dichloroethylene	<1.8	<3.1	<8.3	<5	<25	<0.5	<1	<0.5	<0.5	<0.5
Ethylbenzene	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
Methylene chloride	0.88	<6.2	7.9 J B	4.3 J B	<50	0.50 J B	<2	<1	<1	<1
Tetrachloroethylene	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
Toluene	<3.6	<6.2	<17	<10	<50	<1	<2	<1	<1	<1
trans-1,2-Dichloroethylene	<1.8	<3.1	<8.3	<5	<25	<0.5	<1	<0.5	<0.5	<0.5
Trichloroethylene	<3.6	<6.2	2.8 J	<10	<50	<1	<2	<1	<1	<1
Trimethylbenzenes (Total)	NA	NA	NA	NA	NA	10.1	NA	NA	6.6	1.2
Vinyl chloride	<7.1	<12	<33	<20	<100	<2	<4	<2	<2	<2
Xylenes (total)	<3.6	2.2	<17	<10	<50	<1	<2	<1	<1	<1
Metals (mg/L)										
Barium	<0.2	<0.2	<0.2	NA	NA	NA	NA	NA	NA	NA
Barium (Dissolved)	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	NA
Chromium	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA	NA
Chromium (Dissovled)	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	NA
Iron (Dissolved)	5.1	2.1	6.7	7.2	3.1	4	3.7	1.8	3.2	0.14
Lead	<0.003	<0.003	<0.003	NA	NA	NA	NA	NA	NA	NA
Indicator Parameters (mg/L)										
Nitrate	3.3	NA	NA	0.1	NA	NA	NA	3.2	NA	NA
Nitrate-Nitrite	3.3	2.6	2.5	NA	2.5	5.7	3.6	NA	3.4	7.1
Sulfate	26	30	64	30	26	32.1	46.5	30.9	36.8	37.7
Total Organic Carbon	4	6	12	9	5	5	7	3	7	2

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Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	W-1A (Continued)	W-25							
Sample Date	4/29/2003	8/27/1998	12/22/1998	4/6/1999	7/22/1999	10/19/1999	3/28/2000	10/31/2000	4/24/2001
VOCs (µg/L)									
1,1,1-Trichloroethane	<1	<1.7	<5	<5	0.48 J	<2.5	<5	<1.7	<1
1,1-Dichloroethane	<1	<1.7	<5	<5	<2.5	<2.5	<5	<1.7	<1
1,2-Dichloroethane	<1	<1.7	<5	<5	0.40 J	<2.5	<5	<1.7	<1
2-Butanone	1.7 J	<17	<50	<50	<25	<25	<50	<8.4	<5
Acetone	12	<17	<50	140	<25	<25	<50	<17	<10
Bromodichloromethane	<1	<1.7	<5	<5	<2.5	<2.5	<5	<1.7	<1
Carbon tetrachloride	<1	<1.7	<5	<5	<2.5	<2.5	<5	<1.7	<1
Chlorobenzene	<1	<1.7	<5	<5	<2.5	<2.5	<5	<1.7	<1
Chloroform	1.3	0.36	<5	<5	0.68 J	0.56 J	1.1 J	0.38 J	1.7
Chloromethane	<2	<3.3	<10	<10	<5	<5	<10	<3.3	<2
cis-1,2-Dichloroethylene	<0.5	8.7	40	24	3.4	12	25	1.9	2.6
Ethylbenzene	NA	<1.7	0.62	<5	0.72 J	<2.5	0.82 J	0.89 J	<1
Methylene chloride	<1	1.4	<5	<5	0.96 J B	0.83 J B	<5	1.3 J B	<1
Tetrachloroethylene	<1	0.38	0.83	0.65	0.67 J	0.52 J	0.82 J	0.66 J	<1
Toluene	NA	<1.7	<5	<5	<2.5	<2.5	<5	<1.7	<1
trans-1,2-Dichloroethylene	<0.5	<0.83	<2.5	<2.5	<1.2	<1.2	<2.5	<0.84	<0.5
Trichloroethylene	<1	**46**	**150**	**83**	**66**	**56**	**84**	**41**	**18**
Trimethylbenzenes (Total)	18.1	NA	NA	NA	NA	NA	NA	22.3	NA
Vinyl chloride	<2	<3.3	<10	<10	<5	<5	<10	<3.3	<2
Xylenes (total)	<1	1.7	8.1	4.1	8.9	1.3 J	7.5	8.6	0.65 J
Metals (mg/L)									
Barium	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	NA
Barium (Dissolved)	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	NA
Chromium	NA	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA
Chromium (Dissovled)	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	NA
Iron (Dissolved)	1.9	0.34	0.37	<0.1	0.28	0.25	<0.1	<0.1	<0.1
Lead	NA	<0.003	<0.003	<0.003	<0.003	NA	NA	NA	NA
Indicator Parameters (mg/L)									
Nitrate	NA	NA	4.2	NA	NA	0.1	NA	NA	NA
Nitrate-Nitrite	2.3	7.4	4.2	4.1	3.7	NA	3.5	8.6	5.9
Sulfate	30.2	28.2	27	26	37	26	26	15.2	25.2
Total Organic Carbon	3	3	4	4	3	2	4	3	<1

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Table 4. Historical Groundwater Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	W-25 (Continued)				W-8	PAL	ES
Sample Date	10/29/2001	4/30/2002	10/16/2002	4/29/2003	3/28/2000		
VOCs (µg/L)							
1,1,1-Trichloroethane	<1.2	<1	<1	<1	<1	40	200
1,1-Dichloroethane	<1.2	<1	<1	<1	<1	85	850
1,2-Dichloroethane	<1.2	<1	<1	<1	<1	0.5	5
2-Butanone	<6.2	<5	<5	<5	<10	90	460
Acetone	<12	<10	<10	<10	<10	200	1,000
Bromodichloromethane	<1.2	<1	<1	<1	<1	0.06	0.6
Carbon tetrachloride	<1.2	<1	<1	<1	<1	0.5	5
Chlorobenzene	<1.2	<1	<1	<1	<1	NE	NE
Chloroform	0.65 J	<1	<1	<1	2.1	0.6	6
Chloromethane	<2.5	<2	<2	<2	<2	0.3	3
cis-1,2-Dichloroethylene	2.9	0.47 J	<0.5	0.87	<0.5	7	70
Ethylbenzene	0.47 J	<1	<1	NA	<1	140	700
Methylene chloride	<1.2	<1	<1	<1	<1	0.5	5
Tetrachloroethylene	0.67 J	0.97 J	0.72 J	0.57 J	<1	0.5	5
Toluene	<1.2	<1	<1	NA	<1	200	1,000
trans-1,2-Dichloroethylene	<0.62	<0.5	<0.5	<0.5	<0.5	20	100
Trichloroethylene	**32**	**11**	**12**	**16**	<1	0.5	5
Trimethylbenzenes (Total)	23.6	2	NA	15.5	NA	96	480
Vinyl chloride	<2.5	<2	<2	<2	<2	0.02	0.2
Xylenes (total)	3.9	0.33 J	<1	3.4	<1	1,000	10,000
Metals (mg/L)							
Barium	NA	NA	NA	NA	NA	0.4	2
Barium (Dissolved)	NA	NA	NA	NA	NA	0.4	2
Chromium	NA	NA	NA	NA	NA	10	100
Chromium (Dissovled)	NA	NA	NA	NA	NA	10	100
Iron (Dissolved)	<0.1	0.19	<0.1	<0.1	NA	NE	NE
Lead	NA	NA	NA	NA	NA	1.5	15
Indicator Parameters (mg/L)							
Nitrate	4.6	NA	NA	NA	NA	NE	NE
Nitrate-Nitrite	NA	8.7	12	7	NA	NE	NE
Sulfate	22.6	31.1	35.2	31.5	NA	NE	NE
Total Organic Carbon	2	2	2	3	NA	NE	NE

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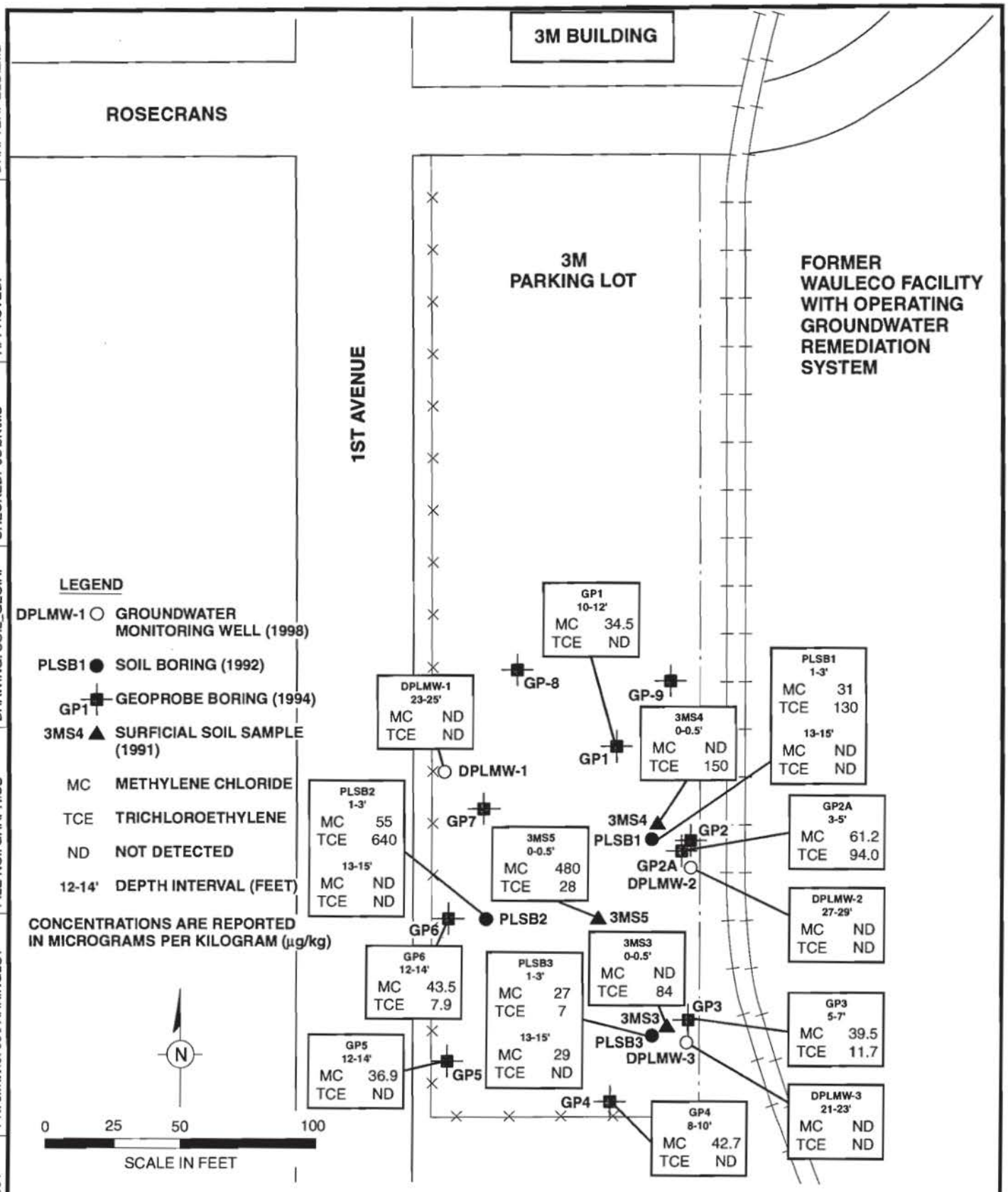

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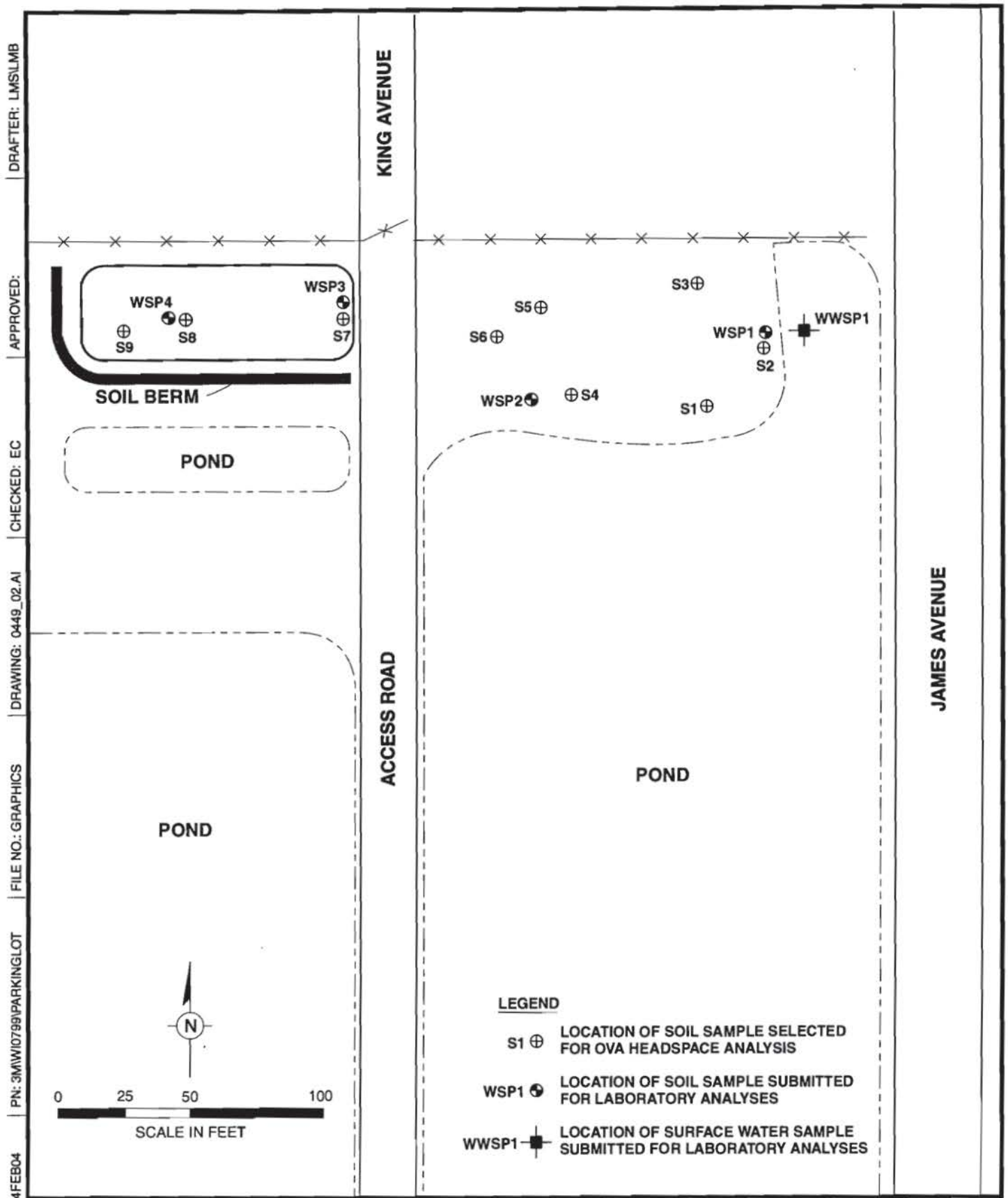
ARCADIS

GEOPROBE AND SOIL BORING ANALYTICAL RESULTS

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
11



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ARCADIS

SAMPLE LOCATIONS, OCTOBER 1991
WIMMER CONSTRUCTION SAND PIT

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
6

ARCADIS

Table 3. 1992, 1994, and 1998 Soil Analytical Results, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	Sample Depth (ft bls)	Collection Date	Methylene Chloride	Trichloroethylene
1992 Soil Boring Investigation				
PLSB-1	1-3	2/6/92	31	130
PLSB-1	13-15	2/6/92	<15	<5
PLSB-2	1-3	2/6/92	55	640
PLSB-2	13-15	2/6/92	<15	<5
PLSB-3	1-3	2/6/92	27	7
PLSB-3	13-15	2/6/92	29	<5
1994 Geoprobe Investigation				
GP-1	10-12	10/14/94	34.5	<0.9
GP-2A	3-5	10/14/94	61.2	94.0
GP-3	5-7	10/14/94	39.5	11.7
GP-4	8-10	10/14/94	42.7	<1.2
GP-5	12-14	10/14/94	36.9	<1.3
GP-6	12-14	10/14/94	43.5	7.9
1998 Installation of Groundwater Monitoring Wells				
DPLMW-1	23-25	8/24/98	<5.4	<5.4
DPLMW-2	27-29	8/24/98	<5.3	<5.3
DPLMW-3	21-23	8/25/98	<5.1	<5.1
Calculated SSRCL			1.6	3.7

< Constituent not present above the laboratory method detection limit, which is the value following the "<" sign.

[ ] Constituent concentration exceeds calculated Site Specific Residual Contaminant Level (SSRCL).

ft bls Feet below land surface.

Constituent concentrations are reported in micrograms per kilogram (µg/kg).

Table 2. Soil Analytical Results From 1991 Soil Removal Activities, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Sample I.D.	Stockpile Samples				Surface Samples				
	3MS1	3MS2	WSP3	WSP4	3MS3	3MS4	3MS5	WSP1	WSP2
Collection Date	10/18/1991	10/18/1991	10/18/1991	10/18/1991	10/18/1991	10/18/1991	10/18/1991	10/18/1991	10/18/1991
VOCs (µg/kg)									
Ethylbenzene	35	8	7	10	<5.0	<5.0	<11	<5.0	<6.0
Xylene	120	66	44	54	<11	<11	<11	<11	<11
1,2-Dichloroethylene	73	16	14	45	<5.0	<5.0	<11	<5.0	<6.0
Trichloroethylene	580	150	110	440	84	150	28	<5.0	<6.0
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	480	<5.0	<6.0
Metals (mg/kg)									
Cadmium	1.2	0.9	1.4	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	300	81	650	110	7.0	12	17	6	12
Lead	76	110	24	84	<5.0	41	32	10	8
Nickel	160	110	4110	200	5.0	17	22	4	9
Zinc	70	92	62	81	20	44	35	20	23

< Constituent not present above the laboratory method detection limit, which is the value following the "<" sign.

[ ] Constituent concentration exceeds the Wisconsin Department of Natural Resources Non-Industrial Residual Contaminant Level (RCL).

3M 3M soil sample.

µg/kg Micrograms per kilogram.

mg/kg Milligrams per kilogram.

NE Wisconsin Department of Natural Resources Residual Contaminant Level (RCL) not established for constituent.

VOCs Volatile organic compounds.

WS Wimmer soil sample.

Table 5. Historical Groundwater Elevations, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

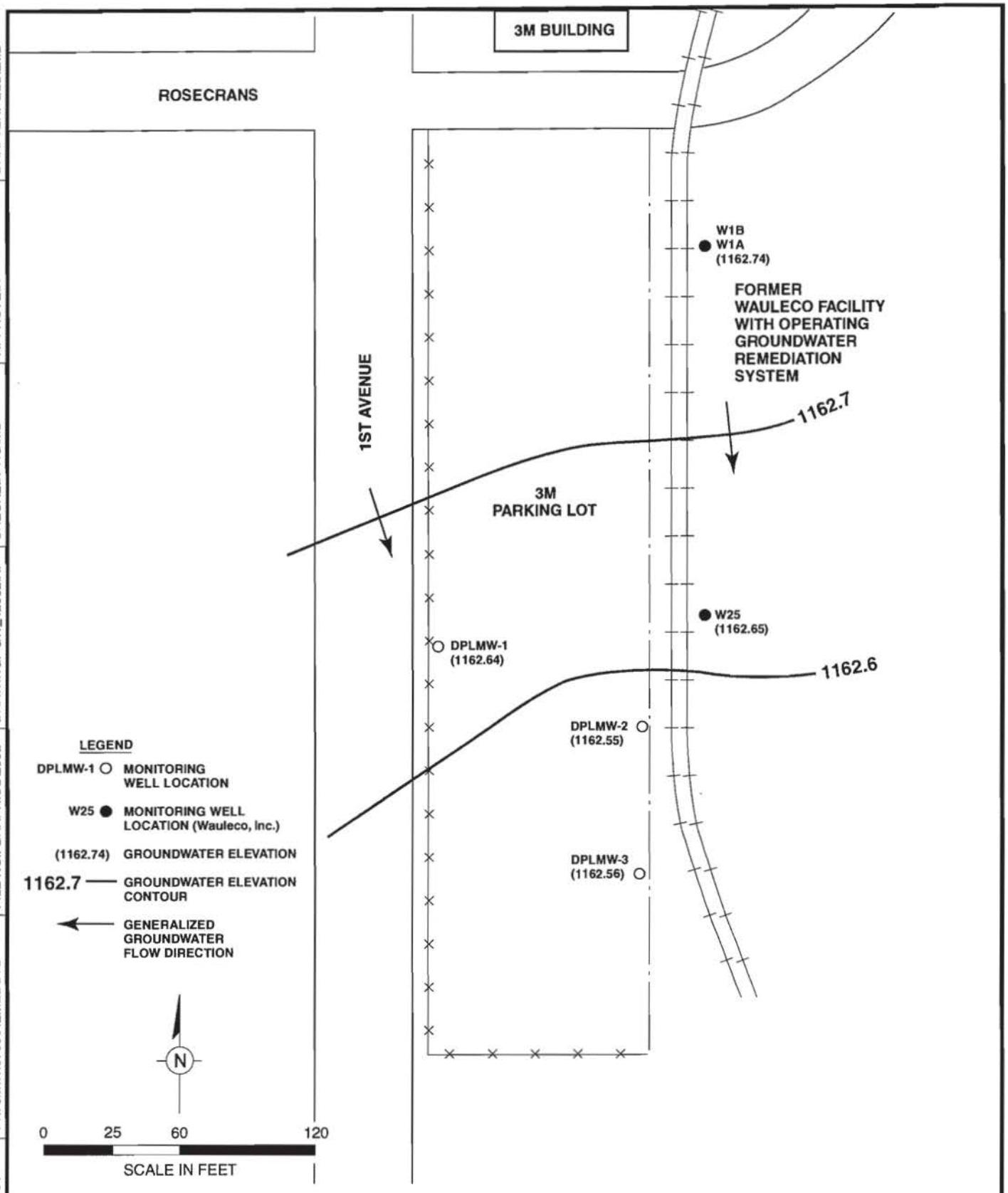
Well Name	Date Measured	TOC Elevation	Screen Elevation	Screen Length	Depth to Water	Groundwater Elevation
DPLMW-1	10/27/1998	1190.30	1164.30	10	27.99	1162.31
DPLMW-1	12/22/1998	1190.30	1164.30	10	28.20	1162.10
DPLMW-1	4/5/1999	1190.30	1164.30	10	28.50	1161.80
DPLMW-1	7/21/1999	1190.30	1164.30	10	27.25	1163.05
DPLMW-1	10/18/1999	1190.30	1164.30	10	27.80	1162.50
DPLMW-1	3/27/2000	1190.30	1164.30	10	28.71	1161.59
DPLMW-1	8/3/2000	1190.30	1164.30	10	27.52	1162.78
DPLMW-1	10/30/2000	1190.30	1164.30	10	27.53	1162.77
DPLMW-1	1/24/2001	1190.30	1164.30	10	28.55	1161.75
DPLMW-1	4/23/2001	1190.30	1164.30	10	28.19	1162.11
DPLMW-1	8/28/2001	1190.30	1164.30	10	28.02	1162.28
DPLMW-1	10/29/2001	1190.30	1164.30	10	27.85	1162.45
DPLMW-1	1/28/2002	1190.30	1164.30	10	NM	NM
DPLMW-1	4/29/2002	1190.30	1164.30	10	27.66	1162.64
DPLMW-1	7/11/2002	1190.30	1164.30	10	26.38	1163.92
DPLMW-1	10/15/2002	1190.30	1164.30	10	26.15	1164.15
DPLMW-1	1/7/2003	1190.30	1164.30	10	29.62	1160.68
DPLMW-1	4/28/2003	1190.30	1164.30	10	27.40	1162.90
DPLMW-1	7/1/2003	1190.30	1164.30	10	26.60	1163.70
DPLMW-2	10/27/1998	1192.10	1166.60	10	29.86	1162.24
DPLMW-2	12/22/1998	1192.10	1166.60	10	30.08	1162.02
DPLMW-2	4/5/1999	1192.10	1166.60	10	30.35	1161.75
DPLMW-2	7/21/1999	1192.10	1166.60	10	29.18	1162.92
DPLMW-2	10/18/1999	1192.10	1166.60	10	29.66	1162.44
DPLMW-2	3/27/2000	1192.10	1166.60	10	30.58	1161.52
DPLMW-2	8/3/2000	1192.10	1166.60	10	29.44	1162.66
DPLMW-2	10/30/2000	1192.10	1166.60	10	29.48	1162.62
DPLMW-2	1/24/2001	1192.10	1166.60	10	30.44	1161.66
DPLMW-2	4/23/2001	1192.10	1166.60	10	30.04	1162.06
DPLMW-2	8/28/2001	1192.10	1166.60	10	29.88	1162.22
DPLMW-2	10/29/2001	1192.10	1166.60	10	29.75	1162.35
DPLMW-2	1/28/2002	1192.10	1166.60	10	30.12	1161.98
DPLMW-2	4/29/2002	1192.10	1166.60	10	29.55	1162.55
DPLMW-2	7/11/2002	1192.10	1166.60	10	28.35	1163.75
DPLMW-2	10/15/2002	1192.10	1166.60	10	28.11	1163.99
DPLMW-2	1/7/2003	1192.10	1166.60	10	28.88	1163.22
DPLMW-2	4/28/2003	1192.10	1166.60	10	29.30	1162.80
DPLMW-2	7/1/2003	1192.10	1166.60	10	28.57	1163.53
DPLMW-3	10/27/1998	1191.81	1166.30	10	29.55	1162.26
DPLMW-3	12/22/1998	1191.81	1166.30	10	29.77	1162.04
DPLMW-3	4/5/1999	1191.81	1166.30	10	30.02	1161.79
DPLMW-3	7/21/1999	1191.81	1166.30	10	28.86	1162.95
DPLMW-3	10/18/1999	1191.81	1166.30	10	29.38	1162.43
DPLMW-3	3/27/2000	1191.81	1166.30	10	30.26	1161.55
DPLMW-3	8/3/2000	1191.81	1166.30	10	29.12	1162.69
DPLMW-3	10/30/2000	1191.81	1166.30	10	29.16	1162.65
DPLMW-3	1/24/2001	1191.81	1166.30	10	30.12	1161.69
DPLMW-3	4/23/2001	1191.81	1166.30	10	29.71	1162.10
DPLMW-3	8/28/2001	1191.81	1166.30	10	29.52	1162.29

Footnotes on Page 2.

Table 5. Historical Groundwater Elevations, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.

Well Name	Date Measured	TOC Elevation	Screen Elevation	Screen Length	Depth to Water	Groundwater Elevation
DPLMW-3	10/29/2001	1191.81	1166.30	10	29.48	1162.33
DPLMW-3	1/28/2002	1191.81	1166.30	10	29.81	1162.00
DPLMW-3	4/29/2002	1191.81	1166.30	10	29.25	1162.56
DPLMW-3	7/11/2002	1191.81	1166.30	10	28.06	1163.75
DPLMW-3	10/15/2002	1191.81	1166.30	10	27.84	1163.97
DPLMW-3	1/7/2003	1191.81	1166.30	10	28.62	1163.19
DPLMW-3	4/28/2003	1191.81	1166.30	10	29.00	1162.81
DPLMW-3	7/1/2003	1191.81	1166.30	10	28.30	1163.51
W-1A	12/22/1998	1194.03	--	--	31.83	1162.20
W-1A	4/5/1999	1194.03	--	--	32.12	1161.91
W-1A	7/21/1999	1194.03	--	--	30.95	1163.08
W-1A	10/18/1999	1194.03	--	--	31.42	1162.61
W-1A	3/27/2000	1194.03	--	--	32.52	1161.51
W-1A	8/3/2000	1194.03	--	--	31.20	1162.83
W-1A	10/30/2000	1194.03	--	--	31.23	1162.80
W-1A	1/24/2001	1194.03	--	--	32.15	1161.88
W-1A	4/23/2001	1194.03	--	--	31.80	1162.23
W-1A	8/28/2001	1194.03	--	--	31.08	1162.95
W-1A	10/29/2001	1194.03	--	--	31.52	1162.51
W-1A	1/28/2002	1194.03	--	--	32.31	1161.72
W-1A	4/29/2002	1194.03	--	--	31.29	1162.74
W-1A	7/11/2002	1194.03	--	--	30.11	1163.92
W-1A	10/15/2002	1194.03	--	--	29.87	1164.16
W-1A	1/7/2003	1194.03	--	--	30.63	1163.40
W-1A	4/28/2003	1194.03	--	--	31.05	1162.98
W-1A	7/1/2003	1194.03	--	--	33.10	1160.93
W-25	12/22/1998	1194.36	--	--	32.25	1162.11
W-25	4/5/1999	1194.36	--	--	32.45	1161.91
W-25	7/21/1999	1194.36	--	--	31.34	1163.02
W-25	10/18/1999	1194.36	--	--	31.84	1162.52
W-25	3/27/2000	1194.36	--	--	32.71	1161.65
W-25	8/3/2000	1194.36	--	--	31.62	1162.74
W-25	10/30/2000	1194.36	--	--	31.65	1162.71
W-25	1/24/2001	1194.36	--	--	32.95	1161.41
W-25	4/23/2001	1194.36	--	--	32.16	1162.20
W-25	8/28/2001	1194.36	--	--	31.58	1162.78
W-25	10/29/2001	1194.36	--	--	31.96	1162.40
W-25	1/28/2002	1194.36	--	--	31.88	1162.48
W-25	4/29/2002	1194.36	--	--	31.71	1162.65
W-25	7/11/2002	1194.36	--	--	30.56	1163.80
W-25	10/15/2002	1194.36	--	--	30.31	1164.05
W-25	1/7/2003	1194.36	--	--	31.12	1163.24
W-25	4/28/2003	1194.36	--	--	31.49	1162.87
W-25	7/1/2003	1194.36	--	--	30.79	1163.57

Depth to water, and screen length data are presented in feet.
Elevation data presented in feet relative to mean sea level (msl).
-- Data not available.
NM Not measured.
TOC Top of casing.



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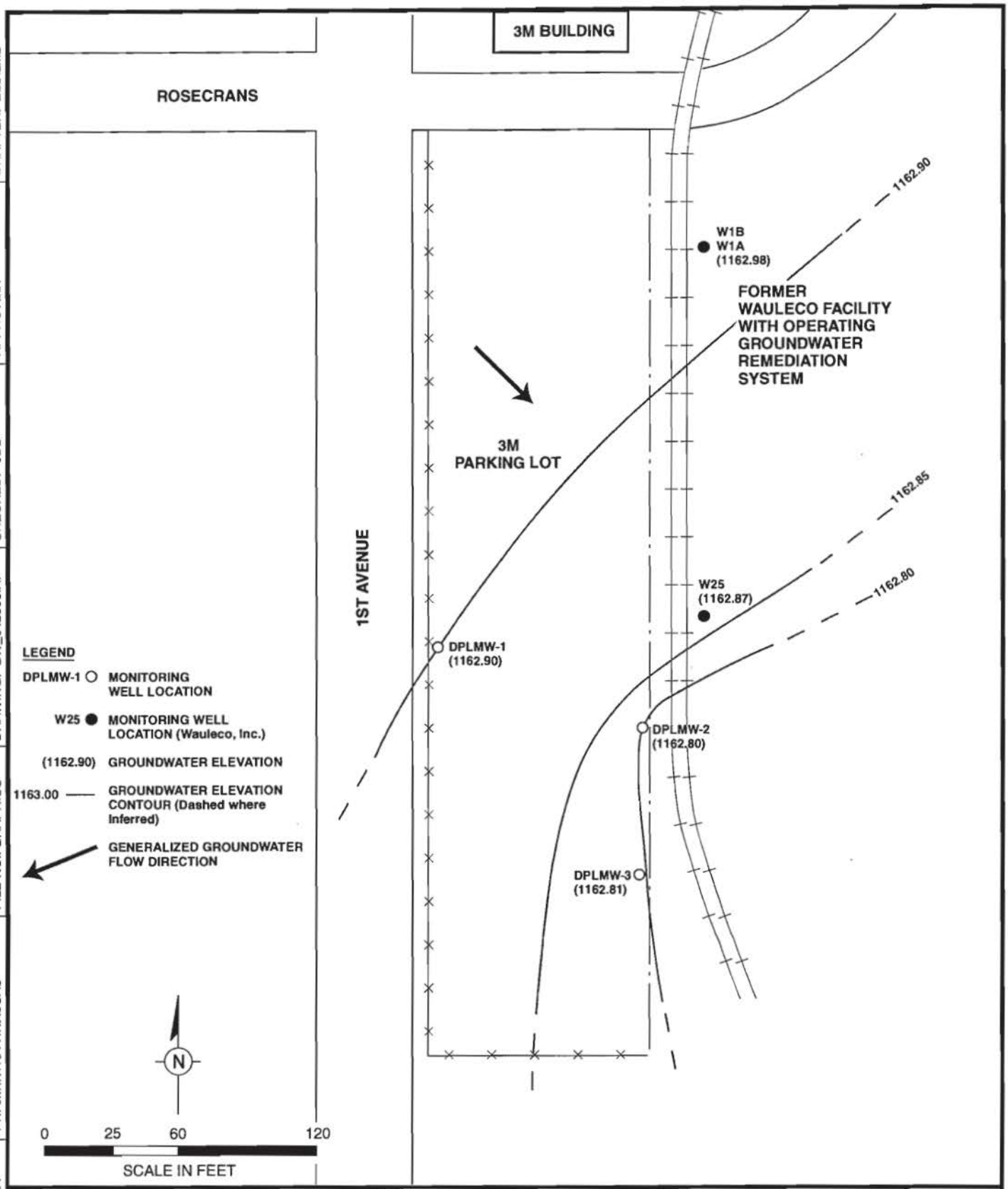
ARCADIS

GROUNDWATER ELEVATION MAP APRIL 29, 2002

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE

16



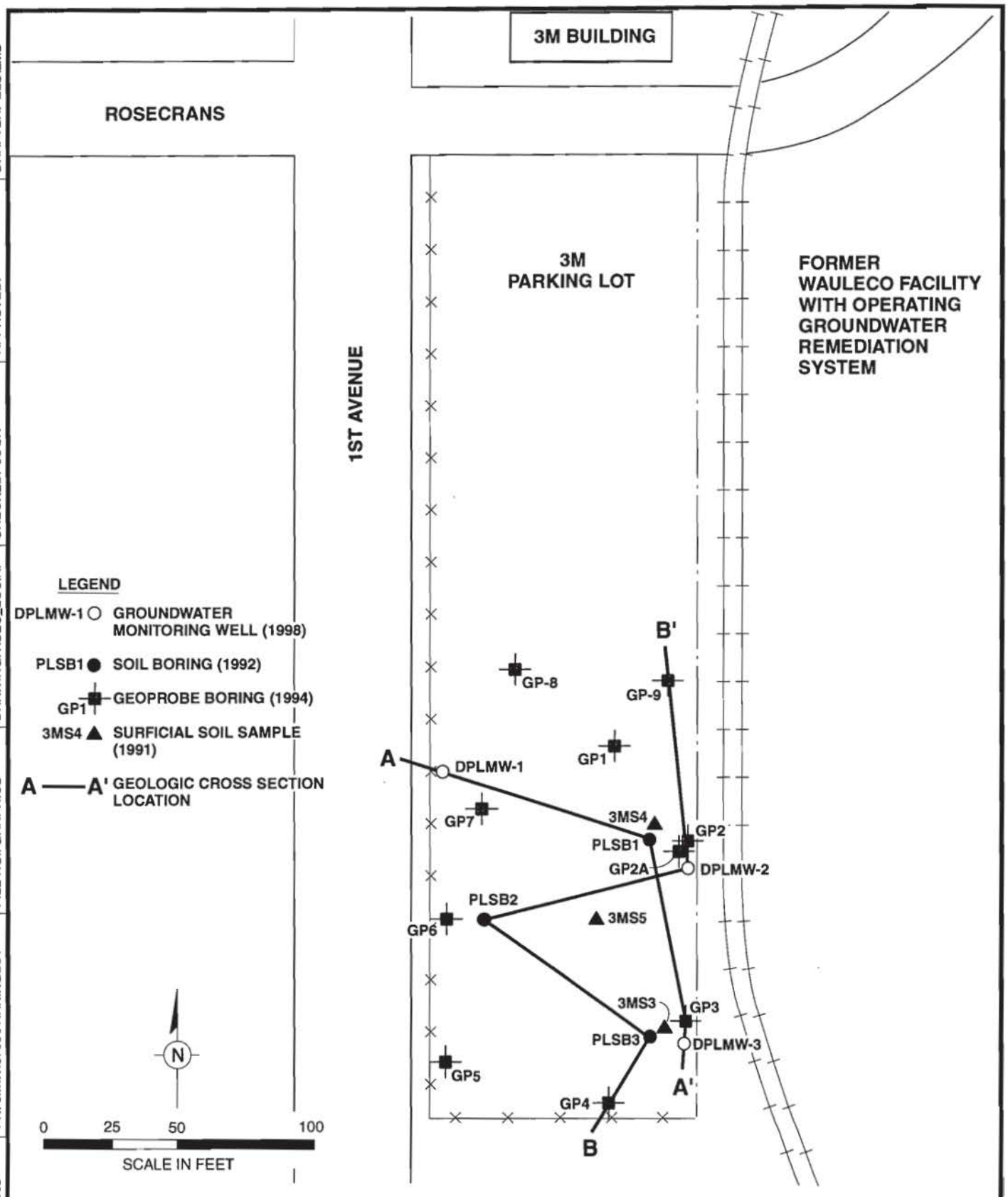
DRAFTER: ELS\LMB
APPROVED:
CHECKED: JDD
DRAWING: GW_042803.AI
FILE NO.: GRAPHICS
PN: 3MWI\1044\WAUSAU
DWG DATE: 05FEB04

ARCADIS

GROUNDWATER ELEVATION MAP
APRIL 28, 2003

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
17



DRAFTER: ELSLMB | APPROVED: | CHECKED: JCVJK | DRAWING: XSEC_LOC.AI | FILE NO.: GRAPHICS | PN: 3MWI0799\PARKINGLOT | DWG DATE: 05FEB05

ARCADIS

LOCATION OF GEOLOGIC CROSS SECTIONS

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE

8

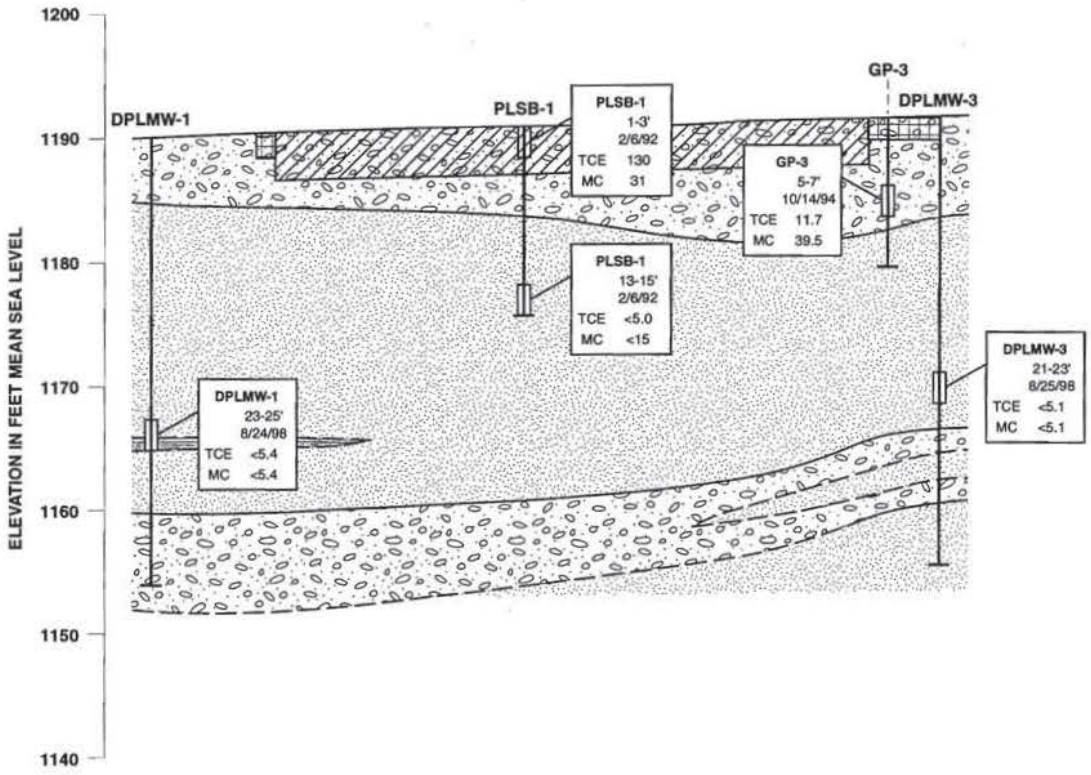
DRAFTER: ELSILMB | APPROVED: | CHECKED: JK | DRAWING: XSEC_AA.AI | FILE NO.: GRAPHICS | PN: 3MWI0799\PARKINGLOT | DWG DATE: 05FEB04

NORTHWEST

A

SOUTHEAST

A'



0 12.5 25 50

HORIZONTAL SCALE IN FEET
VERTICAL EXAGGERATION = 2.5X

LEGEND

DPLMW-2 / PLSB-2 / GP-4 — MONITORING WELL / SOIL BORING / GEOPROBE BORING

— — GEOLOGIC CONTACT (Inferred)

FINE TO COARSE SAND AND GRAVEL

FINE TO COARSE SAND, TRACE TO SOME GRAVEL

SILT TO SILTY FINE TO COARSE SAND, SOME GRAVEL

SURFICIAL SOIL EXCAVATION AREA (6-12 Inches in Depth)

SOIL EXCAVATION AREA (3 Feet in Depth)

DPLMW-1 23-25' 8/24/98 TCE <5.4 MC <5.4 — SAMPLE DEPTH INTERVAL (Feet)

TCE TRICHLOROETHYLENE

MC METHYLENE CHLORIDE

< CONSTITUENT NOT PRESENT ABOVE THE LABORATORY METHOD DETECTION LIMIT, WHICH IS THE VALUE FOLLOWING THE "<" SIGN

NOTE: Constituent concentrations are reported in micrograms per kilogram (µg/kg).

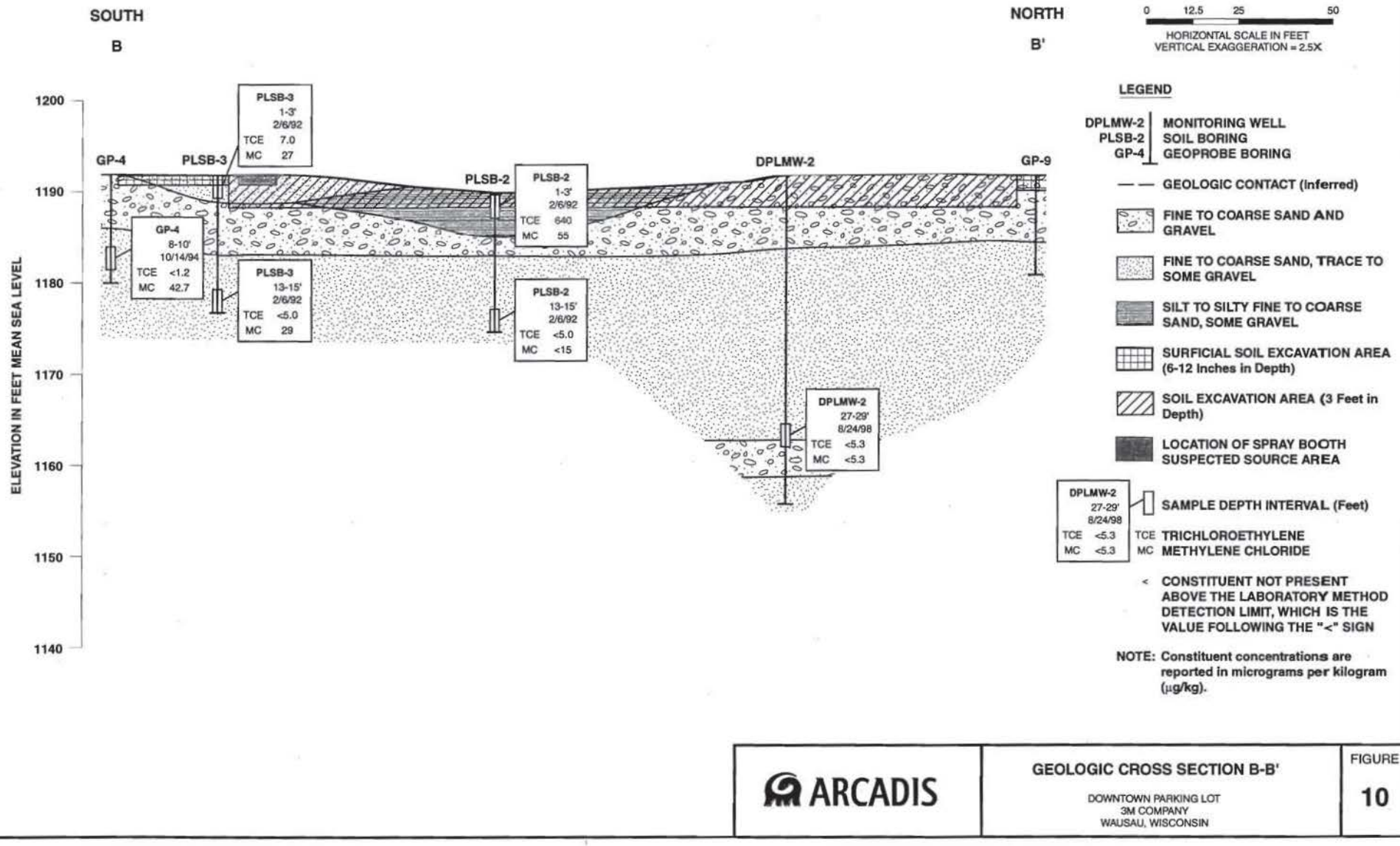
ARCADIS

GEOLOGIC CROSS SECTION A-A'

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE

9



ARCADIS

GEOLOGIC CROSS SECTION B-B'

DOWNTOWN PARKING LOT
3M COMPANY
WAUSAU, WISCONSIN

FIGURE
10

DRAFTER: ELSILMB | APPROVED: | CHECKED: JK | DRAWING: XSEC_BB.AI | FILE NO.: GRAPHICS | PN: 3MW00799/PARKINGLOT | DWG DATE: 05FEB04

December 16, 2004

Lisa A. Gutknecht
LUST Program Hydrogeologist
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Subject:
Deed Certification for Geographic Information System (GIS) Registry, 3M Downtown Wausau Facility Parking Lot, Wausau, Wisconsin.
BRRTS No. 03-37-000170
WDNR FID No. 737009460

Dear Ms. Gutknecht:

I, Katie Winogrodzki, Responsible Party (RP) for the 3M Company do hereby certify that to the best of my knowledge, the legal descriptions included for Parcel Identification Numbers: 29129073540138, 29129073540974, 29129073540143, 29129073540144, 29129073540972 are complete and accurate for the purpose of registering this site onto the Wisconsin GIS Registry of Closed Remediation Sites.

Sincerely,

Signed: Katie Winogrodzki

Title: Advanced Environmental Engineer

Date: December 16, 2004

c:\docume~1\us346133\locals~1\temp\notes0aa1a9\deed-certification.doc
12/16/2004 12:22 PM

3M Environmental, Health and
Safety Operations

PO Box 33331
St. Paul, MN 55133-3331
651 778 6442

3M

October 22, 2004

Certified Mail

Mr. Robert Brandt
Wauleco Inc.
1800 North Point Avenue
Stevens Point, WI 54481

September 14, 2004
Subject:
Notification of Residual Trichloroethylene to the East of the 3M Downtown Facility Parking Lot located at 144 Rosecrans Street, Wausau, Wisconsin.
BRRTS No. 03-37-000170
WDNR FID No. 73709460

Dear Mr. Brandt:

Groundwater contamination that appears to have originated on the 3M Downtown Facility Parking Lot property located at 144 Rosecrans Street, Wausau, Wisconsin may have migrated onto the property located at 910 Cleveland Avenue, Wausau, Wisconsin. Trichloroethylene (TCE) contamination in the groundwater monitoring well (W-25) located on the western edge of your property (immediately adjacent to the 3M Parking Lot property) is above the state groundwater enforcement standards found in Chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in Chapter NR 726, Wisconsin Administrative Code, and 3M Company will be requesting that the Wisconsin Department of Natural Resources (WDNR) accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the WDNR will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the TCE within your Monitoring Well W-25 does not appear to originate from your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of groundwater impacted by TCE contamination related to the 3M Parking Lot, as long as you and any subsequent owners comply with the requirements of Section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of Section 292.13,

OFF-SOURCE
A
PROPERTY

Wisconsin Statutes, you may call 1-800-367-6076 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the WDNR's publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination.

The WDNR will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to Ms. Lisa Gutknecht, WDNR, 5301 Rib Mountain Drive, Wausau, WI 54401.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds Chapter NR 140 groundwater enforcement standards will be listed on the WDNR geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above Chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the WDNR internet web site. It is understood that your facility is currently an Environmental Repair Project with the WDNR and will be included on the GIS Registry as part of your own case closure.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from potential residual TCE groundwater contamination from the 3M Parking Lot property. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the WDNR if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards. However, as your property has groundwater contamination associated with releases on the property, it is understood that these provisions will be implemented as part of your own case closure.

Once the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from ARCADIS, by writing to the agency address given above, or by accessing the WDNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter will be included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at 651-778-5393 or you may contact Jennine Cota of ARCADIS at 414-276-7742.

Sincerely,

Katie Winogrodzki
Environmental Engineer
Copies:
Jennine Cota - ARCADIS
Lisa Gutknecht - WDNR

RIGHT-OF-WAY

ARCADIS

Infrastructure, buildings, environment, communications

ARCADIS G&M, Inc.
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414 276 7742
Fax 414 276 7603
www.arcadis-us.com

Canadian National Railway Company
Mark Brotz
10559 79th Street
Pleasant Prairie, WI 53158

Subject:
Notification of Residual Chlorinated Compounds within Right-of-Way of Railroad Traversing Through the 3M Company Property at 144 Rosecrans Street, Wausau, Wisconsin.
BRRTS No. 03-37-000170
WDNR FID No. 737009460

ENVIRONMENT

Date:
21 December 2004

Contact:
Jennine Cota Trask

Phone:
414 276 7742

Email:
jcota@arcadis-us.com

Our ref:
WI001044.0001

To Whom it May Concern:

3M Company has completed the remediation of soil and groundwater impacts associated with the former Wausau Motor facility. Wausau Motor was located on the present day 3M Downtown Wausau Facility parking lot at 144 Rosecrans Street. The remediation activities satisfy the requirements of NR 726, Wis. Admin. Code. Analytical results from Monitoring Wells DPLMW-2, DPLMW-3, W-1A, and W-25, located on either side of the railroad (Figure 1), suggest that groundwater containing chlorinated compounds may extend into the adjacent right-of-way of the Canadian National Railway. These residual chlorinated compounds will be addressed through natural attenuation.

The purpose of this letter is to provide the Canadian National Railway Company with written notification of the potential impacts of chlorinated compounds on the groundwater beneath the right-of-way of the railroad, Wausau, Wisconsin. This written notification is being provided to satisfy NR 726.05(2)(a)4, Wis. Admin. Code.

Sincerely,

ARCADIS G&M, Inc.

Jennine Cota Trask, PE
Project Engineer

Copies:
Kate Winogrodzski – 3M Company, St. Paul
Tom Wood – 3M Company, Wausau

Part of a bigger picture